

*University of Waterloo*

*SENATE*

*Notice of Meeting*

Date: Monday, September 15, 2003

Time: 4:30 p.m.

Place: Needles Hall, Room 3004

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<i>AGENDA</i>	<i>PAGE</i>	<i>ACTION</i>
1. Presentation		
a. Teaching/TRACE/Mentoring	2	Information
2. Approval of the June 16, 2003 Minutes [attached]		Decision
3. Business Arising from the Minutes		
4. Report of the Chair		
a. Tenure and Promotion of Faculty Members	2, A1	Information
b. Honorary Degrees at Fall Convocation [to be available at Senate]	2, Oral	Information
c. Recognition and Commendation	2, A2	Information
d. Environmental Scan	2, Oral	Information
5. Report of the Vice-President, Academic & Provost		
a. The Michener Institute Update	2, Oral	Information
b. 2003 Enrolment Status	2, Oral	Information
6. Reports from Senate Committees and Councils		
a. Graduate & Research Council	2, A3	Information
b. Undergraduate Council	2, A4-A11	Decision/Information
c. Scholarships & Student Aid Committee	2, A12-A21	Information
7. Reports from the Faculties, Renison College and St. Jerome's University	2, A22-A50	Information
8. Other Business		
a. Appointment - Graduate & Research Council	2	Decision
9. Confidential Session		
a. Report from the Honorary Degrees Committee	3,CS1-CS2	Decision
b. Report from the Dean of Arts Nominating Committee	3, Oral	Decision

LC/rah  
September 3, 2003

Lois Claxton  
Secretary of the University

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Business Arising Future Agenda Items:  
ELPE Program [June 16, 2003]  
Diplomas and Certificate Programs [May 20, 2003]  
Centre for Business, Entrepreneurship & Technology [May 20, 2003]  
Annual Report of the University Librarian [March 2003]

The Executive Committee met on September 2, 2003 and wishes to report as follows:

**1. PRESENTATION**

- a. Teaching/TRACE/Mentoring.* Tom Carey, Associate Vice-President, Resources & Innovation, will present this item.

**4. REPORT OF THE CHAIR**

- a. Tenure and Promotion of Faculty Members.* The Committee agreed to forward this report to Senate for information.

The remaining part of the report will consist of the customary "Recognition and Commendation" list and a brief "Environmental Scan"; the news release concerning honorary degrees at Fall Convocation will be available when Senate meets.

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

The Vice-President will provide an update on The Michener Institute and will report on the status of Fall 2003 enrolment.

**6. REPORTS FROM SENATE COMMITTEES AND COUNCILS**

The Committee agreed to forward the reports from Graduate & Research Council, Undergraduate Council, and the Scholarships and Student Aid Committee to Senate for information and approval as appropriate.

**7. REPORTS FROM THE FACULTIES, RENISON COLLEGE AND ST. JEROME'S UNIVERSITY**

The Committee agreed to forward these reports to Senate for information.

**8. OTHER BUSINESS**

- a. Appointments.* The following appointment is brought to Senate for approval:

*Graduate & Research Council.* **Benjamin Korvemaker**, graduate student representative, Faculty of Mathematics, School of Computer Science, term to April 30, 2005.

# University of Waterloo

## Report of the President to Senate

September 15, 2003

### Tenure and Promotion of Faculty Members

The 2002/03 tenure and promotion cycle carried out under Policy 77 has resulted in the following individuals being awarded tenure or promoted, effective July 1, 2003. This is being reported to Senate for information, as Policy 77 requires.

#### Awarded Tenure

Ric **Culham**, Associate Professor,  
Mechanical Engineering  
Lyndon **Jones**, Associate Professor,  
Optometry  
Trefford **Simpson**, Associate Professor,  
Optometry  
Siva **Sivoththaman**, Associate Professor,  
Electrical and Computer Engineering  
Sundar **Sundarraaj**, Associate Professor,  
Management Sciences

#### Awarded Tenure with the rank of Associate Professor

Thérèse **Biedl**, Computer Science  
Catherine **Burns**, Systems Design Engineering  
Pu **Chen**, Chemical Engineering  
David **Clausi**, Systems Design Engineering  
Joan **Coutu**, Fine Arts  
Serge **D'Alessio**, Office of the Dean of  
Mathematics  
Alan **Douglas**, Accountancy  
James **Forrest**, Physics  
Liping **Fu**, Civil Engineering  
Eric **Jervis**, Chemical Engineering  
Mehrdad **Kazerani**, Electrical and Computer  
Engineering  
Mark **Knight**, Civil Engineering  
Kate **Lawson**, English Language and Literature  
Rob **Macdonald**, Mechanical Engineering  
Paul **McDonald**, Health Studies and  
Gerontology  
Jonathan **Oakman**, Psychology  
Brian **Orend**, Philosophy  
Steve **Prentice**, Kinesiology  
Michelle **Senchyna**, Optometry  
David **Toman**, Computer Science  
Norman **Zhou**, Mechanical Engineering

#### Promoted to Professor

Hector **Budman**, Chemical Engineering  
Trudi **Bunting**, Geography  
Claudio **Canizares**, Electrical and Computer  
Engineering  
Heather **Carnahan**, Kinesiology  
Joseph **Cheriyen**, Combinatorics and  
Optimization  
Richard **Cook**, Statistics and Actuarial Science  
Roydon **Fraser**, Mechanical Engineering  
Beth **Jewkes**, Management Sciences  
Fakhri **Karray**, Systems Design Engineering  
Laurent **Marcoux**, Pure Mathematics  
John **McPhee**, Systems Design Engineering  
John **Medley**, Mechanical Engineering  
Alfred **Menezes**, Combinatorics and  
Optimization  
Kirsten **Morris**, Applied Mathematics  
Ajoy **Opal**, Electrical and Computer  
Engineering  
Hartwig **Peemoeller**, Physics  
Sherman **Shen**, Electrical and Computer  
Engineering  
João **Soares**, Chemical Engineering  
Roger **Suffling**, Planning

*University of Waterloo*  
**RECOGNITION AND COMMENDATION**  
*Report to Senate -- September 15, 2003*

**Faculty:**

**Edward Sudicky**, of the Department of Earth Sciences, was recently named a member of the Canadian Academy of Engineering. Elected by peers on the basis of achievements, contributions to society, to the country and to the profession, Professor Sudicky has gained national and international eminence for his unique and fundamental contributions to the understanding of the fate and transport of contaminants in groundwater systems.

The Canadian Academy of the Sciences and Humanities of the Royal Society of Canada recently named 60 new Fellows including two professors from the University of Waterloo. **Ian Munro**, School of Computer Science, and **Adel Sedra**, newly appointed Dean of Engineering, are among those to receive the nation's top honour for academics. Fellowship in the Royal Society is considered Canada's most prestigious academic accolade to which scholars and scientists aspire.

**Staff:**

**Dennis Huber**, Vice-President, Administration & Finance, and Chair of the Council of Senior Administrative Officers (CSAO). In the spring of 1999, a consortium of all Ontario universities undertook a comprehensive facilities audit of deferred maintenance and capital renewal issues. This provided accurate data to be used at the individual institutional level and on a system-wide basis. A steering committee comprised of members from the CSAO and the Ontario Association of Physical Plant Administration (OAPPA) issued a RFP to select a common facility database and common audit methodology. Through the implementation of specialized software, each university now has access to a comprehensive condition assessment (methodology) and a structured systematic approach to building inspection, "best practice" business processes, and a web-based data management tool. The first phase (20%) of the comprehensive audit was completed by January 2001. While earlier studies had estimated the system-wide deferred maintenance of facilities to be in the range of \$700 million, the 2001 Facility Condition Audit revealed it to be \$1.8 billion. This information had a dramatic and immediate impact. In the spring of 2001, the provincial government awarded Ontario universities \$93 million for deferred maintenance, an increase in funding of \$52 million from 1999/2000. The efforts of the CSAO/OAPPA consortium were recently recognized by the Canadian Association of University Business Officers (CAUBO) with the awarding of third prize in the 2003 Quality and Productivity Awards program.

University of Waterloo chefs have won the prestigious and coveted People's Choice Award at the fourth annual Culinary Challenge during the 2003 Canadian College and University Food Service Association conference. Winning team members were **Marc Villeneuve** (team captain), resident chef at Mudie's in Village One, **Daniel LeMay**, banquet chef for UW Catering in South Campus Hall, and **Roland Lynn**, cook at Brubakers in the Student Life Centre.

**Students:**

UW's student-built solar car **Midnight Sun VII** placed third in the 11-day American Solar Challenge. The race was won by the University of Missouri at Rolla; second place went to the University of Minnesota. The prestigious race -- the longest of its kind in the world with college and university teams facing varied climates, topography and road conditions -- had a total of 20 teams racing from Chicago, Illinois to Claremont, California, a total of 3,700 km. Midnight Sun was the top placing Canadian entry in the event, repeating its ranking of two years ago. Members of the Midnight Sun Solar Race Team included student volunteers from across campus; the team has competed in every major North American solar vehicle race since 1990 and is the largest student-run project at UW.

A team of graduate and post-graduate students from the University of Waterloo was awarded the highest honours for its innovative work on sheet and tube forming at the AUT021Network of Centre of Excellence Highly Qualified Personnel automotive conference held recently in Oakville. The team competed against 44 other teams from 32 Canadian universities. AUT021 focuses on research and development in the automotive sector. UW mechanical engineering professor **Michael Worswick** led the student team.

**University of Waterloo**  
**SENATE GRADUATE & RESEARCH COUNCIL (SGRC)**  
**Report to Senate**  
**September 15, 2003**

Senate Graduate & Research Council forwards one item to Senate, for information.

**AWARDS FOR EXCELLENCE IN RESEARCH: RECIPIENT, 2003**

This Award is adjudicated by the Research Excellence Awards Review Committee (nine members approved by SGRC; chaired by the Vice President, University Research). The Committee met in July to consider the nominations for the year 2003. Following deliberations, one nominated faculty member was selected to receive the Award.<sup>1</sup>

***Paul Thagard***  
***Department of Philosophy***

Biographical outline. Paul Thagard was appointed a UW Professor of Philosophy in 1992, with cross appointments to Psychology and Computer Science. Since 1995, he has been Director of the Cognitive Science program. Prior to coming to UW, Paul Thagard's appointments included: Adjunct Professor of Decision Science, University of Pennsylvania (1990-91); Senior Research Cognitive Scientist, Princeton University (1989-92); Research Psychologist, Princeton University (1986-89). He is an outstanding researcher who has been a pioneer in demonstrating an emotional role in explanation, and is known worldwide for his work on best explanation. He has made a uniquely important contribution to the literature of the interdisciplinary field of cognitive science, and, above all, to the philosophy of science. His books are published with the very best international presses and are being translated into many languages. A quote from a referee states, "The very impossibility of categorizing Paul's work in traditional terms reflects its importance and its innovation. His research has shown that the deep problems of interest concerning science do not belong to philosophy any more than they belong to psychology or artificial intelligence. By exemplifying such broad interdisciplinary expertise combined with deep scholarship, Paul's work is unquestionably among those having foremost importance today and, above all, provides a model and a standard for research into the future." He has been awarded major grants from both SSHRC and NSERC, held a Killam Research Fellowship (1997-99), and was elected to the Royal Society of Canada (1999).

Recognition. Award winners receive special recognition at fall Convocation, and make brief public presentations about their research as keynote speakers during the annual Graduate Student Research Conference. Publicity for the Award will be carried out by UW's Information & Public Affairs, Media Relations.

July 25/03

Paul D. Guild  
Vice-President, University Research  
and co-Chair, SGRC

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<sup>1</sup> Note: *Criteria & Procedures for the Award* state that "The Award provides a \$1500 grant for research to four recipients annually: two from Applied Health Sciences, Arts, Environmental Studies and the Federated & Affiliated Colleges; and two from Engineering, Mathematics and Science." And that "The Committee may decide not to make the full number (four) of Awards in any year, depending on the quality and/or number of nominations received."

**UNIVERSITY OF WATERLOO**  
**SENATE UNDERGRADUATE COUNCIL**

**Report to Senate – September 15, 2003**

Senate Undergraduate Council met on June 10, 2003 and forwards the following items to Senate for approval and information, as indicated [*further details may be obtained from the Secretary, ext. 5924*].

**FOR APPROVAL**

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**1. NEW PLANS**

**Faculty of Arts**

***Speech Communication/Recreation & Leisure Studies; Recreation & Leisure Studies/Speech Communication*** [*effective 01-September-2003*]

***Speech Communication/Environment & Resource Studies; Environment & Resources Studies/Speech Communication*** [*effective 01-September -2003*]

These stand-alone plans are being combined in response to student interest; requirements are as listed in the Calendar for all Joint Honours modules in/with the Faculty of Arts.

***Bachelor of Accounting & Financial Management, Regular*** [*effective 01-September-2004*]

It is proposed that the BAFM be offered *via* the regular stream as a “fall back” position for those students who, for reasons outside their control, are unable to complete the co-op component of their degree. The academic requirements are identical to those required in the co-op version. This program is not open to direct admission.

***Bachelor of Arts – Honours Psychology, Human Resources Specialization*** [*effective 01-September-2003*]

***Bachelor of Science – Honours Psychology, Human Resources Specialization*** [*effective 01-September-2003*]

Establishment of these two plans is in response to expressions of interest from many students in Honours Psychology. An effective date of September 2003 is to provide current fourth-year students with the opportunity to graduate with this specialization. The requirements are as follows:

Six courses (3.0 units) with an overall average of 65%

Required courses (four)

HRM 200\*  
PSYCH 338\*  
PSYCH 339\*  
PSYCH 492

At least two of

AFM 123\*  
HRM 301  
PSYCH 340  
PSYCH 399  
PSYCH 462

Students in this specialization are precluded from taking Management Studies plans.

Courses marked with an asterisk(\*) have been approved as meeting part of the course requirements to become a Certified Human Resource Professional. It is anticipated that other courses may also be approved; please see the Director for more information.

## Faculty of Science

### *Atmospheric and Planetary Science (Co-op and Regular) [effective 01-September-2004]*

This new Plan replaces the Environmental Science Global Change Specialization and the Environmental Chemistry and UW Humber College Environmental Sciences plans.

