

Senate
Senate Chamber
Room 245 Engineering Building
WEDNESDAY, August 16, 2000
1:30 p.m.

AGENDA

I MATTERS TO BE CONSIDERED IN CLOSED SESSION

II MATTERS RECOMMENDED FOR CONCURRENCE WITHOUT DEBATE

1. Report of the Senate
Committee on Medical Qualifications:
Dr. Raquel Consunji-Araneta Page 17
2. Report of the Senate
Committee on Medical Qualifications:
Dr. F. J. A. Vernimmen Page 31

III MATTERS FORWARDED FOR INFORMATION

1. Actions of the Board of Governors
of Interest to Senate Page 40
2. The Ethics of Research Involving Human Subjects Page 42
3. Report of the Senate Committee on Awards Page 60
4. Statement of Intent: M.Sc. in Management Page 74
5. Report on Research Contracts
Received January 1, 2000 - June 30, 2000 Page 79
6. Health Administration Stream
in the Part-time MBA Program Page 91
7. Correspondence re Program Proposals from
Council on Post-Secondary Education Page 95

IV REPORT OF THE PRESIDENT

V QUESTION PERIOD

Senators are reminded that questions shall normally be submitted in writing to the University Secretary no later than 10:00 a.m. of the day preceding the meeting.

VI CONSIDERATION OF THE MINUTES OF THE MEETING OF JUNE 28, 2000

VII BUSINESS ARISING FROM THE MINUTES

VIII REPORTS OF THE SENATE EXECUTIVE COMMITTEE AND THE SENATE PLANNING AND PRIORITIES COMMITTEE

1. **Report of the Senate Executive Committee** **Page 97**
2. **Report of the Senate Planning and Priorities Committee**

The Chair will make an oral report on the Committee's activities.

IX REPORTS OF OTHER COMMITTEES OF SENATE, FACULTY AND SCHOOL COUNCILS

- | | | |
|----|---|-----------------|
| 1. | Report of the Faculty
Council of Graduate Studies
re Designated Length
of <u>M.Sc. in Rehabilitation Program</u> | Page 98 |
| | a) Report of the Senate
 <u>Planning and Priorities Committee</u> | Page 104 |
| 2. | Proposal to Establish
a Chair in Telecommunications | Page 105 |

X ADDITIONAL BUSINESS

XI ADJOURNMENT

/sgp



THE UNIVERSITY OF MANITOBA

17

FACULTY OF MEDICINE
Office of the Dean

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Winnipeg, Manitoba
Canada R3E 0W3

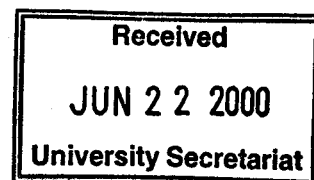
Tel: (204) 789-3557
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June 20, 2000

TO: Ms. Bev Sawicki
University Secretary

FROM: G. Bristow, M.D. *G. Bristow*
Associate Dean (Academic)

RE: SCMQ - Dr. Raquel Consunji-Araneta



At its meeting on June 19, 2000, the Senate Committee on Medical Qualifications (SCMQ) considered the abovenamed physician's eligibility for registration and licensure with the College of Physicians and Surgeons of Manitoba under Section 64 of the Medical Act.

Dr. Consunji-Araneta is being recruited, by Dr. M. Moffatt, Professor and Head, Department of Pediatrics and Child Health, as a full time pediatric respirologist. Following her graduation from Medicine, internship and pediatric specialty training in the Philippines, she undertook two years of Pediatric Respiratory training at the Children's Centre, Health Sciences Centre, under Drs. V. Chernick and H. Pasterkamp (1992-1994).

In attendance at the SCMQ meeting were:

Dr. G. Bristow, Chair
Professor K. Ogden
Dr. S. Barakat
Dr. W. Pope
Dr. A. Chochoniv

After considerable discussion and considering Dr. Consunji-Araneta's C.V., letters of reference, enclosed, and consideration of a personal meeting held between Dr. Consunji-Araneta and the Chairman of the SCMQ on April 27, 2000, it was unanimously approved that Dr. Consunji-Araneta be recommended for licensure and registration under Section 64 of the Medical Act and the Senate be so notified.

With respect to specialty recognition under Section 12(2), it was felt that support of the Committee could not be given at this time, but may well be appropriate following a period of observation once she is in her position at the Children's Centre.

Copy to: Dr. M. Moffatt

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the report to Senate.

which cater to charity patients.

Research output has been regular. Together with the Fellows in Training, the Section has been able to present and participate almost yearly in international conventions.

An adult pulmonary physician together with an adult neurologist run the hospital's Sleep Laboratory, so with regards sleep medicine, my participation in this field has been minimal and limited to a few of my own pediatric patients. The ENT physicians handle bronchoscopy here, though one other pediatric pulmonologist also performs the procedure because she has her own flexible bronchoscope.

I wrote the MCCEE (part I) in 1992.

I enclose my curriculum vitae for your perusal.

Thank you.

Sincerely,

Raquel Consunji-Araneta, MD, FCCP

Rm. 130 First Floor Wing, Makati Medical Center, Amorsolo Street, Makati City, Philippines 1200

araneta@impactnet.com

Raquel Consunji-Araneta

CURRICULUM VITAE

PERSONAL INFORMATION

Date of birth 23 May 1960

Citizenship Filipino

Civil status married

Number of children

three

Name of spouse Jose Alberto Araneta Occupation Physician

Home address 19 Acacia Street, Monte Vista Subdivision, Marikina,
Philippines 1800

Home phone number (63-2) 933 - 8969

Work address Rm. 130 First Floor Wing, Makati Medical Center,
Amorsolo Street, Makati City

Work phone number (63-2) 815 - 9911 local 2130

Work fax number (6-32) 840 - 4080

Email address araneta@impactnet.com

EDUCATIONAL BACKGROUND / PROFESSIONAL TRAINING

Pre-Collegiate Maryknoll College 1965-1974; 1975-1976

St. Scholastica s Academy 1974-1975; 1976-1977

Pre-Medical University of the Philippines, Quezon City

Degrees obtained AB Philosophy 1977-1980

BS Biology 1980-1981

Medical University of the East, Ramon Magsaysay Memorial Medical
Center

Degree obtained Doctor of Medicine 1981-1985

Internship Makati Medical Center, rotating internship 1985-1986

Licensure Licensed Physician December 10, 1986
 Professional Regulation Commission No. 61255
 Republic of the Philippines

Residency Makati Medical Center, General Pediatrics 1987-1990
 Chief Resident 1990-1991
 Training Officer Dr. Luis M Rivera

Fellowship University of Manitoba, Health Sciences Centre,
 Winnipeg, Manitoba, Canada

 Pediatric Respiriology 1992-1994
 Section Head Dr. Victor Chernick

BOARD CERTIFICATION

Specialty Board, Pediatrics (Philippines) 1992
Sub-Specialty Board, Pediatric Pulmonology (Philippines) 1995

Page 2 Raquel Consunji-Araneta, MD (curriculum vitae)

PROFESSIONAL AFFILIATION

Member, Makati Medical Society (component society of the Philippine Medical Association)

Diplomate, Philippine Pediatric Society

Diplomate, Philippine Academy of Pediatric Pulmonologists

Fellow, American College of Chest Physicians

Member, International Union Against Tuberculosis and Lung Disease

WORK AFFILIATION

1991-1992 Associate Visiting Consultant, Pediatrics, Makati Medical Center

Consultant in General Pediatrics, Family MedCare Clinic (HMO)

Consultant in General Pediatrics, MaxiCare Clinic (HMO)

Consultant in General Pediatrics, ICare Clinic (HMO)

1994- present Consultant in Pediatric Pulmonology, Department of Pediatrics

Makati Medical Center

Consultant in Pediatric Pulmonology, Pulmonary Laboratory

Makati Medical Center

1995 1997 Consultant in Pediatric Pulmonology, Department of Pediatrics, San Juan Medical Center

RESEARCH WORK

A Benign Birthmark: Clue to the Sturge-Weber Syndrome (case)

Observations regarding the treatment of childhood asthma at the Makati Medical Center

Blastomycosis in a healthy adolescent presenting as a breast abscess (case)

The spectrum of bronchopulmonary malformations (abstract)

Acoustic mapping of lung sounds during bronchial provocation, Hans Pasterkamp, Raquel Consunji-Araneta, Yuns Oh, Jessica Holbrow, (Scientific poster presentation, 59th Annual International Scientific Assembly, ACCP,

Orlando, FL, USA, October 25 28, 1993)

Page 3 Raquel Consunji-Araneta, MD (curriculum vitae)

Chest Surface mapping of lung sounds during bronchial provocation, Hans Pasterkamp, Raquel Consunji-Araneta, Yuns Oh, Jessica Holbrow, (Scientific poster presentation, 1994 ALA/ATS International Conference, Boston, Massachusetts, USA, May 22 25, 1994)

Bilateral asymmetry of respiratory sounds at the chest wall, Hans Pasterkamp, Raquel Consunji-Araneta, Yuns Oh, (Scientific poster presentation, 1995 ALA/ATS International Conference, Seattle, Washington, USA, May 23 26, 1995)

Asymptomatic intrathoracic mass in a 7-year old boy with undescended testes, Ma. Rosario Alcaneses, Raquel Consunji-Araneta, (Case presentation, Affiliates Forum: XVIII World Congress on Disease of the Chest and CHEST 1996, 62nd Annual International Scientific Assembly, ACCP, San Francisco, CA, USA, October 27 31, 1996)