#### HONOURS ATMOSPHERIC AND PLANETARY SCIENCE

Continuance in this academic plan requires a cumulative average of 60% in both Science and non-Science courses. In order to graduate, the following requirements must be met:

- Successful completion of 20 lecture units plus any co-requisite lab units plus the Senior Thesis Research project. At least 12 units must be Faculty of Science units. At least 8 of the 12 must be at or above the 200-level. At least 4 of the 8 other than any "SCI"-labelled units must be at the 300 or 400 level.
- No more than 1 failed unit is allowed.
- No more than 1 "SCI"-labelled unit may be applied to the degree.

#### *Year One (Fall)*

CHEM 120/120L	Physical and Chemical Properties of Matter/Laboratory
EARTH 121/121L	The Planet We Live On/Laboratory
EARTH 123/123L	Introductory Hydrology
MATH 127	Calculus 1
PHYS 121/121L	Mechanics and Wave Motion 1/Laboratory

#### *Year One (Winter)*

CHEM 123/123L	Chemical Reactions, Equilibria and Kinetics/Laboratory
MATH 128	Calculus 2
PHYS 122/122L	Mechanics and Wave Motion 2/Laboratory
EARTH 122/122L	The Planet We Live Off/Laboratory
PHYS 139	Scientific Computer Programming

#### *Year Two (Fall)*

AMATH 250 or MATH 228	Introduction to Ordinary Differential Equations Differential Equations for Physics and Chemistry
EARTH 231	Mineralogy
CHEM 28/28L	Introductory Organic Chemistry: Environmental/Laboratory
CHEM 220/220L	Analytical Chemistry 1/Laboratory
CHEM 256	Introductory Quantum Mechanics

#### *Year Two (Winter)*

CHEM 254	Introductory Chemical Thermodynamics
EARTH 232	Petrology
CHEM 129	Spectroscopy
CHEM 224L	Analytical Chemistry Laboratory 2
One elective (0.5 unit)	

#### *Years Three and Four*

CHEM 221	Analytical Chemistry 2 [W]
CHEM 3XX	Climate Studies [F]
CHEM 305	Atmospheric Chemistry and Physics [W]
CHEM 305L	Atmospheric Modelling Laboratory [W]
CHEM 350	Chemical Kinetics [F]
CHEM 404	Physiochemical Aspects of Natural Water [F]
EARTH 359	Flow Through Porous Media [F]
EARTH 360	Earth Physics and Plate Tectonics [W]
EARTH 456	Groundwater Modelling [F]

EARTH 458 Physical Hydrogeology [F]  
CHEM 494A/B Research Project [F,W]  
or  
EARTH 436 A/B Honours Thesis [F,W]

11 electives (5.5 units).

Electives must be chosen in consultation with the Academic Plan Advisor. See the list of recommended electives [*page 4 of this report*].

#### **HONOURS CO-OPERATIVE ATMOSPHERIC AND PLANETARY SCIENCES**

##### *Year 1A (Fall)*

CHEM 120/120L Physical and Chemical Properties of Matter/Laboratory  
EARTH 121/121L The Planet We Live On/Laboratory  
MATH 127 Calculus 1  
PHYS 121/121L Mechanics, Wave Motion & Heat 1/Laboratory  
EARTH 123/123L Introductory Hydrology/Laboratory

##### *Year 1B (Winter)*

CHEM 123/123L Chemical Reactions, Equilibria and Kinetics/Laboratory  
EARTH 122/122L The Planet We Live Off/ Introductory Earth Sciences Laboratory 2  
MATH 128 Calculus 2  
PHYS 122/122L Mechanics, Wave Motion and Heat 2/Laboratory  
PHYS 139 Scientific Computer Programming

##### *Year 2A (Fall)*

AMATH 250 Modelling with Ordinary Differential Equations  
or MATH 228 Differential Equations for Physics and Chemistry  
EARTH 231 Mineralogy  
CHEM 28/28L Introductory Organic Chemistry Environmental/Laboratory  
CHEM 220/220L Analytical Chemistry 1/Laboratory  
CHEM 256 Introductory Quantum Mechanics

##### *Year 2B (Spring)*

CHEM 254 Introductory Chemical Thermodynamics  
EARTH 232 Petrology  
CHEM 224L Analytical Chemistry Laboratory 2  
Two electives (1.0 unit)

##### *Year 3A (Winter)*

CHEM 129 Spectroscopy  
CHEM 221 Analytical Chemistry 2  
EARTH 360 Earth Physics and Plate Tectonics  
Two electives (1.0 unit)

##### *Year 3B (Fall)*

CHEM 350 Chemical Kinetics  
CHEM 404 Physicochemical Aspects of Natural Water  
EARTH 458 Physical Hydrogeology  
EARTH 359 Flow Through Porous Media  
One elective (0.5 unit)

##### *Year 4A (Fall)*

CHEM 3XX Climate Studies  
EARTH 456 Groundwater Modelling  
CHEM 494A Research Project or EARTH 436A Honours Thesis  
Two Electives (1.0 unit)

*Year 4B (Winter)*

CHEM 305 Atmospheric Chemistry and Physics  
CHEM 305L Atmospheric Modelling Laboratory  
CHEM 494B Research Project or EARTH 436B Honours Thesis  
Four electives (2.0 units)

*Recommended Electives*

This list is provided for guidance only. Note that many of these courses have pre-requisites and it is the responsibility of the student, in consultation with the program advisor, to ensure that all pre-requisite requirements for selected electives are met. Electives not contained in this list may be taken only with the consent of the program advisor.

BIOL 354 Environmental Toxicology 1  
BIOL 439 Environmental and Natural Products Biochemistry  
BIOL 447 Environmental Microbiology

CHEM 310/310L Transition Element Compounds and Inorganic Materials/Laboratory  
CHEM 323 Analytical Instrumentation  
CHEM 421 Mass Spectrometry

EARTH 332 Metamorphic Petrology  
EARTH 421 Geochemistry 2  
EARTH 260 Applied Geophysics 1  
EARTH 460 Applied Geophysics 2  
EARTH 461 Applied Geophysics 3  
EARTH 459 Chemical Hydrogeology

ENVS 201 Introduction to Environmental and Planning Law

ERS 219 Approaches to Environmental Decision Making

GEOG 102 Geography and Our Planetary Environment  
GEOG 208 Applied Climatology  
GEOG 255 Introduction to Geographic Information Systems  
GEOG 309 Physical Climatology  
GEOG 376 Environmental Remote Sensing  
GEOG 409 Energy Balance Climatology  
GEOG 455 Spatial Analysis Using Geographic Information Systems  
GEOG 471 Remote Sensing Project

STAT 204 Statistics for the Physical Sciences 1

**2. PLAN CHANGES**

**Faculty of Applied Health Sciences**

***Bachelor of Science, Honours Health Studies; Pre-Health Professions Option*** [effective 01-September-2003]

Recent changes to the Biology curriculum necessitate an increase in the number of non work-term units required for these plans from 20 to 20.5 for the BSc in Honours Health Studies and, for the Pre-Health Professions Option, from 21 to 21.5.

***Joint Honours Recreation & Business and Therapeutic Recreation*** [effective 01-September-2003]

In order to make this plan consistent with other joint honours plans, it is proposed that the total number of units required be decreased to 20 [from 21].

### **Faculty of Arts**

#### ***Bachelor of Accounting & Financial Management – Regular & Co-op Streams [effective 01-September 2004]***

It is proposed that the total required courses required for this plan be increased from 26 to 27 to reflect the addition of AFM 331 and AFM 102 and the deletion of AFM 281 to the list of required courses. AFM 331 was always intended to be a required course [the failure to include it was an oversight] and AFM 102 is a new course consolidating AFM 122 and AFM 281 [AFM 122 is not a required course].

#### ***All Psychology Academic Plans [effective 01-September-2004]***

To ensure that students meet residency requirements with course grades that can be included in their calculated averages (i.e., not CR/NCR), it is proposed that Psychology majors successfully complete at least half of the total number of units required in Psychology for their academic plan with courses graded on a numeric basis.

#### ***Human Resources Management [effective 01-September-2004]***

On behalf of Senate, Council approved various modifications to the Human Resources Management Plans (Minor, Specialization, Option and Diploma). Two of the modifications required are put forth for approval: reducing the overall average required for all plans from 70% to 65%, for the Specialization, reducing the number of required courses from ten to six, and for the Option, reducing the number of required courses from ten to seven. These changes will bring the requirements more in line with the national standards of the Canadian Council of Human Resources Associations and to facilitate students completing the plans.

#### ***Spanish/English Translation [effective 01-September-2004]***

On behalf of Senate, Council approved various modifications to this plan in response to its ongoing growth and to facilitate students being able to complete the Option, Diploma or Specialization (e.g., one of the courses required was not offered on a yearly basis; an equivalent is now available). Two of the modifications are put forth for approval: establishing a final examination to be administered after successful completion of all required courses (a passing grade is 75%) for all plans and, for the Diploma and Option, increasing the required overall cumulative average required from 65% to 75% to be consistent with that required for the Specialization [this was an oversight when the plans were established]. The final examination will provide the Director with another means to measure students' competence.

#### ***Honours Arts Major, Arts & Business [effective 01-September-2005]***

As the new Arts & Business Plan requires only 20 units, not 21 as in the plan it replaced [i.e., Applied Studies], this difference needs to be noted when requirements for joint honours plans with other disciplines are described. This applies to: Classical Studies, Drama, Fine Arts, French Cultural Studies, French Studies, German, History, Political Science, Psychology, Russian, Slavic Studies, Social Development Studies, and Spanish.

## **Faculty of Science**

### ***Biology (Co-op only)***

21.75 units [from 21.5] are now required for successful completion of this plan to reflect that CHEM 228, worth 0.5 units, has been split into CHEM 228 and CHEM 228L, worth 0.75 units in total.

### ***Environmental Sciences – Ecology Specialization [effective 01-September-2003]***

The title of this plan is being changed to “Environmental Sciences/Ecology” as “Specialization” is no longer required. Given the inactivation of the Global Change Specialization, this plan now stands alone.

## **3. PLAN INACTIVATIONS**

### **Faculty of Arts**

#### ***Bachelor of Arts, Accountancy Studies Co-op Plan [effective 01-January-2004]***

No new students have been admitted to this Plan since Spring 2003 as it has been replaced, effective Fall 2004, with the Bachelor of Accounting & Financial Management Program. Inactivating the Plan effective January 2004 will ensure its removal from the 2004-05 Calendar, but allow transfer to occur in Fall 2003.

#### ***Applied Studies, Honours Co-op [effective 01-January 2004]***

No new students will be admitted to this Plan after the Fall 2003 term as it has been replaced with the Arts & Business Plan, effective Fall 2004. It is anticipated that the majority of Applied Studies students will complete their plan of study by Winter 2008.

#### ***Honours Arts Major (Applied Studies, Co-op) [effective 01-May-2008]***

Students in this last class [i.e., Fall 2003] of Applied Studies will declare their Honours Arts Major for their 2A term in September 2004. Although the Applied Studies Plan will not appear in the 2005-06 Calendar, students enrolled in Applied Studies will be allowed to switch majors until Spring 2008 (to accommodate those students who wish to switch in third or fourth year). This inactivation applies to the following Arts disciplines: Anthropology, Classical Studies, Drama, Economics, English, Fine Arts, French Cultural Studies, French Studies, German, History, Medieval Studies, Music, Philosophy, Political Science, Psychology, Religious Studies, Russian, Slavic Studies, Social Development Studies, Sociology, Spanish, and Speech Communication.

#### ***Management Studies Specialization (new Arts & Business, Regular and Co-op) [effective 1-September-2004]***

Students in Arts & Business (admitted Fall 2004 or later) will not be allowed to specialize in Management Studies given the significant overlap in required courses that exist between the two plans (six of the ten courses for the Management Studies are required in Arts & Business). For the same reason, Arts & Business students may not enrol in the Minor in Management Studies (already approved).

### **Faculty of Mathematics**

#### ***Actuarial Science Post-degree Diploma Program [effective 01-September-2004]***

The Faculty no longer believes that the diploma program is of significant benefit to students and would rather focus its efforts and resources on its primary programs (BMath, MMath and PhD). Post-degree Diploma students may apply to enter the BMath program which, with transfer credits, can generally be completed in four to six terms. The Faculty believes that the BMath program provides a better foundation and job opportunities than does the Diploma program, and is administratively less onerous.

### **Faculty of Science**

#### ***Environmental Science Global Change Specialization [effective 01-September-2004]***

#### ***Environmental Chemistry [effective 01-September-2004]***

#### ***UW Humber College Environmental Sciences [effective 01-September-2004]***

These specialization/plans are to be inactivated as they are being replaced by the Atmospheric and Planetary Sciences Plan.

## **4. RULES AND REGULATIONS**

### **Faculty of Arts**

#### ***CR Grades***

Students who do not pass a CR-grade course will receive a mark of "NCR" instead of "F". "NCR" (no credit granted, failure recorded) records the course as a failed attempt, but does not have a deleterious effect on the student's average any more than a "CR" has a beneficial effect. The existing practice of granting an "F" appears to have been the result of an oversight.

### **Faculty of Science**

#### ***Doctor of Optometry Program***

#### ***Exit Examination***

It is proposed that at the end of fourth year, students be required to take an exit examination. The exit examination is considered a degree milestone and will be taken after all optometry courses are passed. Degree milestones must be successfully completed prior to graduation. Repeated failure of the exit examination will delay graduation and may lead to removal from the Doctor of Optometry Program. Currently, the exit exam is a course requirement in the final year clinic course. The creation of concurrently running fourth-year clinic courses has created the need for the exit exam to be a stand-alone degree milestone. This milestone has no credit weight but must be successfully completed prior to graduation. Optometry allows two attempts at successfully completing the exam before graduation is delayed. OPTOM 488 was created to provide remediation for students who fail to successfully complete the exit exam.

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**FOR INFORMATION**

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**5. Curricular Changes**

On behalf of Senate, Council approved a number of academic plan changes, new courses, course changes and course inactivations for the Faculties of Applied Health Studies (Health Studies & Gerontology), Arts (Accounting & Financial Management; Arts & Business; Digital Arts Communication Specialization; Career Development Practitioner; English Language & Literature; all English academic plans; Fine Arts; Psychology; Human Resources Management; Spanish & Latin American Studies; Dean of Arts [ARTS 199]; French Studies; Germanic & Slavic Studies; Renison College), Engineering (Mechanical Engineering), Software Engineering, Environmental Studies (Dean of ES; Environment & Resource Studies; Geography; Planning), Mathematics (Dean of Math; Computer Science; Actuarial Science; Statistics), and Science (Biology; Biochemistry; Chemistry; Chemical Physics; Geochemistry; Computational Science; Earth Sciences; Science & Business; Physics).

/tlc  
August 5, 2003

Bruce Mitchell  
Chair

**UNIVERSITY OF WATERLOO**  
**SENATE SCHOLARSHIPS & STUDENT AID COMMITTEE**

**Report to Senate -- September 15, 2003**

The Senate Scholarships & Student Aid Committee met on April 16, 2003 and agreed to forward the following items to Senate for information [*further details may be obtained from the Committee Secretary, x 5924*]:

1. ***New Awards for Calendar Publication 2004/2005.*** The Committee approved the list of new awards, as detailed in Attachment #1.
2. ***Waterloo County Entrance Scholarships.*** After reviewing the final budget for 2002/03 and the projected budget for 2003/2004, the Committee agreed to award in 2003/04: 19 "Waterloo County Special Entrance Awards" valued at \$5,000 (\$3,000 in Year 1, \$1,000 in Year 2 and \$1,000 in Year 3), and 19 "Waterloo County Entrance Awards" valued at \$3,000 (all in first year). The amounts of these awards have been reduced from last year (\$4,000 was paid in the first year for the Special Entrance Award and \$4,000 in total for the Entrance Award) in light of the uncertainty with respect to interest earned on endowments. See Attachment #2.
3. ***Senate Scholarship Fund: Summary of Donations.*** The Committee reviewed and discussed the summary of donations, as detailed in Attachment #3.
4. ***UW Local Aid Funds.*** This bursary program was established per the Minister of Education and Training to assist students if personal and family resources are not adequate to meet the cost of education-related expenses. Students who did not apply for entrance bursaries when they joined UW can apply for subsequent bursary support once they arrive. See Attachment #4 for the 2002/03 budget and the 2003/04 preliminary budget.

Aided by data on tuition increases, CPI and the average amount of money students need to live off campus while studying at UW, the Committee agreed that the level of bursary support be enhanced and periodically reviewed. The maximum per term value had not been increased since 1999.

In addition to the bursaries noted in Attachment #4, local aid funds also fund the UW Work Placement Program. See Attachment #5 for the 2003/2004 announcement.

5. ***Campaign Waterloo – Scholarship Campaign Gifts.*** From May 1, 2000 to April 2003, \$14.1M has been raised from all sources for scholarships. The goal set for undergraduate scholarships is \$24M and \$17M for graduate scholarships.

/tlc  
May 26, 2003

Ian Williams  
Chair

## NEW UNDERGRADUATE AWARDS FOR CALENDAR PUBLICATION 2004/2005

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### ENTRANCE SCHOLARSHIPS:

#### **CIBC National Scholarship**

One scholarship, valued at \$25,000 over four years, is awarded annually to an incoming undergraduate student enrolled in a Co-op Computer Science program or the Math Business Double Degree program. Payments beyond Year One are dependent on the student maintaining an overall academic average of 80% or greater and continued enrollment in an approved program.

#### **Marsh Memorial Scholarship**

One scholarship, valued at maximum \$4,000, is awarded annually to a first-year undergraduate student enrolled in the School of Computer Science. Selection is based on high school admission marks, results of the Euclid Mathematics Contest and extracurricular achievement as assessed through the Admission Information Form. Preference will be given to students with a demonstrated financial need as determined from the University of Waterloo Entrance Bursary Application. Recipients may be eligible for an interview with Marsh Canada for a potential summer or co-op work term. No application is required. Established in 2001 by Marsh Canada, this scholarship honours the memory of Bernard Mascarenhas and his long-standing dedication to Marsh. Bernard was killed on September 11, 2001 at 8:45 a.m., while he and his colleagues participated in a meeting on the 97th floor of the World Trade Centre, North Tower in New York City. During his 23 year career with Marsh, Bernard consistently exemplified the Marsh virtues of integrity, vision, innovation and excellence.

#### **School of Accountancy (SOA) Fellowship**

Ten fellowships, each valued at up to \$6,000 over four years, are awarded annually by the School of Accountancy to students admitted to First Year of the Bachelor of Accounting and Financial Management (BAFM) program. Selection is based on outstanding academic performance, demonstrated leadership qualities, and sustained involvement in extracurricular activities. Continuance of the fellowship beyond Year One is dependent on recipients maintaining an 85% overall average and fulfilling teaching or research assistant commitments in Years Three and Four. Interested students must complete the SOA Fellowship Application Form available at [www.bafm.uwaterloo.ca/fellowships](http://www.bafm.uwaterloo.ca/fellowships) by May 1st.

### UPPER-YEAR SCHOLARSHIPS:

#### **Elie and Doris Albers Scholarship**

One scholarship, valued at \$1,500, is presented annually to an undergraduate student entering Second, Third or Fourth Year of regular or co-op Statistics. This scholarship has been established by Cathy Cotton (nee Albers), BMath '71, MMath '74 and Paul Cotton, BMath '71, MMath '74 in honour of Cathy's parents and their commitment to education.

#### **Arvin Meritor Scholarship**

Two scholarships, valued at \$750, are presented annually to the Mechanical Engineering students who have achieved the highest marks in the 2B study term. One award will be given to a Stream 8 student and one to a Stream 4 student. No application is necessary.

## **NEW UNDERGRADUATE AWARDS FOR CALENDAR PUBLICATION 2004/2005**

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### **CIBC Scholarships**

Six scholarships, valued at \$5,000 each, are awarded annually to undergraduate students enrolled in Co-op Computer Science or the Business Administration and Mathematics Double Degree Program.

Applicants must have completed three work terms, and have a cumulative average of 80% or above and have a keen interest in working within the Financial Industry. Please note that this scholarship may not be held concurrently with other major University of Waterloo scholarships.

### **Allan Freeze Prize**

The Department of Earth Sciences offers an annual award to the first- or second-year student who obtains the highest mark in Earth 123 Introductory Hydrology. The amount of the award is \$250, which will be in the form of a Bookstore voucher.

### **Recreation Undergraduate Honours Thesis Award**

This award was established by the Department of Recreation and Leisure Studies to encourage high calibre students to consider undertaking an honours thesis, and to assist in providing financial support for some of the research expenses incurred. The award is available to students enrolled in REC 471A or 471B and may be applied for in any term. Applicants must submit a proposal describing their research topic, method of data collection, budget for research expenses, and an explanation as to how the money would assist in conducting the research. An amount of \$200 is available annually to award to one or more students who meet the criteria.

# \*WATERLOO COUNTY SCHOLARSHIPS

Attachment #2

## Budget for 2002-2003

### 1. Funds available:

Balance from previous year	100,319.67
Estimated Senate Scholarship Pledges (2002-03) & Matched @ \$.95	8,782.64

#### Interest on endowments:

Ford S. Kumpf Scholarship Fund	6,159.60	
Raiter Memorial Scholarship Fund	5,684.40	
Snider Memorial Scholarship Fund	2,840.40	
Waterloo County Entrance Scholarship Fund	<u>7,106.40</u>	<u>21,790.80</u>

130,893.11

#### University of Waterloo parking & traffic fine funds:

a) Funds received May 2001 - April 2002	105,815.85	
b) International Student Bursaries	<u>(6,500.00)</u>	99,315.85

**Total funds available** 230,208.96

### 2. Commitments for 2002-2003:

2000 Special Entrance	(12,000.00)	
2001 Entrance & Special Entrance	(31,000.00)	
2002 Entrance & Special Entrance	<u>(136,000.00)</u>	<u>(179,000.00)</u>

**Balance to carry forward to 2003/04:** 51,208.96

\*Waterloo County Scholarships are awarded only to students who graduate from Waterloo County High Schools (Waterloo County is the number 1 feeder area of the applicant pool). They are funded through the interest on four endowments (listed above), UW parking fine funds, and undesignated donations to the Senate Scholarship Fund.

**\*WATERLOO COUNTY SCHOLARSHIPS**  
**Projected Budget for 2003-2004**

**1. Funds available:**

Balance from previous year		51,208.96
Estimated Senate Scholarship Pledges (2003-04) & Matched at \$.95		7,000.00

**Interest on endowments:**

*(based on 2.5% in 2002/03 and 2003/04)*

Ford S. Kumpf Scholarship Fund	1,783.00	
Raiter Memorial Scholarship Fund	1,572.00	
Snider Memorial Scholarship Fund	1,404.00	
Waterloo County Entrance Scholarship Fund	941.00	5,700.00
		63,908.96

**University of Waterloo parking & traffic fine funds:**

a) Funds received May 2002 - April 2003	105,322.56	
b) New Item - Parking Fine Surplus from prior years	100,000.00	205,322.56

**Total funds available** 269,231.52

**2. Commitments for 2003-2004:**

2001 Special Entrance	(13,000.00)	
2002 Entrance & Special Entrance	(31,000.00)	(44,000.00)

**Balance available for 2003-2004:** 225,231.52

**3. Proposed entrance:**

Waterloo County Entrance 19 @ 3,000 (paid all in first year)	(57,000.00)	
Waterloo County Special Entrance 19 @ 5,000 (3,000 + 1,000 + 1,000)	(57,000.00)	(114,000.00)

**4. Expected commitments for 2004-2006:** (57,000.00)

**Balance:** 54,231.52

\*Waterloo County Scholarships are awarded only to students who graduate from Waterloo County High Schools (Waterloo County is the number 1 feeder area of the applicant pool). They are funded through the interest on four endowments (listed above), UW parking find funds, and undesignated donations to the Senate Scholarship Fund.

## UNDERGRADUATE SENATE SCHOLARSHIP DONATIONS

Faculty/Department/School	2001-2002		May 2002-Apr. 1, 2003 11 months only	
	Total Rec'd	# of Donors	Total Rec'd	# of Donors
<b>Faculty of Arts</b>				
Arts Unrestricted	8,283.81	32	9,208.46	40
School of Accountancy	2,410.07	6	1,760.01	6
Anthropology	250.00	1	--	--
Classical Studies	300.00	1	275.00	1
Economics	480.00	1	620.00	1
English	20.84	1	100.00	1
Fine Arts	210.00	1	42.00	0
French Studies	816.64	2	137.50	1
German/Slavic	500.00	1	900.00	1
History	1,050.00	3	550.00	1
Music	333.28	1	550.00	1
Philosophy	600.00	1	934.86	3
Political Science	1,019.84	3	497.20	3
Psychology	481.10	2	--	--
Religious Studies	500.00	1	295.00	2
Sociology	460.00	3	45.00	1
Spanish	--	--	--	--
	<u>17,715.58</u>	<u>60</u>	<u>15,915.03</u>	<u>62</u>
<b>Faculty of Applied Health Science</b>				
AHS Unrestricted	9,603.53	20	5,546.32	20
Health Studies/Gerontology	2,346.66	4	3,203.32	4
Kinesiology	5,205.98	9	5,204.85	9
Recreation & Leisure Studies	<u>373.96</u>	<u>2</u>	<u>369.25</u>	<u>3</u>
	17,530.13	35	14,323.74	36
<b>Faculty of Engineering</b>				
	2,175.95	9	3,767.13	16
<b>Faculty of Environmental Studies</b>				
Environmental Studies Unrestricted	2,930.81	12	3,440.14	12
School of Architecture	2,659.92	6	2,225.76	5
School of Planning	1,899.94	3	1,824.95	3
Environment and Resource Studies	186.66	1	610.00	2
Geography	<u>2,872.33</u>	<u>4</u>	<u>3,006.59</u>	<u>4</u>
	10,549.66	26	11,107.44	26
<b>Faculty of Mathematics</b>				
	23,704.23	36	22,576.98	38
<b>Faculty of Science</b>				
Science Unrestricted	1,811.94	10	2,694.90	14
School of Optometry	--	--	--	--
Biology	1,550.00	4	2,535.06	5
Chemistry	6,906.28	27	5,145.20	13
Earth Sciences	2,350.08	3	1,896.69	4
Physics	<u>2,259.28</u>	<u>9</u>	<u>3,723.26</u>	<u>14</u>
	14,877.58	53	15,995.11	50
<b>Independent Studies</b>				
	674.99	2	233.33	2
<b>University-Wide</b>				
	<u>4,593.36</u>	<u>23</u>	<u>4,894.46</u>	<u>40</u>
<b>TOTAL</b>	91,821.48	244	88,813.22*	270