Review of Pediatric Asthma Management, Ma. Rosario Alcaneses, Raquel Consunji-Araneta, (Scientific poster presentation, International Paediatric Respiratory and Allergy Forum, Sydney, Australia, March 16 10, 1997)

Chest surface mapping of lung sounds during methacholine challenge, Hans Pasterkamp, Raquel Consunji-Araneta, Yuns Oh, Jessica Holbrow, Journal of Pediatric Pulmonology, Vol. 23, No. 1, January 1997

Factors influencing PPD Mantoux reactions in asymptomatic children screened for primary tuberculosis, Ma. Rosario Alcaneses, Nephthalie Ordonez, Raquel Consunji-Araneta, Luis Rivera, (Scientific poster presentation, XIX World Congress on Disease of the Chest and CHEST 1998, 64th Annual International Scientific Assembly, ACCP, Toronto, Ontario, November 8-11, 1998)

Hans Pasterkamp, MD, FRCPC
Professor & Head, Section of Respiriology
Dept. of Pediatrics and Child Health
University of Manitoba

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Winnipeg, MB, R3A 1S1
Canada
Tel: (204) 787-4753
Fax: (204) 787-1944
e-mail: H_Pasterkamp@UManitoba.ca



April 3, 2000

Dr. Michael E.K. Moffat
Professor & Head
Pediatrics & Child Health
Room CE 208
Children's Hospital

Dear Dr. Moffatt

DR. RAQUEL CONSUNJI-ARANETA

It is my pleasure to write in support of Dr. Raquel Consunji-Araneta's application for the position of Pediatric Pulmonologist at the Department of Pediatrics and Child Health, University of Manitoba. I first met Dr. Consunji-Araneta at international conferences on pulmonary medicine several years before she joined our Section as a Fellow in 1992. During her fellowship I worked closely with Dr. Consunji-Araneta, both in the clinical and in the research areas. Raquel impressed me as a highly skilled and careful clinician who had an excellent relationship with children, parents and care givers as well as with colleagues and co-workers on our team. She has extensive knowledge in pediatric respiratory medicine and a rational, efficient approach to clinical problems.

In research she took on a lengthy and difficult project, aimed at the understanding and diagnostic use of regional respiratory sound changes during induced airway narrowing. She showed exceptional dedication and meticulous attention to the details of this project which was presented at international meetings and published in 1997. Raquel had persisted through several setbacks in this investigation which ultimately proved that respiratory sounds are highly sensitive to changes in airway caliber. Since her return to the Philippines in 1994, Dr. Consunji-Araneta has maintained an involvement in research activities even though her work is dominated by extensive commitments to clinical pulmonary medicine.

During her stay with us, Raquel had also participated in the education of students and residents. Her perfect command of the English language, her clear and analytical thinking and her joy of teaching were most obvious during these sessions. Her broad expertise in clinical pediatric pulmonary medicine would make her a valuable educator in our Department.

...../2



Hans Pasterkamp,
Professor

Victor Chernick,
Professor

Regina Rempel,
Associate Professor

Raj Kumar, MD,
Assistant Professor

Marilyn Lowe, BSc,
Nurse Clinician

Karen Wachnian,
Nurse Clinician



Children's Hospital
Winnipeg

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Room C5512
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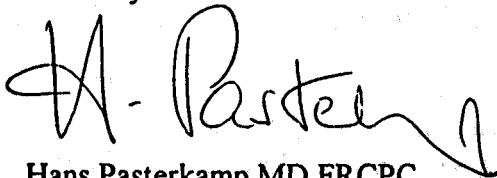
Page 2

Dr. Michael E.K. Moffatt

RE: Dr. R. Consunji-Araneta

I have no doubt that Raquel will function very well as a Pediatric Pulmonologist in our Section. With initial guidance and connected to a research team, Dr. Consunji-Araneta should also do very well in clinical respiratory research. She would find areas of her interest, e.g. in childhood tuberculosis, where joint efforts between the TB registry of Manitoba and the Sections of Infectious Diseases and Respiriology offer several options for investigations. With Raquel joining our Section, my personal situation would improve and permit the necessary time to extend and obtain support for such research activities.

Sincerely



Hans Pasterkamp MD FRCPC
Professor & Head
Section of Pediatric Respiriology

HP/psm

April 4, 2000

Dr. Michael E.K. Moffat
Professor & Head
Pediatrics & Child Health
Room CE 208
Children's Hospital

Dear Dr. Moffat

Re: Raquel Consunji-Araneta

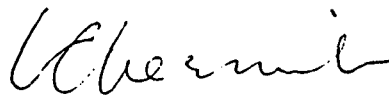
I am writing in support of Raquel's application for the position as a pediatric pulmonologist in the Dept. of Pediatrics at the University of Manitoba. Firstly, let me point out that there are approximately thirty academic positions for pediatric pulmonologists in North America which are now vacant.

Raquel trained for two years with us in 1992 -1994 and was a delight to work with. Before coming to Winnipeg she passed her MCCEE in Hong Kong on her first try. She brought an eagerness to learn and to assimilate new knowledge. Dr. Araneta was an excellent physician having graduated from an excellent school in Manila (University of the Philippines). By the way, this is the same university that Dr. Rey Pagtakhan graduated from.

Raquel did some excellent research work with Hans Pasterkamp which was presented at international meetings. She has all of the attributes of a fine academic physician - interested in patient care and research. She is also an excellent teacher and we had her teaching medical students and junior house staff.

In my view our department would be very fortunate to attract someone in pulmonology of her calibre.

Sincerely yours,



Victor Chernick, MD FRCPC
Professor
Dept. of Pediatrics and Child Health

/ll



The University of Manitoba

Hans Pasterkamp, M
Professor

Victor Chernick, M
Professor

Regina Rempel, M
Associate Professor

Raj Kumar, MD
Assistant Professor

Marilyn Lowe, B
Nurse Clinician

Karen Wachnien, B
Nurse Clinician



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27

April 23, 2000

H. Pasterkamp, MD
Victor Chernick, MD
840 Sherbrook Street
CS 514 Children's Hospital
Winnipeg, Manitoba
R3A 1S1 Canada

Dear Drs. Pasterkamp and Chernick,

This letter written in behalf of Dr. Raquel Araneta who is applying for a Staff position in Pediatric Pulmonology at the U. Manitoba Children's Hospital at Winnipeg. As you very will know she had her 2 year Fellowship in Pediatric Pulmonolgy at your hospital in the past. Upon arrival to Manila, I appointed her as assistant head of our section in Pulmonology at the Makita Medical Center and she had unselfishly shared her knowledge gleaned from her training and expertise while with you for 2 years.

She had blossomed into an excellent pulmonologist with an excellent clinical and theoretical knowledge in Respirology. She currently has a very busy practice and with an active participation in our teaching program at the Makita MedicalCenter.

If accepted, she will be a great loss to our section. However, I am very confident that with her knowledge potential, she will be an asset to your institution. I have advised her not to pass up the opportunity that may come only once in a lifetime.

I highly endorse her application for the position she is seeking. Thank you very much for whatever action you may take regarding this matter. For further information regarding this matter, please do not hesitate to write me.

Sincerely,

Luis M. Rivera, MD
Chairman, Dept. of Pediatrics
Head Section Pediatric Pulmonology
Makati Medical Center
No. 2 Amorsolo St. Makita City
Philippines

Fax No. (632) 893 44 13
e-mail: lmr@xti.com

MAKATI MEDICAL CENTER
NO. 2 AMORSOLO STREET, MAKATI CITY

April 26, 2000

Dr. Hans Pasterkamp
Children's Hospital
840 Sherbrook Street
Winnipeg, Manitoba
CANADA

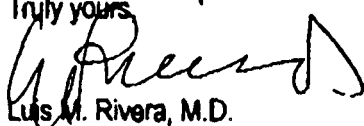
Dear Dr. Pasterkamp,

This letter is written in behalf of Dr. Raquel Consunji- Araneta who is applying for a position in your hospital staff. Dr. Consunji- Araneta was chief resident in our department and had her two-year Fellowship in Pediatric Pulmonology under Dr. Victor Chemick and you. Upon her return to Manila she was appointed as Training Officer, Pediatric Pulmonology Section Makati Medical Center up to present.

Despite her very busy private practice she is able to carry on her teaching obligations. If accepted for the position she is seeking, it will indeed be a great loss to our department. However, I advised her to accept the offer for such an opportunity comes only once in a lifetime.

I favorably endorse her application. Should further information be needed regarding this matter please do not hesitate to write or fax me.

Truly yours,



Luis M. Rivera, M.D.

Chairman
Department of Pediatrics
Makati Medical Center
No. 2 Amorsolo Street
Makati City, Philippines

Tel No. 632 893 8346
Fax No. 632 893 4413
E-mail: lmr@axti.com

cc: Dr. G. Bustan

Robert Dennis J. Garcia, MD, MHSA, FAAP
Infectious Diseases and Pediatrics

Cardinal Santos Medical Center
 Room 259, Wilson Street
 San Juan, Metro Manila
 Tel. No. 727-0001, local 859
 Mon-Fri, except Wed: 1-4 PM

Makati Medical Center
 Room 375, Amorsolo Street
 Makati City
 Tel. No. 840-4506
 Mon-Wed-Fri: 10-12 Noon

April 14, 2000

Hans Pasterkamp, M.D.
 Section Head, Pediatric Pulmonology
 Children's Hospital of Winnipeg
 University of Manitoba

Dear Dr. Pasterkamp,

Allow me to have the pleasure of recommending Dr. Raquel Araneta to be a member of your pediatric pulmonology staff at your institution. I have worked with Dr. Araneta in evaluating and treating children treated as out-patients and in-patients, most of whom were difficult cases that needed both subspecialist pulmonology and infectious disease attention. In the process, I have found her to be highly competent, knowledgeable, and thorough. Her consultation reports were always a joy to read, yielding excellent discussions of the differential diagnoses relevant to each case, with appropriate assessments of likely microbial etiologic agents. I always felt comfortable leaving the non-microbial pulmonary therapy to her in cases that we shared, and she always pulled through with her characteristic patience and cool disposition. Her antimicrobial recommendations were always made with an appropriate appreciation of the organism spectrum and susceptibility patterns that we see in our institution, as well as the general experience locally. On countless occasions, I also enjoyed her wise comments whenever she was asked to moderate or react during resident teaching conferences. During such times, her comments were always concise, thoughtful, relevant to the case, and frequently accompanied by teaching slides. Furthermore, even as I hold her in high esteem due to her professionalism, I have also found her to be an interesting woman with varied interests beyond the scope of medicine.

I am sorry to see her leave us, but I am happy for her and for you because I know that she will be an excellent asset to your department and to your pediatric pulmonology section in particular.

Sincerely yours,

Robert Dennis J. Garcia

R. Dennis J. Garcia, MD
 Consultant, Ped. Infectious Diseases

301-222-1111
Department of Pediatrics
Philippine General Hospital
College of Medicine
University of the Philippines Manila
Taft Avenue, Manila, Philippines

16 April 2000

HANS PASTERKAMP, M.D.
Head, Section of Respiriology
Children's Hospital
Winnipeg, Canada

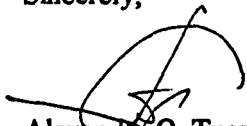
Dear Dr. Pasterkamp,

I write in reference to the application of Dr. RAQUEL CONSUNJI-ARANETA for Staff Position in your hospital, in my capacity as Past President of the Philippine Academy of Pediatric Pulmonologists, and as her colleague in the profession.

Dr. Araneta is fully certified by the Philippine Subspecialty Board in Pediatric Pulmonology and at present an Active Member (equivalent to Diplomate status) of the Philippine Academy of Pediatric Pulmonologists (PAPP). Since her arrival and certification, she has served as an active consultant and a member of the accredited training staff in Pediatric Pulmonology at the Makati Medical Center. As a member of the society and as a practicing consultant, I have had the opportunity to work with her. Her personal participation and her guidance of the clinical fellows (trainees) of Makati Medical Center in a number of educational and professional activities of the PAPP has helped the Academy in its formative years. As a practicing Pulmonologist, she has the respect of her colleagues and her patients, some of whom I have been involved with. Confident and possessed with expertise and compassion for her patients, she is a valued member of the PAPP.

Should you need to contact me, aside from the return address, I can be reached by e-mail at alexot@rocketmail.com.

Sincerely,



Alexander Q. Tuazon, M.D.
Associate Professor
Head, Section of Pediatric Pulmonology



THE UNIVERSITY OF MANITOBA

31

FACULTY OF MEDICINE
Office of the Dean

June 20, 2000

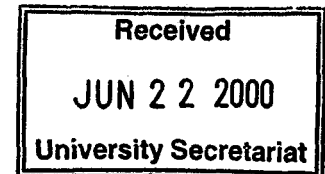
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Tel: (204) 789-3557
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TO: Ms. Bev Sawicki
University Secretary

FROM: G. Bristow, M.D. *G. Bristow*
Associate Dean (Academic)

RE: SCMQ - Dr. F.J.A. Vernimmen



At its meeting on June 19, 2000, the Senate Committee on Medical Qualifications (SCMQ) considered the abovenamed physician's eligibility for registration and licensure with the College of Physicians and Surgeons of Manitoba under Section 64 of the Medical Act.

Dr. Vernimmen is being recruited, by Dr. B. McClarty, Professor and Head, Department of Radiology, as a full time Radiation Oncologist. Dr. Vernimmen graduated from Medicine in Belgium and after undertaking several years of surgical training in Belgium and South Africa he completed his Radiation Oncology training in South Africa. He has also done a year of post fellowship training in the Cancer Control Agency in Vancouver, British Columbia in 1986. He has also provided a several month locum relief at the Allan Blair Cancer Centre, Regina, Saskatchewan in 1999. In addition to the foregoing, Dr. Vernimmen has been a specialist radiation oncologist at the Tygerberg Hospital, Capetown from September 1987 until the present. During this time he has acted as Acting Head of the Section of Radiation Oncology on several occasions.

In attendance at the SCMQ meeting were:

Dr. G. Bristow, Chair
Dr. S. Barakat
Dr. A. Chochoniv

Professor K. Ogden
Dr. W. Pope

The Committee considered Dr. F. Vernimmen's C.V., letters of reference, enclosed, and a personal meeting held between Dr. F. Vernimmen and the Chairman of the SCMQ on May 29, 2000. It also considered a very positive telephone reference from Dr. Arthur Firth, Head of the Allan Blair Cancer Centre, Regina, Canada. It was therefore unanimously approved that Dr. F. Vernimmen be recommended for registration and licensure under Section 64 of the Medical Act and the Senate be so notified.

There was also a unanimous consensus that the SCMQ would be supportive of Dr. F. Vernimmen's inclusion as a Specialist by the College of Physicians and Surgeons of Manitoba under Section 12(2) of the Medical Act.

Copy to: Dr. B. McClarty

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the report to Senate.

CURRICULUM VITAE

Name: F.J.A. Vernimmen
Principal Specialist & Lecturer

Address: Department of Radiotherapy
Gene Louw Building
Tygerberg Hospital
P.O. Box 19063
TYGERBERG
7505
Republic of South Africa

Telephone: 021-9386016
Fax: 021-9310804
e-mail: fvnacpn@iafrica.com

PERSONAL DETAILS

First names: Frederik Jozef Alfons
Surname: Vernimmen
Born: Gent, Belgium. 3 September 1952
Languages: Flemish, English, French
Hobby: Glider pilot; flight instructor with the Cape Gliding Club.

HIGHER QUALIFICATIONS

- Diploma in de genees heel en verloskunde (basic MD degree) with distinction. Gent State University, Belgium, 1978.
- FFR(T): The College of Medicine of South Africa, 1985.
- M.Med(rt): Master in Medicine - Radiotherapy, Natal University, 1985.

OTHER QUALIFICATIONS

- P.O.L.S. diploma; program for the development of leadership skills and team synergy. University of Stellenbosch Business School (Cape Town), 1990.

CLINICAL EXPERIENCE

- One year of general surgery residency in Gent, Belgium, 1979.
- Two years of neurosurgery residency, Wentworth Hospital, Durban, South Africa, 1980 - 1981.
- Four years residency in radiation oncology, Addington Hospital, Durban, 1982 - 1985.

- One year as a specialist at the Cancer Control Agency of B.C., Vancouver, Canada, 1986.
- Specialist radiation oncologist at Addington Hospital, Durban, January - September 1987.
- Specialist radiation oncologist at Tygerberg Hospital, Cape Town, September 1987 - April 1999.
- Radiation Oncologist at the Allan Blair Cancer Center, Regina, Canada, May - September 1999.

PRESENT POSITION

- Principal specialist / lecturer in the Department of Radiotherapy, Tygerberg Hospital, affiliated to the University of Stellenbosch Medical School, since 1987.
- Acting Head of the Department of Radiation Oncology, when necessary.

RESEARCH

- One year research fellowship in particle radiation (negative pi-mesons) at TRIUMF, Vancouver, Canada.
- Sabbatical Leave. Study of High dose rate prostate brachytherapy. Allan Blair Cancer Center, Regina, Canada. April - December 1999.

RESEARCH PROJECTS

- The influence of vaso-active drugs on the late radiation side-effects of the rat spinal cord.
- In vitro study of the enhancement of radiation damage by pentoxifylline and its potential in oncology.

PRESENTATIONS

International Meetings:

- "Brain tumors and pi-mesons". International Canada-Poland week, Vancouver, 1986.
- "A stereophotogrammetric system using multiple digital cameras for the accurate placement of patients during proton stereotactic radiosurgery". PTCOG XVI meeting, Vancouver, 1992.
- PTCOG XXIII meeting, Cape Town, 1995:
 - (a) "Neutron therapy for Head & Neck cancer and soft tissue sarcomas, the NAC experience".
 - (b) "Stereotactic proton irradiation of arteriovenous malformations and meningiomas".
 - (c) "Patient positioning accuracy for proton therapy using a stereophotogrammetric positioning and monitoring system".
 - (d) "Proton therapy for hormone producing pituitary adenomas".
- PTCOG XXIV meeting, Detroit, 1996:
 - (a) "Paranasal sinus carcinoma; the NAC protocol and future perspectives".

(b) "The NAC experience in the treatment of AVM's".

(c) "Neutron therapy for glomus tumors, a possible new indication".

- "Stereotactic hypofractionated proton therapy for meningiomas near the skull base". Hadrons - a challenge for high precision radiotherapy, Innsbruck, 1997.

National meetings:

- "Present management of brain tumors". Natal radiographers congress, Durban, 1987.
- "Neutron therapy in Head & Neck cancer". National congress of the head and neck oncology society, Cape Town, 1988.
- 13th National congress of radiotherapy and oncology, Wild Coast Sun, 1990:
 - (a) "The use of Aspirin, a platelet aggregation inhibitor, during and after irradiation of the rat cervical spinal cord, its influence on the development of radiation myelitis".
 - (b) "Management of radiation mucositis in Head & Neck cancer irradiation, a study of compound thymol glycerine vs Benzidamine hydrochloride".
- "Patient positioning accuracy during the first year of proton therapy at NAC". 35th National congress of SAAPMB, Cape Town, 1995.
- "Role of MRI in radiotherapy planning". Introductory course in MR Imaging, Peninsula Technikon, Cape Town, 1995.
- "Soft tissue sarcomas: indications for brachytherapy". Regional training course on techniques and dosimetry in interstitial brachytherapy, Cape Town, 1996.
- "Proton Therapy for AVM's and meningiomas". First Cansa Oncology School, NAC, 12 -- 13 February 1999.