\* Amount ineligible for matching = \$83.34

## GRAD SENATE SCHOLARSHIP DONATIONS

Faculty/Department	2001-2002		May 2002-Apr. 1, 2003 11 months only	
	<i>Total Rec'd</i>	<i># of Donors</i>	<i>Total Rec'd</i>	<i># of Donors</i>
<b><i>Faculty of Arts</i></b>				
Arts Unrestricted	1,300.00	2	60.00	1
School of Accountancy	405.00	1	267.54	1
Economics	-	-	--	--
English	20.82	1	--	--
Fine Arts	1,539.96	2	916.75	1
French Studies	483.32	2	637.48	2
Germanic/Slavic	1,966.84	1	1,833.26	1
History	300.00	1	--	--
Philosophy	2,040.00	3	1,870.00	3
Political Science	379.91	3	348.48	3
Psychology	381.07	2	405.58	2
Sociology	-	-	<u>1,000.00</u>	<u>1</u>
	8,816.92	18	7,339.09	15
<b><i>Faculty of Applied Health Sciences</i></b>				
AHS Unrestricted	1,726.64	6	1,004.19	5
Health Studies/Gerontology	1,392.01	3	1,221.02	4
Kinesiology	1,624.93	3	1,714.58	4
Recreation	488.00	<u>3</u>	<u>392.53</u>	<u>2</u>
	5,231.59	15	4,332.32	15
<b><i>Faculty of Engineering</i></b>				
Engineering Unrestricted	500.04	3	115.00	2
Electrical Engineering	-	-	--	--
Management Science	<u>350.00</u>	<u>2</u>	<u>275.00</u>	<u>1</u>
	850.04	5	390.00	3
<b><i>Faculty of Environmental Studies</i></b>				
Environmental Studies Unrestricted	320.03	3	240.01	3
Environment and Resource Studies	130.66	1	110.00	1
Geography	804.00	2	777.00	3
School of Planning	780.01	2	715.01	2
School of Architecture	<u>500.00</u>	<u>1</u>	<u>550.00</u>	<u>1</u>
	2,534.70	9	2,392.02	10
<b><i>Faculty of Mathematics</i></b>				
Mathematics Unrestricted	1,369.99	4	850.00	3
Applied Math	200.04	2	2,343.37	3
Combinatorics and Optimization	1,420.06	3	120.01	1
Computer Science	3,000.00	2	550.00	1
Statistics and Actuarial Science	<u>3,346.56</u>	<u>5</u>	<u>3,025.00</u>	<u>5</u>
	9,336.65	16	6,888.38	13
<b><i>Faculty of Science</i></b>				
Science Unrestricted	99.97	1	136.64	2
Optometry	1,150.00	2	50.00	1
Biology	350.00	1	434.91	1
Chemistry	10.00	1	--	--
Earth Sciences	499.88	1	166.63	1
Physics	-	-	--	--
	2,109.85	<u>6</u>	788.18	<u>5</u>
<b><i>University-Wide</i></b>				
	<u>539.96</u>	<u>4</u>	<u>271.66</u>	<u>5</u>
<b>Total to be matched/endedowed....</b>	29,419.71	73	22,401.65*	66

Amount ineligible for matching = \$700.00

UW Local Aid Fund Statistics  
2002/2003

Attachment #4

UW Local Aid Bursary			UW Local Aid Out of Province		
<b>Renison College</b>			<b>Renison College</b>		
Arts	33	\$ 48,300.00	Arts	0	\$ -
Social Work	4	\$ 5,000.00	Social Work	0	\$ -
Total	37	\$ 53,300.00	Total	0	\$ -
<b>St Jerome's University</b>			<b>St Jerome's University</b>		
Arts	50	\$ 75,600.00	Arts	0	\$ -
Math	20	\$ 27,900.00	Math	1	\$ 400.00
Total	70	\$ 103,500.00	Total	1	\$ 400.00
<b>University of Waterloo</b>			<b>University of Waterloo</b>		
AHS	104	\$ 140,000.00	AHS	2	\$ 4,800.00
Arts	417	\$ 623,700.00	Arts	11	\$ 23,800.00
Eng	222	\$ 319,250.00	Eng	11	\$ 22,000.00
ES	114	\$ 157,350.00	ES	7	\$ 12,100.00
IS	4	\$ 4,500.00	IS	1	\$ 3,000.00
Math	261	\$ 405,700.00	Math	8	\$ 9,000.00
Science	305	\$ 603,900.00	Science	61	\$ 159,300.00
Software Eng	8	\$ 8,700.00	Software Eng	1	\$ 1,200.00
Total	1435	\$ 2,263,100.00	Total	102	\$ 235,200.00
<b>Grand Total</b>	<b>1542</b>	<b>\$ 2,419,900.00</b>	<b>Grand Total</b>	<b>103</b>	<b>\$ 235,600.00</b>
<b>UW Entrance Bursary</b>					
<b>Renison College</b>					
Arts	16	\$ 32,000.00			
Social Work	1	\$ 3,000.00			
Total	17	\$ 35,000.00			
<b>St Jerome's University</b>					
Arts	22	\$ 54,300.00			
Math	30	\$ 59,000.00			
Total	52	\$ 113,300.00			
<b>University of Waterloo</b>					
AHS	64	\$ 139,500.00			
Arts	117	\$ 278,200.00			
Eng	272	\$ 488,250.00			
ES	51	\$ 118,750.00			
IS	0	\$ -			
Math	262	\$ 504,400.00			
Science	104	\$ 247,200.00			
Software Eng	26	\$ 61,000.00			
Total	896	\$ 1,837,300.00			
<b>Grand Total</b>	<b>965</b>	<b>\$ 1,985,600.00</b>			

<b>Local Aid Funds Budget 2003/04</b>	
Projected Total Local Aid Funds Available	\$ 10,735,000.00
Projected Graduate Allocation	\$ 1,415,000.00
Projected Undergraduate Allocation	\$ 9,320,000.00
UG Set Aside Budget	\$ 9,320,000.00
<b>Bursaries</b>	<b>Budget</b>
UW Entrance Bursary	\$ 3,000,000.00
UW Local Aid Bursary	
UW Local Aid Bursary - Out of Province	
UW Local Aid Bursary - Part-time	
	\$ 4,320,000.00
Summary Total all Undergrad Bursaries	\$ 7,320,000.00
<b>Work</b>	
UW Work Placement	\$ 2,000,000.00
Total Local Aid Needed	\$ 9,320,000.00

## Announcement

### 2003/04 University of Waterloo Work Placement Program

#### What is the Work Placement Program?

This program provides full-time work placement employment to eligible students who meet **all** of the following criteria:

- the student must have been in school full-time at UW during the term immediately preceding the work placement
- the student must have applied for and been eligible to receive OSAP assistance during that same period
- the student must be returning to full-time studies at UW in the term immediately following the work placement

The Student Awards Office, in conjunction with Co-operative Education and Career Services (CEC), administers this program. The Student Awards Office and CEC will verify student eligibility for participation in this program.

**Funding for this program has been allocated by department.** Please contact your Dean or your Department Head for further information. Funding up to \$2,000 per month per student is provided by the Tuition Set-Aside Fund. Should the job that you create require a higher salary, you or your department will be responsible for any difference above the monthly maximum.

#### Full-time employment under this program is limited to the following dates:

Spring 2003 work period – May 5, 2003 – August 29, 2003

Fall 2003 work period – September 2, 2003 – December 23, 2003

Winter 2004 work period – January 5, 2004 – April 30, 2004

Note: Each student is limited to one work placement only: i.e. it is not possible to employ the same student for two consecutive work placements.

#### Application & Recruitment Process

1. Contact your Dean or Department Head for position approval.
2. Complete the attached Work Placement Job Description form or if hiring a co-op student, provide a copy of your Co-op Position Description form including proposed monthly salary. **Note: monthly salaries that exceed \$2000/month will be charged back to your department.**
3. Return this completed form to the Student Awards Office, 2<sup>nd</sup> floor, Needles Hall.

#### Interview Process

4. CEC or Career Services will forward the resumes of eligible candidates who have indicated an interest in your position to your attention for your consideration. Please keep in mind that you can only hire students who meet all of the criteria mentioned above.

#### Salary Payment

5. Once hired students and employers must complete the **Declaration of Student's Eligibility/Hiring Form** and the **HR/Payroll Temporary Authorization form** (to ensure monthly salary payments to the student).
6. Return both of these forms to the Student Awards Office promptly. This will ensure the wages are charged to the Work Placement Program and that Co-operative Education and Career Services are informed that the position has been filled.

If you have further questions, regarding this program, please contact Joanne Wade, Director, Student Awards & Student Financial Aid, Ext. 6039, [jwade@uwaterloo.ca](mailto:jwade@uwaterloo.ca)

If you have question regarding interview process please contact:

Linda Davis, CEC, Ext. 2171 [ldavis@uwaterloo.ca](mailto:ldavis@uwaterloo.ca) - co-op student issues  
or Pam Martin, CEC, Ext. 6055 [pmartin@uwaterloo.ca](mailto:pmartin@uwaterloo.ca) for regular student issues.

April 2003.

**UNIVERSITY OF WATERLOO**  
**REPORT OF THE DEAN OF APPLIED HEALTH SCIENCES TO SENATE**  
**Monday, September 15, 2003**

**For Information:**

**A. APPOINTMENTS**

**New Probationary Term**

**GLOVER, Troy**, Assistant Professor, Recreation and Leisure Studies, August 1, 2003 to June 30, 2006, BRLS (Brock University, 1995), MA (University of Alberta, 1997), Ph.D. (University of Waterloo, 2000). Dr. Glover's expertise is in the area of Park and Recreation Administration and building capacity in local communities. This is a good fit within the department's management/administration of leisure services area.

**New Definite Term - full-time**

**PARRY, Diana**, Assistant Professor, Recreation and Leisure Studies, August 1, 2003 to June 30, 2005. BRLS (Brock University, 1996), MA (University of Waterloo, 1998), Ph.D. (University of Illinois at Urbana-Champaign, 2003). Dr. Parry's area of research focuses on women's health and well-being from a quality of life perspective. She will be able to make a strong contribution to the Department in both areas of teaching and research.

**Probationary Term**

**FRAZER, Mardon**, Assistant Professor, Kinesiology, July 1, 2004 to June 30, 2006, BSc, (University of Waterloo, 1984), Ph.D., University of Waterloo, 1997).

**HANNING, Rhona**, Associate Professor, Health Studies and Gerontology, July 1, 2004 to June 30, 2006. BAsC (University of Guelph, 1978), PhD (University of Toronto, 1986).

**RUSH, James**, Assistant Professor, Kinesiology, July 1, 2004 to June 30, 2006, BSc, (University of Guelph, 1992), MSc, (University of Guelph, 1993), Ph.D. (State University of New York, 1998).

**SMITH, Trevor**, Assistant Professor, Health Studies and Gerontology, September 1, 2004 to June 30, 2006, BA Hons. (University of Guelph, 1983), MA (University of Guelph, 1985), Ph.D. (University of Toronto, 1996).

**Adjunct Appointments**

**HARVEY, Andrew**, Lecturer, Kinesiology, September 1, 2003 to December 31, 2003.

**JOPPE, Marion**, Associate Professor, Recreation and Leisure Studies, May 1, 2003 to April 30, 2005.

**LADAK, Nizar**, Assistant Professor, Health Studies and Gerontology, July 1, 2003 to June 30, 2005.

**LEWIS, Anthony**, Assistant Professor, Kinesiology, July 1, 2003 to June 30, 2006.

**MELDRUM, John**, Lecturer, Recreation and Leisure Studies, January 1, 2004 to April 30, 2004.

**STAEMPFLI, Marianne**, Lecturer, Recreation and Leisure Studies, January 1, 2004 to April 30, 2004.

**STEVENSON, Peter**, Associate Professor, Kinesiology, July 1, 2003 to June 30, 2006.

**WINFIELD, Doris**, Lecturer, Health Studies and Gerontology, September 1, 2003 to December 31, 2003.

**Adjunct Reappointments**

**BEST, Allan**, Professor, Health Studies and Gerontology, September 1, 2003 to August 31, 2005.

**GASTALDI, Brian**, Lecturer, Kinesiology, September 1, 2003 to December 31, 2003.

**ZUZANEK, Jiri** (Distinguished Professor Emeritus), Professor, Recreation and Leisure Studies, January 1, 2003 to June 30, 2004.

**Cross Reappointments**

**SHARRATT, Michael** , Professor , Faculty of Applied Health Sciences, Department of Kinesiology to Department of Health Studies and Gerontology, July 1, 2003 to June 30, 2005.

**WALL, Geoff**, Professor, Department of Geography to Department of Recreation and Leisure Studies, September 1, 2003 to August 31, 2005.

**B. ADMINISTRATIVE APPOINTMENTS**

**WARD, Glenn**, Associate Chair, Undergraduate Studies, Health Studies and Gerontology, September 1, 2003 to August 31, 2004.



M.T. Sharratt, Dean  
Applied Health Sciences

MTS:jc

## UNIVERSITY OF WATERLOO

## REPORT OF THE DEAN OF THE FACULTY OF ARTS TO SENATE

SEPTEMBER 15, 2003

For information:

A. *APPOINTMENTS**New Probationary Terms*

**BENDER, Daniel**, BA History Yale 1995, MA 1997, MPhil ABD 1998, PhD 2001, New York University Graduate School of Arts and Sciences, History. Lecturer, Princeton University, 2002-2003; Visiting Assistant Professor, Michigan State University, 2001-2002, Assistant Professor, Department of History, July 1, 2003 to June 30, 2006. Professor Bender is a specialist in US social and cultural history. He has already published his research as an important book on the history of sweatshops, among other research publications. He will contribute to the Department's undergraduate and graduate programs complementing our present American offerings and bringing new fields of ethnicity and politics/culture. In addition to his research potential, Dr. Bender is a powerful lecturer, fully engaging his students.

**CLUETT, Cora**, BFA Windsor 1988, MFA Guelph 1996, Assistant Professor, Department of Fine Arts, November 1, 2003 to June 30, 2007. Professor Cluett's areas of specialization are painting, photography and the history and theory of time based art. Originally trained as a photographer, Professor Cluett has become well known and respected as an abstract painter with important public exhibitions including at the Art Gallery of Ontario. She was recently awarded a Canada Council Grant to research a new body of work that is a hybrid of painting and sculpture. Professor Cluett joins us from the University of Dundee, Scotland, where she was the director of the program in time based art in the Master of Science in Electronic Imaging Program. Professor Cluett will strengthen the photography program and develop new courses that integrate computer imaging and photography. Professor Cluett will play a central role in developing the conceptual, critical and theoretical discourse in the digital media program.

**PORRECA, David**, International Baccalaureate Pure and Applied Sciences College Jean-de-Brebeuf (Montreal), 1993, BA Medieval Studies University of Waterloo 1966, MA Medieval Studies University of Toronto 1997, PhD Warburg Institute University of London (UK) 2001, Assistant Professor, Department of Classical Studies, September 1, 2003 to June 30, 2006. Currently, Professor Porreca holds a Postdoctoral Fellowship at Wilfrid Laurier University, and is compiling and analyzing an electronic database of medieval texts pertaining to the mythical ancient writer Hermes Trismegistus. Dr. Porreca has demonstrated that this overlooked figure plays a significant role in the thinking of medieval philosophers and theologians, and has filled a scholarly gap between Classical and Renaissance times. As collaborator on the most important Hermetic work in the medieval west, Dr. Porreca is also editing a volume for the Hermes Latinus series. His wide-ranging interests in late roman and medieval thought will contribute to the Department's programs in classical and medieval studies, while his philological skills will be put to use in the teaching of the Latin language and civilization.