PUBLICATIONS

Author:

- "Effect of pentoxifylline on radiation damage and tumor growth". Strahlentherapie und Onkologie, 170 (1994), 595-601 (no:10).

Co-author:

- "Pi-meson radiotherapy at TRIUMF". The Journal of Jastro, vol. 12, no. 2, pp 85-99, June 1990.
- "PIONS - the potential for therapeutic gain in locally advanced prostate cancer, dose escalation and toxicity studies". International journal of radiation oncology, biology, and physics, vol. 21, pp 1005-1011, 1991.
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- "Status report of the NAC Particle Therapy Programme". Strahlentherapie und Onkologie, 175, Supplement 11, 30-32, 1999.
- "The Non-orthogonal Fixed Beam Arrangement for the second Proton Therapy Facility at the National Accelerator Centre". Applications of Accelerators in Research and Industry, The American Institute of Physics 1999, 1-56396-825-8/99/\$15.00.

MEMBERSHIP

- The South African Society of Medical Oncology (SASMO).
- The South African Head and Neck Oncology Society.
- The South African Association of Physicist in medicine and biology, group radiological scientists.
- Member of the International Co-ordinated Research Project on Chemical modification of Cancer Treatment.
- The South African Society of Radiotherapists.

OTHER

- Honorary Secretary of the College of Medicine of South Africa – Faculty of Radiation Oncology.

SPECIFIC EXPERTISE AND INTERESTS

- Management of Head and Neck tumors.
- Brachytherapy, mainly intra-operative in soft tissue sarcomas and Head and Neck.
- Neuro-oncology
- Stereotactic Irradiation proton beam & linac.
- 3-D planning.

Revised: March 2000

Re: Dr Fred Vernimmen

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Subject: Re: Dr Fred Vernimmen**Date: Sun, 26 Mar 2000 20:08:59 +0200****From: "Theo Gregor" <theogreg@iafrica.com>****To: "Dr. Keith Jones" <keith.jones@cancercare.mb.ca>**

Dear Dr Jones,

I would be very happy indeed to vouch for Dr. Fred Vernimmen. I have been working with him in our combined head and neck oncology clinic for neraly 5 years, since taking up my position here.

I think Fred is an excellent radiotherapist, and in the head and neck field I have great respect for his opinion and his ability as a therapist.

I have no hesitation at all in recommending him to you most highly. He would be sorely missed here were he to take up a position in Winnipeg.

Please let me know if you require any more information.

Yours Sincerely

R Theo Gregor

Professor and Chairman

Department of ORL, University of Stellenbosch

38 Unie ave.

Stellenbosch

tel: +27 (21) 883-3125

-----Original Message-----

From: Dr. Keith Jones <keith.jones@cancercare.mb.ca>

To: rtg@maties.sun.ac.za <rtg@maties.sun.ac.za>

Date: 25 032000 23:31

Subject: Dr Fred Vernimmen

>Dear Professor Gregor

>

>Your name has been given to me by Dr Fred Varnimmen who may be
>interested in applying for a position in Winnipeg. Would you kindly let
>me know your opinion of his personal and professional qualities - with
>emphasis on his academic and administrative performance and
>capabilities.

>

>Your reply will be treated confidentially.

>

>Yours Sincerely

>

>Dr Keith Davies Jones

>Department Head

>Radiation Oncology

>CancerCare Manitoba

>Winnipeg

>Canada

>

>

>

Re: Dr Fred Vernimmen

37

Subject: Re: Dr Fred Vernimmen**Date: Tue, 28 Mar 2000 17:12:41 +200****From: "DR JP APFFELSTAEDT" <JPA@gerga.sun.ac.za>****Organization: Stellenbosch University****To: "Dr. Keith Jones" <keith.jones@cancercare.mb.ca>**

Dear Dr. Jones,

I have known Dr. Fred Vernimmen for the past 12 years. Initially as a senior resident, then as a consultant for and for the past five years as the head of the Head, Neck, Breast and Sarcoma Service of the Department of Surgery of the University of Stellenbosch, I have had close professional contact with Dr. Vernimmen. For the past five years, we have run the multidisciplinary Head and Neck Service (with ENT) and the Sarcoma Service of this institution. Dr. Vernimmen has provided photon (linear accelerator and Cobalt), neutron and proton external beam irradiation, brachytherapy and photodynamic therapy as well as cytotoxic chemotherapy to our patients.

Dr. Vernimmen is an extremely knowledgeable and resourceful radiotherapist. For me as a surgeon, his degree of understanding of surgical issues is rare; Dr. Vernimmen at times visits us in theater to better understand surgical oncologic problems and limitations. This rare commitment to the optimal care for the cancer patient makes working with him in a multidisciplinary environment a thoroughly pleasant and invigorating experience. It also strongly enhances the value of the multidisciplinary approach to cancer care.

In our multidisciplinary clinics Dr. Vernimmen imparts his extensive knowledge to his residents. The residents regard him as the best teacher in his department.

Through the years I have experienced Dr. Vernimmen as of impeccable ethics and - despite the extremely depressing progressive lack of resources which is the current hallmark of the health care system in this country - resistant to the deterioration of professional standards around him. He has an excellent reputation and is well liked by fellow consultants in his own and other departments in the this academic hospital.

For the past five years Dr. Vernimmen has been the Acting Head of the Department of Radiation Oncology of the University of Stellenbosch at times of leave of the current Head of Department and is a very strong contender to take over the position

Re: Dr Fred Vermimmen

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when the current Head of Department retires
at the end of this year.

I have no reservations to recommend Dr.
Vermimmen for any position in his field
that he wishes to apply for.

Best regards

Dr. J. Apffelstaedt
Senior Consultant Surgeon
Head: Head, Neck, Breast and Sarcoma Clinic
Department of Surgery
University of Stellenbosch
Tygerberg 7505
SOUTH AFRICA

Tel: + 27 21 938 9273

Fax: + 27 21 933 7999

Cell: + 27 82 898 7676

Re: Dr Fred Vernimmen

39

Subject: Re: Dr Fred Vernimmen**Date: Mon, 3 Apr 2000 12:03:50 +0200****From: "MEV M VON AULOCK, RADIOTERAPIE" <MVA2@GERGA.SUN.AC.ZA>****Organization: Stellenbosch University****To: "Dr. Keith Jones" <keith.jones@cancercare.mb.ca>**

On 25 Mar 00, at 15:29, Dr. Keith Jones wrote:

> Dear Mrs von Aulock

>

> Your name has been given to me by Dr Fred Vernimmen who may be
> interested in applying for a position in Winnipeg. Would you kindly let
> me know your opinion of his personal and professional qualities - with
> emphasis on his academic and administrative performance and
> capabilities.

>

> Your reply will be treated confidentially.

>

> Yours Sincerely

>

> Dr Keith Davies Jones

> Department Head

> Radiation Oncology

> CancerCare Manitoba

> Winnipeg

> Canada

>

Dear Dr. Jones

I've been away on holiday - that's why I'm only responding now on your e-mail. Dr. Vernimmen has been known to me since 1985. Dr. Vernimmen consistently delivers excellent practical and academic tutorials and lectures for my students, he is always willing to assist me in any way he can. Dr. Vernimmen is committed to his work, can always be relied upon and has excellent interpersonal relationships with both fellow staff and patients. He has the ability to relate very well to students and other non-medical staff.

Dr. Vernimmen will undoubtedly be a great acquisition for your department. His dedication to his work and the excellence of the standard of the teaching he delivers speak for itself. Dr. Vernimmen has also delivered well researched informative talks at various seminars and congresses for radiographers and students.

I can recommend Dr. Vernimmen without hesitation and my very best wishes accompany him in his future career. I must just add that I for one will be very sorry to see Dr. Vernimmen leave our department - it will be very hard, if not impossible, to replace him.

Yours sincerely
Maryna von Aulock



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THE UNIVERSITY OF MANITOBA

UNIVERSITY SECRETARIAT

312 Administration Bldg.
Winnipeg, Manitoba
Canada R3T 2N2

Tel: (204) 474-8174
Fax: (204) 474-7511

MEMORANDUM

DATE: June 23, 2000

TO: Dr. Emőke Szathmáry
Chair of Senate

FROM: Ms. Beverly M. M. Sawicki *Bmm Sawicki*
University Secretary

SUBJECT: BOARD OF GOVERNORS MEETING HELD JUNE 22, 2000

The Board of Governors, at a meeting held June 22, 2000, considered the following items of interest to Senate:

1. Report of the Senate Committee on Awards Dated March 10, 2000.

The Board of Governors approved the following recommendation:

"That the Board of Governors approved the one award amendment as set out in the report of the Senate Committee on Awards dated March 10, 2000 (as approved and recommended by Senate on April 5, 2000)."

2. Report of the Senate Committee on Awards Dated April 12, 2000.

The Board approved the following recommendation:

"That the Board of Governors approve the 18 new awards, 21 award amendments, and 1 award withdrawal as set out in the report of the Senate Committee on Awards dated April 12, 2000 (as approved and recommended by Senate on May 10, 2000)."

3. Review of the Health, Leisure and Human Performance Research Institute.

The Board approved the following recommendation:

"That the Board of Governors approve the renewal of the Health, Leisure, and Human Performance Research Institute for a term of five years from July 1, 2000



Page 2.

through June 30, 2005 as set out in the report of the University Research Committee of Senate dated March 14, 2000 (as approved and recommended by Senate on April 5, 2000)."

4. Policy 428 - Guidelines for the Establishment of Chairs.

The Board approved the following recommendation

"That the Board of Governors approve the revised Policy 428 on *Guidelines for the Establishment of Chairs* (as approved and recommended by Senate on May 10, 2000)."

The Board received the following items for information:

- 1 Senate Committee on Academic Computing on Faculty Workstation Replacement Costs.
- 2 Proposed Community Oral Health Centre.
- 3 Naming of Spaces - Former Dominion Rust Lab
- 4 Naming of Spaces - Senate Committee on Honorary Degrees.
- 5 Access Program for Women in Science and Engineering.
- 6 Research Grants and Contracts Awarded Jan.1/00-Mar.31/00.
- 7 Academic Non-Research Contracts Awarded Jan.1/00-Mar.31/00.
- 8 Student Affairs Research Report Volume 11, Number 6.

c. Mr. Paul M. Soubry
Dr. Jim Gardner
Dr. Joanne Keselman
Ms. Shirley Plett

/mrb



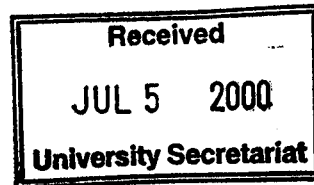
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THE UNIVERSITY OF MANITOBA

OFFICE OF THE PRESIDENT


204 Administration Building
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Ph: (204) 474-9404
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July 2, 2000

TO: Ms. Bev Sawicki, University Secretary

FROM: Gary B. Glavin, Associate Vice-President (Research) and Chair, Senate Committee on the Ethics of Research Involving Human Subjects 

RE: **The Ethics of Research Involving Human Subjects**

As you know, at its November 3, 1999 meeting Senate approved Policy 1406, *The Ethics of Research Involving Human Subjects*, and established the Senate Committee on the Ethics of Research Involving Human Subjects (SCERIHS). This committee is charged with, among other things, monitoring and approving changes to the protocol review process that is undertaken by the various Research Ethics Boards (REBs) that report to SCERIHS.

Since the approval of Policy 1406, SCERIHS has been directing its attention to implementing this new policy in order that the University be in compliance with the Tri-Council Policy Statement, *Ethical Conduct for Research Involving Human Subjects*. As part of this process, it has considered various feedback from members of the University's research community. Notable among this feedback was commentary by the University of Manitoba Faculty Association on the new policy and its attendant procedures.

Based on the commentary received, SCERIHS approved a number of changes to the procedures attendant to Policy 1406. Enclosed is a copy of the revised procedures. In addition to minor editorial revisions, these revisions include:

1. Clarifying the authority of deans/directors and department heads with respect to research that appears not to comply with the policy (see section 1.2);
2. Introducing a provision, in certain circumstances, for the review of class-based research projects by faculty/department-based coursework research review committees, as opposed to REBs (see section 1.4.2.b.);
3. Clarifying the responsibilities of faculty members as supervisors (see section 1.5);
4. Assigning the review of human ethics protocols from the Faculty of Pharmacy to the Bannatyne campus REBs (see section 2.2.3);
5. Clarifying the procedures for nominating members to REBs (see section 2.2.8);

6. Specifying the quorum, decision-making process and recording of minutes of REB meetings (see section 2.2.10);
7. Expanding the conflict of interest clause to better reflect the Tri-Council guidelines on this matter (see section 3.2.3);
8. Strengthening the connection between the extent of scientific/scholarly review required and the risk associated with the proposed research (see section 3.4.1);
9. Providing for appeals based on both procedural and substantive grounds (see section 3.7.1);
10. Clarifying the process for protocol modification (see section 4.2) and annual and final reporting requirements (see sections 4.4.2 and 4.4.3, respectively); and
11. Explicitly acknowledging the Tri-Council proportionality requirements with respect to community vs. non-community representatives (see Appendix II).

As these new procedures are of wide interest to the University's research community, I would ask that you forward this material to Senate for its information.

Thank you.

GBG/bp
encl.

PROCEDURES/MECHANISMS

1.0 Responsibilities

Implementing and adhering to policies on the ethical use of human subjects in research is an institutional responsibility shared by: the administration, including Central, Faculty and Departmental administration, the Office of Research Services and researchers, including faculty members, staff and students. Notwithstanding this shared responsibility, the specific responsibilities of these individuals, and groups or units are as follows:

1.1 Responsibilities of the Administration

1.1.1 Central Administration. The University's Vice-President (Academic) and Provost, Vice-President (Administration), and Vice-President (Research) jointly bear executive responsibility for the implementation of the University's policies respecting the use of humans in research. The University of Manitoba will exercise appropriate administrative overview, carried out at least annually, to ensure that its practices and procedures that are designed to protect the rights and welfare of human subjects are being applied and are in compliance with the requirements of the TCPS and this policy. This administrative overview shall be the responsibility of the Associate Vice-President (Research).

1.1.2 Human Ethics Secretariat. The University will provide administrative support for the REBs, including receiving, recording, and processing of protocol submissions, correspondence with applicants and Committee chairs, secretarial services to Committee meetings, and maintenance of records of REB decisions. This support will be provided to the REBs on the Ft. Garry campus through the Office of Research Services (ORS), and to the Bannatyne campus REBs through the Dean's Office, Faculty of Medicine. The Secretariat will promote awareness of the TCPS and of this policy, and educate researchers on campus on the ethical conduct of research through workshops, and other methods as deemed appropriate.

1.2 Responsibilities of Faculty/School Deans/Directors and Department Heads

Faculty/School Deans/Directors and Department Heads have a general responsibility for the research carried out in their Faculty/School or Department, and for encouraging and ensuring compliance with applicable University policies and procedures. Faculty/School Deans/Directors and Department Heads or their designates have the authority to suspend research using human subjects which, in their opinion, does not comply with Policy #1406. The relevant REB should be immediately notified of this action, and should initiate a review within 5 working days.

1.3 Responsibilities of Researchers

Whenever research involving human subjects is to be performed under the auspices of the University of Manitoba or by any University researcher (See Policy section 2.1), the researcher is responsible for meeting the following requirements:

- a. Ensuring that the research being conducted is scientifically valid and/or appropriate in a scholarly sense, and that the benefits to knowledge that will result from the research warrant the investment of time, effort, and risks to be incurred by the number of human subjects for which the research is planned. Scientifically invalid research, or research that is more intrusive or requires more subjects to experience the research procedures than those warranted by the research design is unethical. The researcher shall carefully monitor and assure the validity of the research submitted to the REB (See Procedure section 3.4).
- b. Reading and becoming thoroughly familiar with applicable ethical guidelines.
- c. Determining if their proposed research requires ethics review (See Policy section 2.3). If there is any uncertainty about whether the research requires ethics review and approval, the researcher shall consult the appropriate REB for advice and decision.
- d. Notifying the appropriate REB of the proposed research by submitting a completed "Human Subject Research Ethics Protocol" (see the website of the Office of Research Services or the Faculty of Medicine), accompanied by any supplementary materials necessary for full ethics review, and providing any additional information requested by the REB in a timely fashion.
- e. Not involving human subjects in the proposed research until the REB has informed him/her of approval for the use of human subjects in the research.
- f. Abiding by all decisions of the REB, including following all modifications required for REB approval and not undertaking the research if it has not been approved.
- g. Obtaining informed consent from all subjects as required by the TCPS policy and the REB, ensuring that subject consent is documented in the prescribed manner, and maintaining consent documents signed by subjects in a secure repository.
- h. Maintaining the confidentiality of data obtained from subjects in the manner required by the REB and relevant organizations.
- i. Promptly reporting to the Chair of the REB any injuries to human subjects, any unanticipated problems which involve risks or unusual costs to the subjects, or other adverse events resulting from the research. Initial reports may be verbal; subsequent reports shall be in the manner required by the REB.

- j. Promptly reporting to the REB any proposed changes in the research which would result in a significantly different involvement of human subjects and obtaining the approval of the REB prior to the changes being made, except where necessary to eliminate apparent and immediate hazards to subjects.
- k. Promptly reporting to the Chair of the REB any proposed involvement of human subjects in research which previously had no plans, or only indefinite plans, for subject involvement and obtaining the approval of the REB prior to the involvement of any subjects.
- l. Promptly reporting to the REB Chair any serious or continuing non-compliance with the requirements of this policy or of the procedures stipulated by an REB by any individual associated with the research.

1.4 Responsibilities of Graduate and Undergraduate Students

As stipulated in Policy section 2.1, graduate and undergraduate students conducting research with human subjects must comply with this policy statement in the conduct of their research. Although students' research must be sponsored by the faculty member who supervises their research, such sponsorship does not in any way diminish the obligation of students as members of the University of Manitoba community to comply with this policy, the TCPS, or other codes that govern the ethical conduct of research involving human subjects.

1.4.1 Independent Student Research. All independent student research projects conducted with human subjects where the data are collected prior to writing an undergraduate research paper, Honours or Master's thesis, or doctoral dissertation must be reviewed and receive REB approval before the data are collected. Such projects shall be supervised by a faculty member (see Procedure section 1.5) who accepts responsibility for their ethical conduct.