*New Definite Terms*

**PAMUKCU, Omer**, Lecturer, School of Accountancy, September 1, 2003 to August 31, 2006.

**ROBINSON, Linda**, Lecturer, School of Accountancy, September 1, 2003 to August 31, 2004.

**SPAHR, Adriana**, Assistant Professor, Department of Spanish and Latin American Studies, August 18, 2003 to May 31, 2004.

**SPROULE, Robert**, Lecturer, School of Accountancy, September 1, 2003 to August 31, 2004.

**STERN, Pamela**, Assistant Professor, Department of Anthropology, August 1, 2003 to June 30, 2006.

*Definite Term - Reappointment*

**VANDEN BOSCH, Nancy**, Lecturer, School of Accountancy, September 1, 2003 to August 31, 2004.

*Adjunct Appointments*

**ANCIMER, Tony**, Lecturer, School of Accountancy, May 1, 2003 to August 31, 2003.

**ARAI, Bruce**, Associate Professor, Department of Sociology, September 1, 2003 to December 31, 2003.

**BIRKETT, David**, Lecturer, Department of Economics, September 1, 2003 to December 31, 2003.

**BORCHERT, Angela**, Assistant Professor, Department of Germanic and Slavic Studies, May 1, 2003 to August 31, 2003.

**BRIGGS, Catherine**, Assistant Professor, Department of History, September 1, 2003 to December 31, 2003.

**CORNING, Gail**, Assistant Professor, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**DONOVAN, Anne Marie**, Lecturer, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**FISK, Michelle**, Lecturer, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**FLERAS, Augie**, Associate Professor, Department of Sociology, September 1, 2003 to December 31, 2003.

**FORSYTH, Phyllis**, (Distinguished Professor Emerita), Professor, Department of Classical Studies, June 1, 2003 to May 31, 2004.

**GINGRICH, Nadine**, Assistant Professor, Department of English Language and Literature, September 1, 2003 to December 31, 2003.

**GUBITZ, Geertje**, Lecturer, Department of Germanic and Slavic Studies, September 1, 2003 to December 31, 2003.

**HARTLING, Shannon**, Assistant Professor, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**HASHEMI, Nader**, Lecturer, Department of Political Science, January 1, 2004 to April 30, 2004.

**HORTON, Donald**, (Professor Emeritus), Associate Professor, Department of History, September 1, 2003 to December 31, 2003.

**HOTH, Whitney**, Lecturer, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**JACKSON, John**, Assistant Professor, Faculty of Arts, September 1, 2003 to December 31, 2003.

**JERNIGAN, Kim**, Lecturer, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**JOLICOEUR, Pierre**, Professor, Department of Psychology, January 1, 2003 to December 31, 2003.

**KAISERMAN, Murray**, Professor, Department of Economics, September 1, 2003 to August 31, 2005.

**KOK, Laura**, Lecturer, Department of Spanish and Latin American Studies, September 1, 2003 to December 31, 2003.

**LI, Yan**, Assistant Professor, Department of History, January 1, 2004 to April 30, 2004.

**LOCHEAD, Karen**, Lecturer, Department of Political Science, January 1, 2004 to April 30, 2004.

**MAWANI, Amin**, Lecturer, School of Accountancy, May 1, 2003 to August 31, 2003.

**MCCAULEY, Eva**, Lecturer, Department of Fine Arts, September 1, 2003 to December 31, 2003.

**MILNE, Brooke**, Lecturer, Department of Anthropology, September 1, 2003 to December 31, 2003.

**MITCHELL-ASHLEY, Tracy**, Lecturer, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**MOHAN, Denise**, Lecturer, Department of Spanish and Latin American Studies, September 1, 2003 to December 31, 2003.

**MOTA, Fatima**, Lecturer, Department of Spanish and Latin American Studies, September 1, 2003 to April 30, 2004.

**MOUL, Trudy**, Assistant Professor, Department of Sociology, May 1, 2003 to April 30, 2004.

**O'CONNOR, Jennifer**, Lecturer, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**PACI, Tim**, Lecturer, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**PATTEN, Cheryl**, Assistant Professor, Faculty of Arts, September 1, 2003 to December 31, 2003.

**PATTERSON, Randi**, Lecturer, Department of English Language and Literature, September 1, 2003 to December 31, 2003.

**PENNY LIGHT, Tracy**, Lecturer, Department of History, September 1, 2003 to December 31, 2003.

**SCHWEITZER, David**, Assistant Professor, Department of History, September 1, 2003 to December 31, 2003

**SEIM, Robert**, (Professor Emeritus), Associate Professor, Department of Psychology, May 1, 2003 to August 31, 2003.

**SMICK, Rebekah**, Assistant Professor, Department of Fine Arts, September 1, 2003 to December 31, 2003.

**SMITH, Cheryl**, Assistant Professor, Department of History, January 1, 2004 to April 30, 2004.

**SMYTH, Jacqui**, Assistant Professor, Department of English Language and Literature, September 1, 2003 to December 31, 2003.

**WILKINSON, Lesley**, Lecturer, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**WYSE, Bruce**, Assistant Professor, Department of English Language and Literature, September 1, 2003 to December 31, 2003.

**Adjunct Reappointments**

**ARAI, Bruce**, Associate Professor, Department of Sociology, September 1, 2003 to December 31, 2003.

**BENNETT, Chris**, Lecturer, Department of Economics, September 1, 2003 to December 31, 2003.

**BIRKETT, David**, Lecturer, Department of Economics, January 1, 2004 to April 30, 2004.

**BRIGGS, Catherine**, Assistant Professor, Department of History, January 1, 2004 to April 30, 2004.

**COOK, Rob**, Lecturer, Department of Economics, September 1, 2003 to December 31, 2003.

**CORBY, Bill**, Professor, Department of Political Science, January 1, 2004 to April 30, 2004.

**DOWNEY, Terry**, Professor, Department of Political Science, May 1, 2003 to April 30, 2006.

**DOWNIE, Susan**, Lecturer, Department of Classical Studies, September 1, 2003 to December 31, 2003.

**HAAG, Sally**, (Professor Emerita), Assistant Professor, Department of Classical Studies, September 1, 2003 to December 31, 2003.

**HUTTER, Daniel**, Lecturer, Department of Classical Studies, September 1, 2003 to December 31, 2003.

**KRELLER, Paul**, Assistant Professor, Department of English Language and Literature, September 1, 2003 to December 31, 2003.

**MCARTHUR, Kathryn**, Lecturer, Department of English Language and Literature, September 1, 2003 to December 31, 2003.

**MCARTHUR, Kathy**, Lecturer, Department of Drama and Speech Communication, September 1, 2003 to December 31, 2003.

**MCFARQUHAR, Colin**, Assistant Professor, Department of History, May 1, 2003 to August 31, 2003.

**PORTER, Robert**, (Professor Emeritus), Assistant Professor, Department of Classical Studies, September 1, 2003 to December 31, 2003.

**SCHWEITZER, David**, Assistant Professor, Department of History, January 1, 2004 to April 30, 2004.

**SMITH, Cheryl**, Assistant Professor, Department of History, January 1, 2004 to April 30, 2004.

**SMITH, Larry**, Assistant Professor, Department of Economics, September 1, 2003 to August 31, 2004.

**TRIMARCHI, Angela**, Lecturer, Department of Economics, January 1, 2004 to April 30, 2004.

**VAUGHAN, Mary Ann**, Lecturer, Department of Economics, January 1, 2004 to April 30, 2004.

**VERA-QUINN, Regina**, Lecturer, Department of Spanish and Latin American Studies, September 1, 2003 to December 31, 2003.

**VOLYNSKA, Rimma**, Assistant Professor, Department of Germanic and Slavic Studies, September 1, 2003 to August 31, 2004.

**Cross Appointment**

**CROSSLEY, John**, Renison College, cross appointment to Department of Political Science, May 1, 2003 to April 30, 2005.

**Cross Reappointment**

**FRISE SMITH, Trevor**, Assistant Professor, Department of Health Studies and Gerontology, cross reappointment to Department of Sociology, July 1, 2003 to June 30, 2006.

**Staff Appointments to Faculty**

**DI GRAVIO, Katrina** (Human Resources), Lecturer, Department of Psychology, September 1, 2003 to December 31, 2003.

**HAYDEN, Jayne** (Cooperative Education and Career Services), Lecturer, Faculty of Arts, September 1, 2003 to December 31, 2003.

**MAHONEY, Kerry** (Cooperative Education and Career Services), Lecturer, Faculty of Arts, September 1, 2003 to December 31, 2003.

**Change in Appointment**

**GRAHAM, Philip**, Associate Professor, Department of Drama and Speech Communication and Canada Research Chair in Communication and Technology, start date changed from July 1, 2003 to October 31, 2003.

B. ***ADMINISTRATIVE APPOINTMENTS***

**ACHESON, Katherine**, Associate Chair, Graduate Studies, Department of English Language and Literature, July 1, 2003 to June 30, 2005.

**CHESNEY, William**, Associate Chair, Undergraduate Studies, Department of Drama and Speech Communication, July 1, 2003 to December 31, 2003.

**CHESNEY, William**, Chair, Department of Drama and Speech, January 1, 2004 to June 30, 2006.

**COLLINGTON, Tara**, Associate Chair, Graduate Studies, Department of French Studies, July 1, 2003 to August 31, 2003.

**COOPER, Andrew**, Associate Director of the Centre for International Governance Innovation, May 1, 2003 to April 30, 2005.

**CURCHIN, Leonard**, Chair, Department of Classical Studies, July 1, 2003 to June 30, 2006.

**DEVIDI, David**, Associate Chair, Graduate Studies, Department of Philosophy, July 1, 2003 to June 30, 2006.

**FOURNIER, Raymond**, Associate Chair, Undergraduate Studies, Department of French Studies, July 1, 2003 to August 31, 2003.

**GREENBERG, Joel**, Associate Chair, Undergraduate Studies, Department of Drama and Speech Communication, January 1, 2004 to June 30, 2005.

**LYONS, Harriet**, Associate Chair, Undergraduate Studies, Department of Anthropology, January 1, 2004 to June 30, 2004.

**MCCLINCHEY, Barry**, Associate Chair, Undergraduate Studies, Department of Sociology, July 1, 2003 to June 30, 2004.

**MCLAUGHLIN, Kenneth**, Associate Chair, Graduate Studies and Director of the Tri-University Graduate Program, Department of History, July 1, 2003 to June 30, 2004.

**MCMURRY, Andrew**, Associate Chair, Undergraduate Studies, Department of English Language and Literature, July 1, 2003 to June 30, 2005.

**MOUL, William**, Associate Chair, Graduate Studies, Department of Political Science, July 1, 2003 to April 30, 2005.

**NEURU, Lucinda**, Associate Chair, Undergraduate Studies, Department of Classical Studies, July 1 2003 to June 30, 2004.

**NUTBROWN, Richard**, Associate Chair, Undergraduate Studies, Department of Political Science, July 1, 2003 to April 30, 2004.

**PARK, Robert**, Associate Chair, Undergraduate Studies, Department of Anthropology, July 1, 2003 to December 31, 2003.

**RUSSELL, Delbert**, Associate Chair, Undergraduate Studies, Department of French Studies, September 1, 2003 to December 31, 2003.

**TAYLOR, Bruce**, Associate Chair, Graduate Studies, Department of Fine Arts, July 1, 2003 to June 30, 2004.

**UHDE, Jan**, Associate Chair, Undergraduate Studies, Department of Fine Arts, July 1, 2003 to June 30, 2004.

#### ***ADMINISTRATIVE REAPPOINTMENT***

**TOMASSON GOODWIN, Jill**, Chair, Department of Drama and Speech Communication, July 1, 2003 to December 31, 2003.

#### **C. *RETIREMENT***

**BOWERS, Patricia**, Associate Professor, Department of Psychology, September 1, 2003.

**FOR APPROVAL BY THE BOARD OF GOVERNORS****D. SABBATICALS**

**BUSCH, Lutz-Alexander**, Associate Professor, Department of Economics, January 1, 2004 to June 30, 2004, six months at 85% salary.

**COUTU, Joan**, Associate Professor, Department of Fine Arts, January 1, 2004 to June 30, 2004, six months at 85% salary.

**FADER, Christina**, Associate Professor, Department of Economics, September 1, 2004 to February 28, 2005, six months at 85% salary.

**HAUCK, Gerhard**, Assistant Professor, Department of Drama and Speech Communication, January 1, 2004 to June 30, 2004, six months at 100% salary.

**KUNDA, Ziva**, Professor, Department of Psychology, change **from** July 1, 2003 to June 30, 2004, twelve months at 85% salary **to** July 1, 2003 to December 31, 2003, six months at 100% salary.

**NEEDHAM, Robert**, Associate Professor, Department of Economics, July 1, 2004 to December 31, 2004, six months at 100% salary.

**SCHULZE, Mathias**, Assistant Professor, Department of Germanic and Slavic Studies, January 1, 2004 to June 30, 2004, six months at 100% salary.

**WALLER, Gary**, Professor, Department of Psychology, change **from** May 1, 2002 to April 30, 2004, two years at 100% salary **to** September 1, 2003 to August 31, 2005, two years at 100% salary.

**WILTON, David**, Professor, Department of Economics, September 1, 2004 to February 28, 2005, six months at 85% salary.



Robert R. Kerton  
Dean, Faculty of Arts

**UNIVERSITY OF WATERLOO**  
**REPORT OF THE DEAN OF ENGINEERING TO SENATE**  
**September 15, 2003**

For information:

**A. APPOINTMENTS**

**New Probationary Term**

**YEOW, John T.W.**, Assistant Professor, Department of Systems Design Engineering, January 1, 2004 - June 30, 2007. (PhD candidate University of Toronto expected Fall 2003; MSc University of Toronto 1999; BSc University of Toronto 1997). Dr. Yeow's area of expertise is Mechatronics, where he already has an exceptional record in interdisciplinary research in the area of micro electro-mechanical systems (MEMS) with applications to medical instrumentation and telecommunications.

**Probationary Term**

**CRONIN, Duane**, Assistant Professor, Department of Mechanical Engineering, July 1, 2004 - June 30, 2007. (PhD University of Waterloo 2000; MSc University of Waterloo 1996; BSc University of Waterloo 1994).

**New Definite Term – full-time**

**ASHRAFIZADEH, Ali**, Research Assistant Professor, Department of Mechanical Engineering, September 15, 2003 - September 14, 2004. (PhD University of Waterloo 2000; MSc University of Tarbiat Moddardes, Tehran, Iran 1990; BSc Sharif University of Technology Tehran, Iran 1986). Dr. Ashrafizadeh's areas of expertise are mathematical modeling and design of thermo-fluid engineering devices, applying Computational Fluid Dynamics (CFD) in the solution of engineering problems (both analysis and design), developing efficient computational algorithms for solving shape design problems (such as airfoil design, duct design, etc.) and formulating and solving discrete forms of inverse engineering problems.

**MAJEDI, Amir Hamed**, Research Assistant Professor, Department of Electrical & Computer Engineering, May 1, 2003 - April 30, 2006. (PhD University of Waterloo 2001; MSc Amir Kabir University of Technology, Tehran, Iran 1996; BSc Khaje-Nasir Toosi University of Technology, Tehran Iran 1994).

**TOYSERKANI, Ehsan**, Research Assistant Professor, Department of Mechanical Engineering, June 1, 2003 - August 31, 2005. (PhD University of Waterloo 2003; MSc (Polytechnic [Amirkabir] University of Technology, Tehran, Iran 1995; BSc Sharif University of Technology, Tehran, Iran 1991). Dr. Toyserkani's area of expertise is mechatronics engineering with particular emphasis on advanced intelligent systems for laser powder deposition, laser microfabrication, and fluid power control systems. He is also interested in application of laser powder deposition to automated fabrication of custom bone implants.

**Definite Term – Reappointment – full-time**

**SLAWSON, Robin**, Research Associate Professor, Department of Civil Engineering, July 1, 2003 - June 30, 2007.

**TESFAYOHANNES, Mengsteab**, Lecturer, Department of Management Sciences, September 1, 2003 - August 31, 2004.

**Visiting Appointments**

**BERTHERIN, Marc**, Scholar, Department of Systems Design Engineering, September 21, 2003 - November 26, 2003.

**EHZAZI ALAMDARI, Iraj**, Research Assistant Professor, Department of Electrical & Computer Engineering, July 15, 2003 - July 14, 2005.

**HAMADE, Ramsey**, Professor, Department of Mechanical Engineering, June 1, 2003 - September 30, 2003.

**JONGJITJAROEN, Meena**, Scholar, Department of Chemical Engineering, June 1, 2003 - October 30, 2003.

**JUNG, Jae Pil**, Professor, Department of Mechanical Engineering, July 1, 2003 - June 30, 2004.

**LI, Songlin**, Scholar, Department of Mechanical Engineering, May 9, 2003 - May 8, 2004.

**LI, Xiaogang**, Scholar, Department of Mechanical Engineering, July 11, 2003 - July 31, 2004.

**MAHITTUKUL, Aungsutorn**, Scholar, Department of Chemical Engineering, April 1, 2003 - March 31, 2004.

**MENG, Wenwu**, Assistant Professor, Department of Electrical & Computer Engineering, December 1, 2003 - November 30, 2004.

**MONGKHOLKHAJORN SILP, Dayin**, Scholar, Department of Chemical Engineering, June 1, 2003 - June 30, 2004.

**ROJANAMATIN, Sudtida**, Scholar, Department of Chemical Engineering, July 1, 2003 - December 31, 2003.

**SCHONHARDT, Stefan**, Scholar, Department of Electrical & Computer Engineering, December 1, 2003 - May 31, 2004.

**TANGTHONGKUL, Rungnapa**, Scholar, Department of Chemical Engineering, June 1, 2003 - August 31, 2003.

**YANKOVA, Tsvetelina**, Scholar, Department of Mechanical Engineering, May 1, 2003 - April 30, 2004.

**Visiting Reappointments**

**ALATTAR, Senan A.**, Scholar, Department of Civil Engineering, May 1, 2003 - August 31, 2003.

**BAI, Fengwu**, Scholar, Department of Chemical Engineering, May 26, 2003 - June 30, 2003.

**GUEDEA ELIZALDE, Federico**, Visiting Scholar, Department of Systems Design Engineering, September 1, 2003 - December 31, 2003.

**KAZEMEINI, Mohammad**, Scholar, Department of Chemical Engineering, September 1, 2003 - December 31, 2003.

**SHAHABADI, Mahmoud**, Assistant Professor, Department of Electrical & Computer Engineering, September 1, 2003 - August 31, 2005.

**YU, Bin**, Associate Professor, Department of Electrical & Computer Engineering, December 14, 2003 - December 31, 2003.

**Adjunct Appointments**

**ASTEBRO, Thomas M.**, Associate Professor, Department of Management Sciences, July 1, 2003 - August 31, 2006.

**BARTA, Gyorgy**, Professor, Department of Systems Design Engineering, July 1, 2003 - June 30, 2006.

**GOLAFSHANI, Ali R.**, Lecturer (part-time), Department of Electrical & Computer Engineering, September 1, 2003 - December 31, 2003.

**LIEBERMANN, George**, Professor, Department of Chemical Engineering, July 1, 2003 - June 30, 2005.

**PINDER, Shane D.**, Lecturer, Department of Mechanical Engineering, September 1, 2003 - December 31, 2003.

**SCHMIDTKE, Norbert, W.**, Professor, Department of Civil Engineering, July 1, 2003 - June 30, 2006.

**SUN, Jiping**, Assistant Professor, Department of Systems Design Engineering, June 1, 2003 - May 31, 2006.

**Adjunct Reappointments**

**AHMED, Maher**, Assistant Professor, Department of Systems Design Engineering, July 1, 2003 - June 30, 2006.

**BERCZI, Andrew**, Professor, Department of Management Sciences, September 1, 2003 - August 31, 2005.

**GERCHAK, Yigal**, Professor, Department of Management Sciences, September 1, 2003 - August 31, 2005.

**HUSEYIN, Koncay**, Professor (Distinguished Professor Emeritus), Department of Systems Design Engineering, July 1, 2003 - June 30, 2006.

**IYOGUN, Paul**, Professor, Department of Management Sciences, September 1, 2003 - August 31, 2005.

**MOO-YOUNG, Murray**, Professor (Distinguished Professor Emeritus), Department of Chemical Engineering, July 1, 2003 - June 30, 2007.

**RODRICKS, Larry**, Lecturer, Environmental Engineering, Department of Civil Engineering, September 1, 2003 - December 31, 2003.

**SRIVASTAVA, Narendra, K.**, Professor, Department of Civil Engineering, June 1, 2003 - May 31, 2005.

**Cross Re-Appointments**

**DUSSEAULT, Maurice**, Professor, Department of Earth Sciences, Faculty of Science to Department of Civil Engineering, Faculty of Engineering, July 1, 2003 - June 30, 2005.

**GORBET, Robert B.**, Assistant Professor, Department of Electrical & Computer Engineering to Mechanical Engineering, May 1, 2003 - April 30, 2006.

**KAMEL, Mohamed S.**, Professor, Department of Systems Design Engineering to Electrical & Computer Engineering, July 1, 2003 - June 30, 2006.

**KARRAY, Fakhri**, Professor, Department of Systems Design Engineering to Electrical & Computer Engineering, July 1, 2003 - June 30, 2006.

**MICHELA, John**, Associate Professor, Department of Psychology, Faculty of Arts to Management Science, Faculty of Engineering, September 1, 2003 - August 31, 2005.

**Sessionals**

**BEDI, Sanjeev**, Professor, Department of Mechanical Engineering, September 1, 2003 - December 31, 2003.

**PLUMTREE, Alan**, Professor, Department of Mechanical Engineering, September 1, 2003 - December 31, 2003.

**Changes in Appointments**

**MCPHEE, John J.**, Associate Chair of Undergraduate Studies, Department of Systems Design Engineering was September 1, 2003 - August 31, 2006 now September 1, 2003 - August 31, 2005.

**YAN, Hongzhi**, Visiting Professor, Department of Mechanical Engineering, was April 1, 2003 - March 31, 2004 changed to May 15, 2003 - March 31, 2004.

**Graduate Students appointed as Part-time Lecturers**

**HOYE, Kate**, Department of Management Sciences, September 1, 2003 - December 31, 2003.

**KHAJEHNASIRI, Amirreza**, Department of Electrical & Computer Engineering, June 13, 2003 - August 31, 2003.

**NGUYEN, Tam**, Department of Mechanical Engineering, September 1, 2003 - August 31, 2004.

**B. ADMINISTRATIVE APPOINTMENTS**

**HEUNIS, Andrew, J.**, Co-ordinator of Graduate Admissions and Recruitment, Department of Electrical & Computer Engineering, May 1, 2003 - April 30, 2005.

**HUISSOON, Jan**, Director of Mechatronics Engineering Program, Department of Mechanical Engineering, May 1, 2002 - April 30, 2005.

**SIVOTHTHAMAN, Siva**, Undergraduate Program Co-ordinator for Electrical Engineering, Department of Electrical & Computer Engineering, September 1, 2003 - August 31, 2004.

**THOMSON, Neil**, Associate Chair, Graduate Studies, Department of Civil Engineering, January 1, 2004 - December 31, 2006.

**ADMINISTRATIVE REAPPOINTMENTS**

**BUDMAN, Hector**, Associate Dean, Engineering Computing, Faculty of Engineering, September 1, 2003 - June 30, 2004.

**ISMAIL, Fathy**, Associate Chair of Graduate Studies, Department of Mechanical Engineering, January 1, 2004 - April 30, 2004.

**C. DEATHS**

**CHIKHANI, Aziz Y.A.**, Adjunct Professor, Department of Electrical & Computer Engineering, July 6, 2003.

**FOR APPROVAL BY THE BOARD OF GOVERNORS**

**D. SABBATICAL**

**BARBY, James**, Associate Professor, department of Electrical & Computer Engineering, September 1, 2003 - August 31, 2004, twelve months at 100% salary.

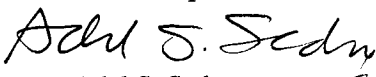
**BOOKBINDER, James H.**, Professor, Department of Management Sciences, September 1, 2003 - August 31, 2004, twelve months at 85% salary.

**CHAUDHURI, Sujeet**, Professor, Department of Electrical & Computer Engineering, January 1, 2004 - December 31, 2004, twelve months at 100% salary.

**YANG, En-Hui**, Professor, Department of Electrical & Computer Engineering, September 1, 2003 - August 31, 2004, twelve month at 85% salary.

**E. SPECIAL LEAVE**

**CHAUDHURI, Sujeet**, Professor, Department of Electrical & Computer Engineering, January 1, 2005 April 30, 2005, four months at 100% salary.



Adel S. Sedra  
Dean, Faculty of Engineering

UNIVERSITY OF WATERLOO  
REPORT OF THE DEAN FACULTY OF ENVIRONMENTAL STUDIES TO SENATE  
September 15, 2003

**For Information:**

**A. APPOINTMENTS**

**Probationary Term Reappointment**

**ANDRIGHETTI, Rick**, Assistant Professor, School of Architecture, July 1, 2003 to June 30, 2005 (B. Arch. University of Waterloo, 1984).

**Adjunct Appointments**

**BANERJI, Anupam**, (Professor Emeritus), Professor, School of Planning, June 1, 2003 to May 31, 2005.

**SURI, Sudhir**, Assistant Professor, School of Architecture, May 1, 2003 to August 31, 2003.

**Adjunct Reappointment**

**YOUNG, Steve**, Assistant Professor, Faculty of Environmental Studies, September 1, 2003 to December 31, 2003.

**Cross Appointments**

**KAY, Paul**, Associate Professor, Department of Environment and Resource Studies, cross-appointed to the Department of Geography, April 1, 2003 to March 31, 2006.

**MURPHY, Stephen**, Associate Professor, Department of Environment and Resource Studies, cross-appointed to the School of Planning, June 1, 2003 to June 30, 2006.

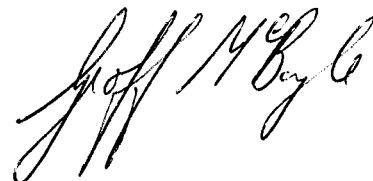
**Graduate Student Reappointed as a Part-Time Lecturer**

**WHITELAW, Graham**, Lecturer, Department of Environment and Resource Studies, September 1, 2003 to December 31, 2003.

**B. RETIREMENTS:**

**BANERJI, Anupam**, Professor, School of Planning, effective April 30, 2003.

**MARTIN, Larry**, Professor, School of Planning, effective June 30, 2003.



Geoff McBoyle  
Dean

**UNIVERSITY OF WATERLOO**  
**REPORT OF THE DEAN OF MATHEMATICS TO SENATE**  
**September 15, 2003**

**For information:**

**A. APPOINTMENTS**

***Tenured***

**KESHAV, Srinivasan** (BTech, 1986, Indian Institute of Technology, Delhi; PhD, 1991, Univ. of California at Berkeley), Associate Professor, School of Computer Science, August 1, 2003. Dr. Keshav was a member of technical staff at AT&T Bell Laboratories from 1991 to 1996, and an Associate Professor in the Computer Science Department at Cornell University from 1996 to 1999. He was co-founder of Ensim Corporation, and has been CTO of that company since 1998. Dr. Keshav's research interests are in the areas of distributed systems, network resource management, and internet infrastructure. He has published over 30 journal and conference papers and a textbook. He also holds 11 patents. Among his other awards and honours are the Sakrison Prize for the best Ph.D. dissertation in the EE&CS Department at Berkeley; Alfred P. Sloan Fellow in Computer Science, 1997 to 1999; and the Fiona Li '78 and Donald Li '75 Excellence in Teaching Award at Cornell University in 1998. Dr. Keshav's research, teaching and industrial experience will significantly enhance our strength in distributed systems. This area has had the highest recruiting priority for several years. We look forward to Dr. Keshav's research leadership in this area.