1.4.2 Projects as Part of Formal Course Requirements.

- a. Class research projects that are conducted with research subjects solicited from outside of the classroom setting, whether or not with an expectation that the results of the research will be made public through publication, must be reviewed and approved by the REB before the project begins.
- b. In circumstances where the frequency or nature of class-based research warrants, the REB may delegate its review of class-based research projects to a formally constituted Faculty/Department-based Coursework Research Review Committee (CRRC). This delegation is based on condition that the review process of each CRRC is in compliance with the Tri-Council Policy Statement and Policy #1406 and its attendant procedures. Everything that applies to an REB within these policies and procedures, also applies to a CRRC. The CRRC shall require and maintain minutes of CRRC meetings, records of protocol submissions, and all recommendations and decisions resulting from the reviews. The CRRC shall report twice

annually (December 1 and April 1) to the REB under which it has been constituted, to enable the REB to fulfill its responsibility for ethics oversight.

c. With the approval of the appropriate REB or CRRC Chair, the instructor may submit the protocol to be followed on behalf of the entire class or large groups of students, with REB approval given to the instructor who takes responsibility for the ethical conduct of the data collection exercise. Under these conditions, the instructor takes on added responsibility to ensure that all students understand and follow principles of ethical conduct.

d. As stipulated in Policy section 3.3, class research projects which involve human subjects and that are conducted by students on other members of the class as exercises to learn how to conduct research do not require review by the REB or CCRC. This exemption is based on the assumption that such projects involve no more than minimal risk.

e. In cases where the instructor is uncertain whether a class exercise constitutes research, whether it is necessary to submit a single protocol on behalf of the class or individual protocols, or whether ethics approval is required at all, the written opinion of the REB or CRRC Chair must be sought before undertaking the class exercise. Instructors should consult the document "Guidelines for Ethics Review of Course-Based Research Projects" for guidance on what constitutes research that requires REB approval, and which activities do not require review because they both do not constitute research and are employed primarily for professional skill development, or pedagogic purposes. It is advisable for instructors to clarify the status of class exercises with the appropriate REB or CRRC chair at the beginning of each academic term.

1.5 Responsibilities of Faculty Members as Supervisors of Student Researchers

Even if a student is the primary researcher collecting the data, the supervising faculty member has the following responsibilities for the protection of the human subjects:

a. During the design of a project, faculty members should instruct students on the ethical conduct of research and help them prepare protocol submissions for REB approval. As assurance that the faculty member acknowledges their responsibility to see that University policy will be followed, the advisor or instructor is required to sign the student's protocol submission to the REB.

b. After REB approval, faculty members should take an active role to ensure that projects are conducted in accordance with the REB's requirements. Meeting periodically with students to review their progress is one way to meet this responsibility.

2.0 Committee Structure/Composition/Terms of Reference

2.1 Senate Committee on the Ethics of Research Involving Human Subjects (SCERIHS)

As stipulated in Policy section 2.0, the Senate Committee on the Ethics of Research Involving Humans is responsible for ensuring University-wide understanding of, and compliance with, the applicable guidelines. This Committee is responsible for ensuring that all human subjects in research are treated with the highest possible ethical standards in accordance with applicable guidelines. The composition and terms of reference of SCERIHS are outlined in Appendix I.

2.2 Research Ethics Boards (REBs)

The REBs are responsible for the ethics review of all protocols involving the use of human subjects in research. It is the responsibility of the REBs to:

- (1) ensure that all protocols that propose the use of human subjects comply with this policy and all applicable ethics guidelines;
- (2) ensure that the potential benefits of these protocols are sufficient to warrant the use of human subjects; and
- (3) terminate any on-going research project which is in contravention of this policy or of a previously approved protocol.

2.2.1 Approval to conduct research on human subjects will be granted only after the research ethics protocol has been examined by members of a REB.

2.2.2 There shall be five REBs, with responsibility for the ethics reviews of research with humans at the University of Manitoba as outlined below.

2.2.3 Bannatyne Campus REBs. Two REBs have responsibility for monitoring protocols at the Bannatyne Campus: The Biomedical Research Ethics Board (BREB) is to receive and review all research ethics protocols involving clinical trials and other biomedical research interventions. The Health Research Ethics Board (HREB) shall receive and review research ethics protocols from the Bannatyne campus involving the behavioral sciences, surveys, examinations of medical records and protocols of generally lesser risk. Members of the Faculties of Medicine, Dentistry, and Pharmacy, the affiliated teaching hospitals, their associated research foundations and the School of Medical Rehabilitation, shall submit their protocols to the REB they consider appropriate. (*Note: For purposes of ethics review members of the Faculty of Pharmacy shall be treated as Bannatyne campus faculty*). The Chair of these REBs have the final authority in deciding whether the BREB or the HREB is appropriate for the review of all submitted protocols. In addition to Bannatyne campus protocols, the BREB shall review any protocols that may be referred from REBs on the Ft. Garry Campus.

2.2.4 Ft. Garry Campus REBs. Three REBs have responsibility for the ethics review of research with human subjects on the Fort Garry Campus. These areas of responsibility will be reviewed from time to time and may be redesignated by SCERIHS to ensure approximately equal division of numbers of protocol submissions arising from the Faculties, Schools, and Departments on the Fort Garry Campus. Unlike the Bannatyne Campus, Faculties and Departments on the Fort Garry Campus are assigned to specific REBs and all protocols shall be submitted to their designated REB. Researchers may not submit their protocols to alternative REBs and REBs may not review protocols from units other than those within their mandate, or that have been properly referred by another REB Chair. Protocols from the Fort Garry Campus that involve biomedical interventions should be appropriately indicated on the protocol submission form so that the Chair of the REB to which it is submitted may immediately refer it to the BREB for review. The REBs on the Fort Garry Campus are:

- (a) **The Psychology/Sociology REB (PSREB)** which will review protocols submitted from the Departments of Psychology and Sociology and from the Counseling Service.
- (b) **The Education/Nursing REB (ENREB)** which will review protocols from Education, Nursing, Physical Education and Recreation Studies, Continuing Education, and Engineering.
- (c) **The Joint-Faculty REB (JFREB)** which will review protocols from all other academic departments and faculties/schools on the Ft. Garry Campus (including the Faculties of Agricultural and Food Sciences, Architecture, Arts [Except psychology/sociology], Human Ecology, Law, Management, Science, Social Work, the Schools of Art and Music, the Libraries, the Natural Resources Institute) and research conducted by administrative and academic units (See Policy section 2.3.3).

2.2.5 Research within Multi-disciplinary Research Centres/Institutes. Protocols of researchers affiliated with multi-disciplinary research centres/institutes shall be submitted to and reviewed by the REB that reviews research from the academic unit in which the researcher holds their primary academic appointment. The appropriate REB for ethics review is consistently to be determined by the principal researcher's appointment, not by the varying topic or approach of the specific project, nor by the discipline of co-researchers.

2.2.6 The composition and general terms of reference of the REBs are determined by the Senate Committee on the Ethics of Research Involving Human Subjects and are outlined for each of the five REBs in Appendices II and III. In all respects, the terms of reference of these REBs are consistent with the guidelines of the Tri-Council Policy Statement. The REBs report to the Senate Committee on the Ethics of Research Involving Human Subjects and to the Associate Vice-President (Research) and maintain ongoing liaison with faculty members.

2.2.7 The **Chairs of the REBs** are appointed by the Associate Vice-President-Research (and jointly with the Dean, Faculty of Medicine for BREB and HREB) on the recommendation of

the Senate Committee on the Ethics of Research Involving Human Subjects. Chairs have delegated authority for signature, on behalf of the University, of approved protocols under their jurisdiction. Chairs also have the authority to approve any protocol that qualifies for expedited review, any request for time/subject extension, and any request for renewal of previously approved protocols where there have been no significant changes to the risks to human subjects. Chairs also have the authority to refer a protocol to another more appropriate REB for review. Chairs of REBs are members, *ex officio*, on the Senate Committee on the Ethics of Research Involving Human Subjects.

2.2.8 Members for each REB shall be nominated to SCERIHS by the departments and/or faculties/schools submitting protocols to that REB. Each REB chair shall propose to SCERIHS the specific configuration of the REB and the number of members to be nominated from each faculty or Department, in proportion to the number of each Department's or Faculty's submissions. The specific nominees for each faculty position allotted to each Faculty or department shall be elected or selected in a manner determined by that Faculty or Department. Within REBs that cover a number of faculties/schools and departments, such as the JFREB, effort shall be made to rotate REB membership so that all units submitting protocols to that REB have opportunities for representation.

2.2.9 Meetings of the REB. REBs shall meet face-to-face on a regular basis at dates and times that are publicly announced in advance (preferably for the entire academic year). Whereas REBs normally meet monthly, this may not be necessary at certain times of the year (e.g., July or December) and researchers should be informed well in advance so that they may plan their protocol submission for the most appropriate meeting. Researchers should also be informed of the dates by which their materials must be received by the REB in order to be considered at scheduled meetings.

2.2.10 Quorum, Decision-making, and Minutes of REB Meetings. The quorum for the conduct of an REB meeting normally shall be 50% of duly appointed REB members. In the event that this number is not achieved, the meeting may proceed only if in the judgment of the Chair the number and range of expertise present is adequate for the conduct of reviews. Normally decisions shall be arrived at by consensus. After all reasonable efforts to reach a consensus have been exhausted, decisions shall be taken on the basis of a simple majority vote. Minutes of all REB meetings shall be prepared and maintained for the REB by the Human Ethics Secretariat.

3.0 Protocol Review and Approval

3.1 Protocol Submission

3.1.1 Before a project involving the use of humans for research is initiated, a *Human Subject Research Ethics Protocol* submission form describing the proposed procedures must be filed with the Human Ethics Secretariat, either in the ORS or the Dean's Office of the Faculty of

Medicine. The protocol must indicate the REB to which it is addressed, whether referral to another REB is advisable, and should provide a clear statement of the proposed research (scientific rationale and details of the procedures to be used with the human subjects, including obtaining their informed consent). In short, it should include all the information required by the TCPS and requested by the protocol submission form (available on the ORS Website).

3.1.2 Pilot studies should be identified as such in protocol submissions to the REB. A single protocol submission outlining a range of treatment procedures may be a practical way of obtaining ethics approval for the variations the researcher wishes to pilot test. Following identification of a workable treatment or procedure, the researcher must resubmit a new ethics protocol submission that may receive expedited review and approval.

3.1.3 On receipt of the protocol submission, the REB Chair or delegate will review the submission to determine if it is complete. If additional information is required, the Chair will either return it to the applicant for completion, or request additional information.

3.1.4 If it is determined that the submission is complete, the Chair of the relevant REB will decide whether an expedited or full review is required. The Chair will also determine if the protocol would be more appropriately reviewed elsewhere and, if so, refer it to that other REB. For example, a protocol from Nursing or Physical Education and Recreation Studies that involves invasive procedures, might be referred to the BREB for review. In such cases the REB reviewing the "referred protocol" shall report its decision to the referring REB as well as to the researcher.

3.2 Types of Review

Proposals for research will receive proportionate reviews; that is, the degree, depth and extent of the ethics review will be proportional to the anticipated degree of risk. In cases where the anticipated risk is negligible or very low, REBs have the authority to expedite review of such protocols (Expedited Reviews). Protocols that involve greater than minimal risk must be reviewed in face-to-face meetings of the REB (Full REB Review). Hence, research projects are reviewed at one of two levels, depending upon the REB's (Chair's) interpretation of the project's risk to human subjects. The applicant should indicate the level of review they are requesting based on their perception of the level of risk involved. The final determination of whether an expedited or full review is required will be made by the REB Chair. Accordingly, applicants should anticipate the possibility of a full review in the timing of their submission.

3.2.1 Expedited Review. To qualify for an expedited review, a research project must involve an activity that incurs no more than minimal risk for subjects (See Definitions immediately following the Preamble of Policy #1406), or be a minor change in a previously approved research ethics protocol that involves no additional risk to the research subject(s).

3.2.1.1 Procedures for an expedited review. Decisions on protocols subject to expedited reviews are reached by "virtual meetings." A virtual meeting is a review of the protocol by a selected number of members of the REB who do not meet face-to-face. Rather, at least two members (the Chair may be one of these) read the submission and forward their decision/recommendations in writing. The Chair of the REB renders the decision for the committee based on the judgment of these REB members. If at least two members approve, the project may be approved; if a single member raises concerns, the Chair may attempt to resolve these informally with the applicant, or decide that the protocol warrants a full review, in which case the protocol submission must be referred to the next regular meeting of the REB.

3.2.1.2 Time line for expedited reviews. Every effort shall be made by the REB to provide rapid decisions. The goal shall be to achieve a turn-around time of 5-7 working days for such reviews.

3.2.1.3 Review of Expedited Reviews by the REB. At each regular meeting of the REB, all approvals by expedited review since the previous meeting should be reviewed by the full REB to ensure consistency of processing protocol submissions.

3.2.2 Full Review. A project that involves greater than minimal risk requires approval by a REB in a face-to-face meeting that allows discussion and exchange of information regarding the protocol. Research that requires full committee review includes, but is not limited to:

- research that involves children or other vulnerable populations;
- research that involves experimental drugs or devices;
- research that involves invasive procedures; and/or
- research that involves significant deception.

3.2.2.1 Time Frame for Decisions on Projects Requiring Full Review. Because the REBs normally meet for full reviews only monthly, it is extremely important for the researcher to allow ample time for the review process to take place in advance of their plan to conduct the research. It is also essential to be certain that the protocol submission is complete and answers all questions that might be anticipated. Submissions must be received no later than 7 working days prior to the REB's published meeting date in order to be considered at that month's meeting.

3.2.3 Conflict of Interest. When an REB is reviewing research in which a member of the REB has a real or perceived personal interest, conflict of interest principles require that the member not be present when the REB is discussing or making its decision. The REB has the responsibility to identify situations where the interests of the researcher may be in conflict. In these instances the REB may require the researcher to disclose the conflict to potential subjects or to abandon one of the interests in conflict.

3.3 Research Requiring Approval from Other Institutions

3.3.1 Ethics Review of Research to be Conducted at Another Institution. An ethics protocol submission for research to be conducted at another institution normally should be accompanied by a letter from the head of that institution or its equivalent REB, indicating that permission has been granted for the research to proceed. If ethics approval from the University REB is required before such a letter may be obtained, the applicant should state this in their submission to the University REB. In this instance, the REB may grant approval, conditional upon receipt of the letter of approval from the other institution before the research commences. Special procedures to facilitate the review process may be negotiated between a University REB and another institution where research by university researchers may frequently occur, e.g., National Research Council laboratories, Winnipeg school divisions. Such agreements shall be reported to the Chair of SCERIHS for comment and approval.

3.3.2 Ethics Review of Research to be Conducted at Multiple Universities. Research conducted at other universities in addition to the University of Manitoba, must receive ethics review and approval from the appropriate University of Manitoba REB as well as those at the other institutions. The research may not proceed until approval has been granted.

3.4 Scientific/Scholarly Standards and Ethics Review

It is unethical to conduct research that is incapable of addressing the research question being asked. The researcher must ensure that his/her submitted protocol is for valid research that warrants the costs, risks, and specific procedures to be used with the number of research subjects indicated within the research ethics protocol (See Procedure section 1.3 a. above).

3.4.1 The REB also has the responsibility as part of its review to be assured that the research is valid. Normally, scientific validity is assumed for research that has received peer review by a grant adjudication committee (internal or external), or by the REB following a "face-validity" test of the research, i.e., the research meets a reasonable scientific/scholarly standard. The extent of the scientific/scholarly review that is required will vary according to the risk associated with the research being carried out. In those circumstances where an REB is in agreement that the research warrants more careful assessment, the REB may request an ad hoc independent scientific/scholarly peer review of the research if appropriate expertise to make that determination is not available within the REB.

3.5 Types of REB decisions

After review by a REB, the protocol submission may be:

- approved as submitted;
- approved with suggestions for minor changes;
- approved with conditions (that must be met before final approval is granted);

- deferred, pending receipt of additional information or major revisions;
- not approved.

3.5.1 The REB shall notify each researcher in writing of its decision regarding his/her proposed research activity. Normally the researcher will accept the proposed modification or offer a counter proposal to the Chair of the REB. This exchange is concluded normally when an ethically acceptable form for the research is agreed upon. To facilitate the continuing processing of such research ethics protocols between meetings, the REB should specify conditions that should be met to enable the Chair to review and grant approval on behalf of the REB.

Researchers have the right to request and REBs have an obligation to provide, reconsideration of decisions affecting a research project.

If the REB does not approve a research activity, the notification shall include a statement of the reasons for its decision and the researcher shall be given an opportunity to respond in writing or in person. The REB may, at its discretion, re-review and reconsider its decision to not approve the research activity.

3.6 Records of All REB Committee Decisions

3.6.1 All REBs must make provision to record and report to SCERIHS all REB decisions in a form specified by SCERIHS.

3.6.2 Retention of Records. All REBs must make provision for the retention of relevant records (protocols and related correspondence) for a period of time following completion of the research. Minimal risk protocols should be retained for a period of three years. All other protocols should be retained for a minimum of 7 years. At the conclusion of this period SCERIHS shall annually review and approve the files to be retained or removed from storage and shredded.

3.7 Appeals of REB decisions

The REB and the researcher should engage in negotiation to achieve a mutually agreed upon protocol that is scientifically and ethically acceptable. However, if all reasonable alternatives are explored and no agreement is achieved, i.e., the protocol is still deemed to be unsatisfactory, the REB shall reject the application. Under these circumstances the decision of the REB may be appealed to SCERIHS. Appeals may be based on procedural grounds or on the substance of the protocol on which the researcher and the REB did not agree.

3.7.1 Appeals of an REB decision should be directed by the researcher to the Secretary of SCERIHS (Office of Research Services, 244 Engineering Building, Fort Garry campus) who will notify the SCERIHS Chair of the receipt of an appeal.

3.7.2 On receipt of an appeal, the Chair of SCERIHS shall request a report in response to the appeal from the Chair of the REB. SCERIHS will review the appeal and the report from the REB Chair and may seek additional external opinion. SCERIHS shall invite both the appellant and the REB Chair to attend its meeting to provide additional information and/or explanation. Both parties to the appeal, however, shall not be present during the decision-making process on the appeal.

3.7.3 Appeals may not result directly in approval of the research ethics protocol by SCERIHS. SCERIHS may either reject or uphold the appeal. In the latter instance, the REB shall be informed of the decision and shall be instructed to reconsider the protocol in light of the decision on the appeal.

4.0 Modification/Monitoring Approved Research

4.1.1 Beginning the Research. Human subjects may not be recruited and researchers may not begin collecting data until the research ethics protocol has been approved by a REB. Once approved, the researcher is obligated to follow the procedures contained in the protocol.

4.2 Modification of an Approved Protocol

The protocol is approved for the procedures, the number of subjects and the time period (up to a maximum period of one year) specified. An approved protocol is not to be modified subsequently without the prior written notification and approval of the Chair of the REB. During data collection, however, if the researcher recognizes the need for modifications to the procedures or to the target number of subjects indicated in the original protocol submission, s/he is obligated to submit a written request for protocol amendment. Such correspondence should be sent directly to the Human Ethics Secretariat (Banntyne or Ft. Garry campus). Expedited review and approval of these changes, if appropriate, may be made by the REB Chair. If required, the REB may reconsider the protocol in light of the proposed revisions. The researcher may not proceed with the modified protocol until approval has been granted.