***New Probationary Term***

**TIAN, Weidong** (BS, 1984, Nanjing Normal Univ.; PhD, 1990, Beijing Normal Univ.; PhD, 1999, McGill Univ.), Associate Professor, Dept. of Statistics and Actuarial Science, August 1, 2003 – June 30, 2006. Dr. Tian held a position of Associate Professor at Academia Sinica in the People's Republic of China to 1994. After finishing his second doctoral degree, Dr. Weidong was a postdoctoral fellow in the Centre for Advanced Studies in Finance here at the University of Waterloo. Since leaving the Centre, Dr. Tian has held various posts in the North American financial industry, and he is currently employed as a Quant Manager at TD Securities in Toronto. Dr. Weidong's research interests are asset and derivative pricing, and quasi-Monte Carlo simulation. He is particularly interested in developing quantitative methods for pricing complex securities such as American and European options for financial assets. Dr. Tian's mathematical skills and his recent experience in the financial industry will add important diversity to the spectrum of research interests represented in the Department, particularly in the intersection of actuarial science and mathematical finance.

***Probationary Term Reappointments***

**BROWN, Daniel** (SB, 1995, Massachusetts Institute of Technology; MS, 1999; PhD, 2000, both from Cornell Univ.), Assistant Professor, School of Computer Science, July 1, 2003 – June 30, 2007. Dr. Brown's main research interests are in the areas of bioinformatics. He won an NSF Graduate Research Fellowship and his thesis was nominated for the ACM Dissertation Prize. He spent one year at the Whitehead Institute Centre for Genome Research at MIT before joining Waterloo. Dr. Brown fills an important role in our bioinformatics group.

**GUENIN, Bertrand** (Diploma in Computer Science, 1991, Swiss Federal Institute of Technology in Lausanne; MSc, 1994; PhD, 1998, both from Carnegie Mellon Univ.), Assistant Professor, Department of Combinatorics and Optimization, July 1, 2004 - June 30, 2006. Dr. Guenin is a graduate of the ACO (Algorithms, Combinatorics, and Optimization) doctoral program at CMU, which is a joint program of the Computer Science, Mathematics, and Industrial Administration Schools. He has held a visiting assistant professorship at Georgia Institute of Technology and a Marsden Postdoctoral Fellowship at the Fields Institute for Research in Mathematical Sciences. His thesis was awarded the 1999 Nicholson Prize of INFORMS, for the

best paper in Operations Research by a student. In his thesis he solved a famous twenty-year-old problem of Seymour for which he won the Tucker Prize of the Mathematical Programming Society for 2000. This prestigious prize is only awarded once every three years. Dr. Guenin's research is in combinatorial optimization, especially the connection between linear programming and combinatorial problems. During his first probationary term he wrote a set of course notes for CO 351, Network Flow Theory.

**KEMPF, Achim** (Diploma, 1989, Heidelberg Univ.; PhD, 1993, Karlsruhe Univ.), Associate Professor, Dept. of Applied Mathematics, August 1, 2004 – June 30, 2007. Dr. Kempf is an outstanding researcher in the field of mathematical physics. He has recently been awarded a Premier's Research Excellence Award. His work has applications in quantum theory, cosmology and digital signal processing, and will complement existing expertise within the Department. He is also collaborating with researchers in the Institute for Quantum Computation and in the Perimeter Institute.

**MANN, Richard** (BEng, 1988, MEng, 1990, both from McMaster Univ.; PhD, 1998, Univ. of Toronto), Assistant Professor, School of Computer Science, July 1, 2003 – June 30, 2005. Dr. Mann's main research interests are in the areas of perception and computational vision. He was the first to show that it is possible to extract simple physical descriptions of motion directly from video sequences. This research has a wide range of potential applications, including surveillance, human-computer interaction, and robotics. Dr. Mann's work bridges the gap between computational vision and traditional approaches to artificial intelligence.

**MISKOVIC, Zoran** (BSc, 1981, MSc, 1985, PhD, 1991 all from the Univ. of Belgrade, Yugoslavia), Associate Professor, Dept. of Applied Mathematics, July 1, 2004 – June 30, 2007. Dr. Miskovic is an outstanding researcher in the area of mathematical physics, with emphasis on the properties of condensed matter. His work has applications in the area of materials science. His presence strengthens existing expertise in quantum theory in the Department, and it is anticipated that he will continue to collaborate with researchers in the Faculty of Science. Dr. Miskovic has extensive undergraduate teaching experience and has excellent teaching credentials.

#### **New Definite Term -- full-time**

**BROWN, David** (HBS, 1986, Wilfrid Laurier Univ.; MMath, 2002, Univ. of Waterloo), Lecturer, School of Computer Science, September 1, 2003 – August 31, 2004. Mr. Brown will be teaching six courses during his term as lecturer as well as participate in school administration and scholarly pursuits.

**XU, Jinbo** (BSc, 1996, Univ. of Science and Technology, Hefei; MSc, 1999, Institute of Computing Technology, Chinese Academy of Sciences, Beijing; PhD, 2003 (expected), Univ. of Waterloo), Research Assistant Professor, School of Computer Science, September 1, 2003 – August 31, 2004. Mr. Xu will collaborate on research with Professor Ming Li and other members of the School of Computer Science.

#### **Definite Term -- Reappointment -- full-time**

**RICE, Larry** (BSc, 1953, Univ. of Manitoba; MSc, 1965, PhD, 1967 both from McGill Univ.), Lecturer, Dean's Office, September 1, 2003 – August 31, 2004. Dr. Rice is a retired high school mathematics teacher, whose duties will include the preparation and editing of contest materials, preparing materials for the web tests and setting up the Grade 5/6 contests.

#### **Visiting Appointments**

**ABOU-ASSALEH, Tony** (Dalhousie Univ.), Visiting Scholar, School of Computer Science, September 1, 2003 – December 31, 2003.

**LHOTAK, Ondrej**, Visiting Scholar, School of Computer Science, July 1, 2003 – August 31, 2004.

**Adjunct Appointments**

**ACZEL, Janos**, Distinguished Professor Emeritus, Dept. of Pure Mathematics, September 1, 2003 – August 31, 2008.

**BAKER, John**, Professor Emeritus, Dept. of Pure Mathematics, September 1, 2003 – August 31, 2006.

**CHAPMAN, Frederick**, Lecturer, Dept. of Applied Mathematics, September 1, 2003 – April 30, 2004.

**KANNAPPAN, Palaniappan**, Professor Emeritus, Dept. of Pure Mathematics, May 1, 2003 – April 30, 2006.

**KEARNEY, Paul**, (Caprion Pharmaceutical Ltd.), Assistant Professor, School of Computer Science, July 1, 2003 – June 30, 2006.

**MITCHELL, Ross** (Seaman Family MR Research Center), Professor, Dept. of Applied Mathematics, September 1, 2003 – August 31, 2006.

**Adjunct Reappointments**

**CARLI, Enzo**, Lecturer, Dean's Office, September 1, 2003 – August 31, 2004.

**DE ALBA, Enrique** (Estadisa y Matematicas, Mexico), Professor, Dept. of Statistics and Actuarial Science, July 1, 2003 – June 30, 2006.

**DEWDNEY, Kee**, Professor, School of Computer Science, July 1, 2003 – June 30, 2004.

**HIU, Grafton** (The Hong Kong Univ. of Science & Technology), Professor, Dept. of Applied Mathematics, September 1, 2003 – August 31, 2006.

**KOU, Tian**, Lecturer, School of Computer Science, September 1, 2003 – December 31, 2003.

**MIAO, Tianxuan** (Lakehead Univ.), Associate Professor, Dept. of Pure Mathematics, September 1, 2003 – August 31, 2006.

**MINKE, Douglas**, Lecturer, School of Computer Science, September 1, 2003 – December 31, 2003.

**MOHAPLOVA, Dana**, Lecturer, School of Computer Science, September 1, 2003 – December 31, 2003.

**SAFAYENI, Suzanne**, Lecturer, School of Computer Science, September 1, 2003 – December 31, 2003.

**SHPIGEL, Miron**, Lecturer, Dept. of Pure Mathematics, September 1, 2003 – December 31, 2003.

**SKALA, Lubomir** (Charles Univ.), Professor, Dept. of Applied Mathematics, September 1, 2003 – August 31, 2006.

**SPIGEL, Yafim**, Lecturer, Dept. of Pure Mathematics, September 1, 2003 – December 31, 2003.

**SPIELMACHER, Mark**, Lecturer, Dean's Office, September 1, 2003 – August 31, 2004.

**SWITZER, David**, Lecturer, School of Computer Science, September 1, 2003 – December 31, 2003.

**ZAMASTIL, Jaroslav** (Charles Univ.), Assistant Professor, Dept. of Applied Mathematics, September 1, 2003 – August 31, 2006.

**Cross Appointments**

**MENEZES, Alfred** (Professor, Dept. of Combinatorics and Optimization), in the School of Computer Science, May 1, 2003 – April 30, 2006.

**NAYAK, Ashwin** (Assistant Professor, Dept. of Combinatorics and Optimization), in the School of Computer Science, September 1, 2003 – August 31, 2006.

**ZHU, Mu** (Assistant Professor, Dept. of Statistics and Actuarial Science), in the School of Computer Science, September 1, 2003 – August 31, 2006.

**Cross Reappointments**

**WIRJANTO, Tony**, (Associate Professor, Economics), in the Dept. of Statistics and Actuarial Science, October 1, 2003 – June 30, 2006.

**Graduate Students reappointed as Part-time Lecturers**

**KWOK, Michael**, School of Computer Science, January 1, 2004 – April 30, 2004.

**LUSHMAN, Bradley**, School of Computer Science, January 1, 2004 – April 30, 2004.

**NEWMAN, Michael**, Dept. of Combinatorics and Optimization, September 1, 2003 – December 31, 2003.

**WILLIAMS, Aaron**, Dept. of Combinatorics and Optimization, September 1, 2003 – December 31, 2003.

**Postdoctoral Fellows appointed as Part-time Lecturers**

**BOHER, Jean-Marie**, Dept. of Statistics and Actuarial Science, October 1, 2003 – September 30, 2004.

**MOHANTY, Parasar**, Dept. of Pure Mathematics, September 1, 2003 – August 31, 2004.

**PODDAR, Mainik**, Dept. of Pure Mathematics, September 1, 2003 – August 31, 2005.

**SALAVATIPOUR, Mohammad**, Dept. of Combinatorics and Optimization, September 1, 2003 – August 31, 2004.

**B. ADMINISTRATIVE APPOINTMENTS**

**CHEN, Jiahua**, Associate Chair for Graduate Studies, Dept. of Statistics and Actuarial Science, September 1, 2003 – August 31, 2005.

**GOULDEN, Ian**, Associate Chair for Graduate Studies, Dept. of Combinatorics and Optimization, July 1, 2003 – June 30, 2006.

**LAWRENCE, John**, Associate Chair for Undergraduate Studies, Dept. of Pure Mathematics, July 1, 2003 – August 31, 2004.

***ADMINISTRATIVE REAPPOINTMENTS***

**HARDY, Mary**, Associate Chair for Actuarial Science, Dept. of Statistics and Actuarial Science, July 1, 2003 – June 30, 2006.

**WILLARD, Ross**, Director, First Year Studies, Dean's Office, July 1, 2003 – June 30, 2004.

**C. *RETIREMENT***

**TANG, Francis**, Professor, Dept. of Pure Mathematics, August 31, 2003.

**D. *DEATHS***

**HJALTASON, Gisli**, Assistant Professor, School of Computer Science, June 19, 2003.

**E. *SABBATICAL***

***FOR APPROVAL BY THE BOARD OF GOVERNORS***

**GODFREY, Michael**, Assistant Professor, School of Computer Science, September 1, 2003 – August 31, 2004 at 85% salary.


**F. *SPECIAL LEAVE***

***FOR APPROVAL BY THE BOARD OF GOVERNORS***

**DICKEY, Leroy**, Professor, Dept. of Pure Mathematics, November 1, 2003 – April 30, 2004 at 100% salary. This is a special leave to retirement.

**McLENAGHAN, Raymond**, Professor, Dept. of Applied Mathematics, March 1, 2003 – August 31, 2004 at 85% salary. This is a special leave to retirement.

**SCHUURMANS, Dale**, Associate Professor, School of Computer Science, September 1, 2003 – August 31, 2004. This is an unpaid leave.



Alan George  
Dean

**UNIVERSITY OF WATERLOO**  
**REPORT OF THE DEAN OF SCIENCE TO SENATE**  
**September 15, 2003**

**For information:**

**A. *APPOINTMENTS***

***New Probationary Term***

**EVANS, Stephen G.**, Professor, Department of Earth Sciences, October 1, 2003 to June 30, 2006. [B.Sc., University of London, King's College (1969); M.A., University of British Columbia (1976); M.Sc., D.I.C., University of London (1977); Ph.D., University of Alberta (1983).] Dr. Evans will be filling a position in the area of Geological Engineering. Dr. Evans comes from a background in basic and applied research with the Geological Survey of Canada. At Waterloo, Dr. Evans will continue his internationally recognized research into the geological engineering of landslides and related geological hazards/risks within Waterloo's major research area of environment. He will interact with colleagues in Earth Sciences and Civil Engineering. He will teach in the Geological Engineering Program.

**HILL, Robert W.**, Assistant Professor, Department of Physics, September 1, 2003 to June 30, 2006. [B.Sc., University of Bristol (1991); Ph.D., University of Bristol (1996).] After completing his Ph.D., Dr. Hill was a postdoctoral fellow in the Physics Department at the University of Toronto. Dr. Hill has made path-breaking discoveries in low-temperature physics that are already having impact worldwide. Dr. Hill's research in the area of condensed matter physics will fit well with others in the Department of Physics and will help to firmly establish world-class research in low-temperature physics at Waterloo.

**SINGER, Thomas D.**, Assistant Professor, School of Optometry, September 1, 2003 to June 30, 2006. [B.Sc., University of Guelph (1987); M.Sc., University of Guelph (1990); Ph.D., University of Toronto (1994); D.Phil., University of Oxford (1997).] Dr. Singer has been hired in conjunction with the NSERC Chair awarded to Dr. Jacob Sivak. Dr. Singer is a molecular biologist who will be developing a research programme that will utilize the fish eye/lens as a model to understand the impact of stressors including uv, osmotic stress and toxicants on vision.

***Probationary Term***

**MÜLLER, Kirsten M.**, Assistant Professor, Department of Biology, September 1, 2004 to June 30 2006. [B.Sc., Memorial University (1995); Ph.D., University of Guelph (1999).]

***Definite Term - Appointment – full-time***

**BUTLER, Barbara J.**, Lecturer, Department of Biology, August 1, 2003 to July 31, 2006. [B.Sc., University of Waterloo (1977); M.Sc., University of Waterloo (1980); Ph.D., University of Waterloo (1985).] Dr. Butler is an Environmental and Food Microbiologist with extensive research and teaching experience. She has previously taught courses in Applied Microbiology, Industrial Microbiology, Food Microbiology, Microbial Ecology, Microbial Physiology and Environmental Microbiology. She will be responsible for teaching courses in Applied Microbiology, Food Microbiology, Microbial Ecology and Environmental Microbiology, and she will serve as an Undergraduate Advisor for Biology students.

**COOPER, Susan**, Lecturer, School of Optometry, May 1, 2003 to April 30, 2004. [O.D., University of Waterloo (1977).] Dr. Cooper's position was made available from a grant provided by the College of Optometrists of Ontario. Dr. Cooper will be developing a training programme here at the University of Waterloo that will bridge groups of internationally trained optometrists in order that they can become eligible for licensure by the College of Optometrists of Ontario.

**DUPONT, Christine**, Lecturer, Department of Biology, July 1, 2003 to June 30, 2006. [B.Sc., University of Guelph (1984); M.Sc., University of Guelph (1988); B.Ed., University of Windsor (1990); Ph.D., Massey University, New Zealand (2002).] Dr. Dupont is a Molecular Microbiologist who has considerable research experience in the development of vaccines against animal viruses, and also has extensive teaching experience teaching Biology and Chemistry at the high school level in Guelph. She will be responsible for teaching courses in Genetics, Molecular Biotechnology, Virology and Microorganisms and Disease, and she will serve as an Undergraduate Advisor for Biology Students.

**ZALKA, Christof**, Research Assistant Professor, Department of Physics, August 1, 2003 to July 31, 2006. [Diploma in Theoretical Physics, University of Bern (1992); Ph.D., University of Bern (1995).] Dr. Zalka received his diploma in theoretical physics (general relativity theory) and his Ph.D. in theoretical physics (elementary particle phenomenology). Since leaving the University of Bern, he has done research as a postdoctoral fellow in quantum computing in Los Alamos, USA, in Turin, Italy and in the Department of Combinatorics and Optimization, University of Waterloo. Dr. Zalka's interest in the foundations of the field of quantum information and of its applications will be a great asset for the University. He will strengthen and complement the research activities already in progress at the Institute for Quantum Computing and Perimeter Institute for Theoretical Physics.

#### *Visiting Appointments*

**GU, Wu**, Scientist, Department of Earth Sciences, May 1, 2003 to September 30, 2003.

**NAVIDPOUR, Latifeh**, Scientist, Department of Chemistry, July 14, 2003 to January 13, 2004.

**SONG, Lizhong**, Scientist, Department of Earth Sciences, May 1, 2003 to September 30, 2003.

**TANG, Zhenxing**, Scientist, Department of Earth Sciences, May 1, 2003 to September 30, 2003.

**WANG, Lanlan**, Scientist, Department of Earth Sciences, May 1, 2003 to September 30, 2003.

**WEI, Zhiping**, Scientist, Department of Earth Sciences, May 1, 2003 to April 30, 2004.

**ZHANG, Jinshan**, Scientist, Department of Earth Sciences, May 1, 2003 to April 30, 2004.

#### *Adjunct Appointments*

**BLOXAM, Robert M.**, Professor, Department of Chemistry, July 1, 2003 to August 31, 2006.

**FREIDEL, Laurent**, Associate Professor, Department of Physics, June 30, 2003 to May 31, 2006.

**GOTTESMAN, Daniel**, Lecturer, Department of Physics, May 1, 2003 to April 30, 2006.

**HEAMAN, Larry M.**, Professor, Department of Earth Sciences, May 1, 2003 to April 30, 2006.

**JANTZI, John D.**, Lecturer, School of Optometry, August 1, 2003 to July 31, 2006.

**KLEE, Ulysses**, Lecturer, Department of Biology, September 1, 2003 to December 31, 2003.

**WASSENAAR, Leonard**, Associate Professor, Department of Earth Sciences, May 1, 2003 to April 30, 2006.

**Adjunct Reappointments**

**ECKEL, Leonard**, Lecturer, Faculty of Science, September 1, 2003 to December 31, 2003.

**MAGUIRE, R. James**, Professor, Department of Biology, July 1, 2003 to June 30, 2006.

**PATHRIA, Raj K.**, (Professor Emeritus), Professor, Department of Physics, September 1, 2003 to August 31, 2006.

**RICHARDSON, Neil**, Lecturer, Faculty of Science, September 1, 2003 to December 31, 2003.

**TUMKUR, Nag Raj**, (Professor Emeritus), Professor, Department of Biology, April 1, 2003 to March 31, 2006.

**WOOD, Larry**, Lecturer, Faculty of Science, September 1, 2003 to December 31, 2003.

**Cross Appointments**

**SENCZYNA, Michelle**, Associate Professor, School of Optometry cross appointed to Department of Biology, July 1, 2003 to June 30, 2005.

**Staff Reappointments to Faculty**

**TAYLOR, Nicholas J.**, Professor, Department of Chemistry, September 1, 2003 to August 31, 2004.

**Changes in Appointments**

**FANG, Xiangdong**, Assistant Professor, Department of Chemistry, start date changed from July 1, 2003 to September 1, 2003, end date remains as June 30, 2006.

**UNGER, André J.A.**, Assistant Professor, Department of Earth Sciences, start date changed from July 1, 2003 to August 1, 2003, end date remains as June 30, 2006.

**WOLFE, Brent**, Research Assistant Professor, Department of Earth Sciences, appointment date changed from April 1, 2001 to March 31, 2004 to July 1, 2002 to June 30, 2007. The change in dates is concurrent with his appointment as a Canada Northern Research Chair.

**Graduate Students appointed as Part-time Lecturers**

**MOHAMED, Mohamed N.**, Lecturer, Department of Biology, September 1, 2003 to December 31, 2003.

**B. ADMINISTRATIVE APPOINTMENTS**

**JONES, Deborah**, Clinic Director, School of Optometry, July 1, 2003 to June 30, 2006.

**ADMINISTRATIVE REAPPOINTMENTS**

**BLOWES, David W.**, Associate Chair, Department of Earth Sciences, August 1, 2003 to December 31, 2003.

**C. RETIREMENTS**

**DUTHIE, Hamish**, Professor, Department of Biology, effective September 1, 2003.

**TORRIE, Bruce**, Professor, Department of Physics, effective July 1, 2003.

**VETHAMANY-GLOBUS, Swani**, Associate Professor, Department of Biology, effective July 1, 2003.

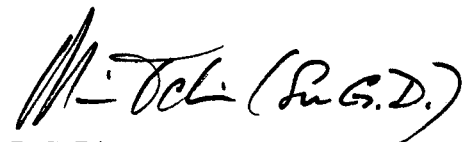
**TO BE APPROVED BY THE BOARD OF GOVERNORS**

**D. SABBATICALS**

**GUILLEMETTE, Guy**, Associate Professor, Department of Chemistry, September 1, 2003 to August 31, 2004, full salary.

**SPAFFORD, Marlee M.**, Associate Professor, School of Optometry, January 1, 2004 to December 31, 2004, full salary.

DGD\lw



D.G. Dixon  
Dean

**UNIVERSITY OF WATERLOO**  
**REPORT OF RENISON COLLEGE TO SENATE**  
**6 August 2003**

For Information:

**A. Appointments**

Definite Term - Part-time – Adjunct Assistant Professors

Bea Abbott, Adjunct Assistant Professor of Social Work, September 1, 2003 to December 31, 2003.

Beverley Bell-Rowbotham, Adjunct Assistant Professor of Interdisciplinary Studies, September 1, 2003 to December 31, 2003.

Judi Jewinski, Adjunct Assistant Professor of English, September 1, 2003 to December 31, 2003.

Akiko Maruoka, Adjunct Assistant Professor of Japanese, September 1, 2003 to December 31, 2003.

Dale Payne, Adjunct Assistant Professor of Social Work, September 1, 2003 to December 31, 2003.

Merilyn Thompson, Adjunct Assistant Professor of Social Work, September 1, 2003 to December 31, 2003.

Definite Term - Part-time - Lecturers

Jon Boyd, Lecturer in Social Work, September 1, 2003 to December 31, 2003.

Sandra Campbell, Lecturer in Social Work, September 1, 2003 to December 31, 2003.

Deborah Clark, Lecturer in Social Work, September 1, 2003 to December 31, 2003.

Paul Derry, Lecturer in Psychology, September 1, 2003 to December 31, 2003.

Richard Ennis, Lecturer in Psychology, September 1, 2003 to 31 December, 2003.

Rick Finch, Lecturer in Social Work, September 1, 2003 to December 31, 2003.

Susan Hodges Bryant, Lecturer in English, September 1, 2003 to December 31, 2003.

Doris Jakobsh, Lecturer in Religious Studies, September 1, 2003 to December 31, 2003.

Young Gon Kim, Lecturer in Korean and East Asian Studies, September 1, 2003 to December 31, 2003.

Yan Li, Lecturer in Chinese and East Asian Studies, September 1, 2003 to December 31, 2003.

Elin Moorlag, Lecturer in Interdisciplinary Social Studies, September 1, 2003 to December 31, 2003.

Richard Parker, Lecturer in Social Work, September 1, 2003 to December 31, 2003.

Pat Skinner, Lecturer in English, September 1, 2003 to December 31, 2003.

Fumie Shimoda, Lecturer in Japanese, September 1, 2003 to December 31, 2003.

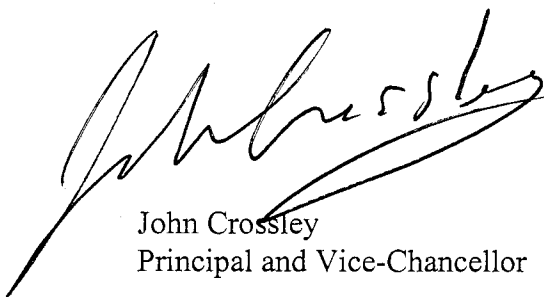
Jacqui Smyth, Lecturer in English, September 1, 2003 to December 31, 2003.

Barbara Swartzentruber, Lecturer in Social Work, September 1, 2003 to December 31, 2003.

Victor Ujimoto, Lecturer in East Asian Studies, September 1, 2003 to December 31, 2003.

John Vardon, Lecturer in English, September 1, 2003 to December 31, 2003.

Sufeng Xu, Lecturer in Chinese, September 1, 2003 to December 31, 2003.



John Crossley  
Principal and Vice-Chancellor

UNIVERSITY OF WATERLOO  
REPORT OF ST. JEROME'S UNIVERSITY TO SENATE  
SEPTEMBER 15, 2003

For Information:

A. Definite Term Contracts - Part time:

**Catherine Briggs**, Assistant Professor of History, September 1, 2003 to December 31, 2003.

**Brenda Cantar**, Assistant Professor of English, September 1, 2003 to April 30, 2004.

**Carmela Colella**, Assistant Profess of Italian, September 1, 2003 to April 30, 2004.

**Joe DeCesare**, Lecturer in Mathematics, September 1, 2003 to December 31, 2003.

**Augie Fleras**, Assistant Professor of Sociology, September 1, 2003 to December 31, 2003.

**Nadine Gingrich**, Lecturer in English, September 1, 2003 to December 31, 2003.

**Shannon Hartling**, Lecturer in English, September 1, 2003 to April 30, 2004.

**Kerry Lappin-Fortin**, Assistant Professor of French, September 1, 2003 to April 30, 2004.

**Paul Lavigne**, Lecturer in History, September 1, 2003 to December 31, 2003.

**Debra Nash-Chambers**, Assistant Professor of History, September 1, 2003 to December 31, 2003.

**Geoffrey Navara**, Lecturer in Sexuality, Marriage and the Family, September 1, 2003 to December 31, 2003.

**Timothy Paci**, Lecturer and Workshop Leader in English, September 1, 2003 to December 31, 2003.

**Derek Phillips**, Lecturer in Computer Science, September 1, 2003 to December 31, 2003.

**Fred Scinto, C.R.**, Lecturer in Religious Studies, September 1, 2003 to December 31, 2003.

**Mark Wallin**, Lecturer in English, September 1, 2003 to December 31, 2003.

**Jason West**, Lecturer in Philosophy, July 1, 2003 to June 30, 2004.

**Pat Zettel**, Assistant Professor of English, September 1, 2003 to April 30, 2004.

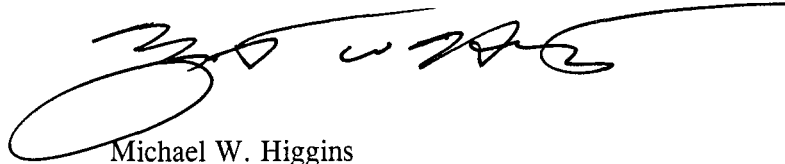
B. Tenure Appointments:

**Chris Burris**, Associate Professor of Psychology, effective July 1, 2003.

**Conrad Hewitt**, Associate Professor of Mathematics, effective July 1, 2003.

**Cristina Vanin**, Associate Professor of Religious Studies, effective July 1, 2003.

MWH:rt

A handwritten signature in black ink, appearing to read "Michael W. Higgins", with a large, stylized flourish at the end.

Michael W. Higgins  
President and Vice Chancellor