4.3 Time extensions

All protocol approvals are for a maximum period of one year, and may be renewed by submission of an annual report (see 4.4) on the anniversary date of the original protocol approval. Protocol submissions for data collection for a period less than one year lapse at the end of the time specified (unless a subsequent request for time extension and new end date are submitted to the REB for approval).

4.4 Monitoring of Approved Research

4.4.1 Serious Adverse Events Reports. Normally it is anticipated that research will proceed with little or no special costs or harm to subjects, beyond those noted in the protocol. However,

unanticipated negative reactions by subjects or other unexpected events may occur. Researchers are obliged to report immediately any known serious adverse event to the Human Ethics Secretariat.

4.4.2 Annual Reports/Ethics Approval for Continuing Research Annual reports are required for long-term or on-going research projects. Such reports should be submitted on the anniversary date of ethics approval to enable the REB to monitor the progress of the research and any ethical issues that may have emerged. Researchers must request renewal of ethics approval for any data collection that continues beyond the 12 months for which ethics approval had been given. Such requests should clearly indicate the status of data collection and, if there will be changes to the protocol that was approved, specify in detail the nature of any changes that are required. Depending on the changes, the protocol may require further REB review.

4.4.3 Final Reports. If the project is terminating at the end of the year or at the end of a shorter period for which approval was granted, a final report is required. Final report forms are available on the Office of Research Services website. Such reports shall be submitted to the Human Ethics Secretariat no later than 30 days following the conclusion of the data collection.

4.4.4 Random Monitoring. The Senate Committee on the Ethics of Research Involving Human Subjects may schedule periodic assessments or audits of research ethics protocols involving humans.

5.0 Noncompliance by Researchers

Instances of noncompliance with this policy and the procedures derived from it are to be brought to the attention of the Chair of the appropriate REB for resolution. If a resolution is not reached with the researcher or the problem recurs, the Chair of the REB shall attempt to obtain a satisfactory resolution through the appropriate Dean/Director/Department Head. Serious instances of noncompliance or repetitive policy breaches shall be forwarded to the Chair of SCERIHS for reporting and to the Vice-President (Academic) and Provost for disposition.

Psychology/Sociology Research Ethics Board (PSREB)

All members of this REB are appointed by the Associate Vice-President (Research) on the recommendation of the Senate Committee on the Ethics of Research Involving Human Subjects. At a minimum, this REB shall consist of:

1. a Chair (non-voting), appointed for a three (3) year term renewable;
2. eight (8) faculty members (4 members from the Department of Psychology [one of whom shall be the Coordinator of the Subject Pool], 3 members from the Department of Sociology, and one member from Counselling Service) experienced in the use of humans in research, appointed for three (3) year terms renewable;
3. two (2) graduate students (one from Department of Psychology, one from Department of Sociology) appointed for a one (1) year term, renewable;
4. one (1) community representative, appointed for a three (3) year term, renewable.
5. legal representation (in accordance with the TCPS) is available to the REB on-call (see SCERIHS Terms of Reference 7.)

At least one member of the REB should be knowledgeable in ethics. At least one member (ad hoc, if necessary) should be knowledgeable in the research area addressed by the protocol under discussion. With the approval of the Senate Committee on the Ethics of Research Involving Human Subjects, additional members, because of workload, may be appointed to the REB. As the number of University members on the REB increases, the number of community representatives should increase proportionally.

Education/Nursing Research Ethics Board (ENREB)

All members of this REB are appointed by the Associate Vice-President (Research) on the recommendation of the Senate Committee on the Ethics of Research Involving Human Subjects. At a minimum, this REB shall consist of:

1. a Chair (non-voting), appointed for a three (3) year term renewable;
2. eight (8) faculty members (3 members from the Faculty of Education, 3 members from the Faculty of Nursing, and 2 members from the Faculty of Physical Education) experienced in the use of humans in research, appointed for three (3) year terms renewable;
3. two (2) graduate students (one from the Faculty of Education, one from the Faculty of Nursing) appointed for a one (1) year term;
4. one (1) community representative, appointed for a three (3) year term, renewable.
5. legal representation (in accordance with the TCPS) is available to the REB on-call (see SCERIHS Terms of Reference 7.)

At least one member of the REB should be knowledgeable in ethics. At least one member (ad hoc, if necessary) should be knowledgeable in the research area addressed by the protocol under discussion. With the approval of the Senate Committee on the Ethics of Research Involving Human Subjects, additional members, because of workload, may be appointed to the REB. As the number of University members on the REB increases, the number of community representatives should increase proportionally.

Joint-Faculty REB (JFREB)

All members of this REB are appointed by the Associate Vice-President (Research) on the recommendation of the Senate Committee on the Ethics of Research Involving Human Subjects. At a minimum, this REB shall consist of:

1. a Chair (non-voting), appointed for a three (3) year term renewable;
2. ten (10) faculty members (3 members from the Faculty of Arts¹, 2 members from the Faculty of Social Work, 2 members from the Faculty of Human Ecology, one member from the Faculty of Management, one member from the Faculty of Architecture, and one member from the other Faculties and Schools) experienced in the use of humans in research, appointed for three (3) year terms renewable;
3. two (2) graduate students (one from the Faculty of Arts, one from the other Faculties and Schools) appointed for a one (1) year term, renewable;
4. one (1) community representative, appointed for a three (3) year term, renewable.
5. legal representation (in accordance with the TCPS) is available to the REB on-call (see SCERIHS Terms of Reference 7.)

¹Note: Arts membership shall be drawn from departments other than Psychology or Sociology,

At least one member of the REB should be knowledgeable in ethics. At least one member (ad hoc, if necessary) should be knowledgeable in the research area addressed by the protocol under discussion. With the approval of the Senate Committee on the Ethics of Research Involving Human Subjects, additional members, because of workload, may be appointed to the REB. As the number of University members on the REB increases, the number of community representatives should increase proportionally.

July 6, 2000

Report of the Senate Committee on Awards respecting Awards**Preamble**

The Senate Committee on Awards (SCOA) terms of reference include the following responsibility:

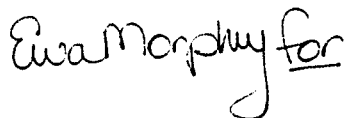
"On behalf of Senate, to approve and inform Senate of all new offers and amended offers of awards that meet the published guidelines presented to Senate on November 3, 1999, and as thereafter amended by Senate. Where, in the opinion of the Committee, acceptance is recommended for new offers and amended offers which do not meet the published guidelines or which otherwise appear to be discriminatory under Policy No. 419, such offers shall be submitted to Senate for approval." (Senate, April 5, 2000)

At its meeting on July 4, 2000, SCOA reviewed new awards offers, award amendments, and award withdrawals and reports as follows.

Observation

1. On behalf of Senate, the Senate Committee on Awards approved and recommends that the Board of Governors approve 15 new awards, 20 award amendments and three award withdrawals as set out in Appendix "A" of the Report of the Senate Committee on Awards (dated July 6, 2000). These award decisions comply with the published guidelines of November 3, 1999, and are reported to Senate for information.

Respectfully submitted,



Professor R. Baydack, Chair
Senate Committee on Awards

APPENDIX "A"**OFFERS****EECOL ELECTRIC INC. SCHOLARSHIP**

EECOL Electric Inc. offers an annual scholarship at the University of Manitoba, valued at \$1000, to a student who:

- (1) has completed one year of full-time study at the University of Manitoba, either in University 1 or in the first year in the Faculty of Engineering;
- (2) enters the Department of Electrical and Computer Engineering as a full-time student in his/her second year at the University of Manitoba;
- (3) has achieved the highest standing among all students entering the Department of Electrical and Computer Sciences (minimum grade point average of 3.75).

This scholarship will be offered for the first time in the year 2000 and will be offered for five years (last offer in 2004). At that time, EECOL Electric Inc. shall review its commitment to this scholarship and shall notify the University of Manitoba Financial Aid and Awards office in writing if the commitment is to be extended beyond the year 2004.

The selection committee shall be the Scholarships, Bursaries, and Awards Committee in the Faculty of Engineering.

DR. NOAH CARPENTER IODE BURSARY

The IODE — Manitoba Chapter, offers a one-time bursary in the Faculty of Medicine to a student in need of financial assistance. Dr. Noah Carpenter was the first Inuit student to graduate from the Faculty of Medicine at the University of Manitoba. During his student years in the Faculty of Medicine, IODE was able to assist Noah Carpenter when he was faced with financial need. In appreciation of this assistance, Dr. Carpenter made a donation to Manitoba IODE to provide for a student in similar need.

This bursary is to be valued at \$2,000 and it is to be offered to a student who:

- (1) is enrolled full-time in the first year of undergraduate study in the Faculty of Medicine at the University of Manitoba;
- (2) has achieved a minimum cumulative grade point average of 2.5 (or equivalent) in his/her previous degree;
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form.

The selection committee shall be named by the Dean of the Faculty of Medicine.

MARION SWANSON IODE BURSARY IN EDUCATION

The IODE — Manitoba Chapter offers a one-time only bursary in the fall of 2000 in memory of Marion Swanson. Marion Swanson was a long time member of the IODE in Manitoba. She served in many positions, including Provincial President of Manitoba IODE and Regent of the Edith Rogers Primary Chapter. At the time of her death, she was a member and the Education Secretary of the Edith Rogers Chapter, which has since disbanded. This bursary is to be valued at \$1,000 and it is to be offered to a student who:

- (1) is enrolled full-time in the first year of the After-Degree Program in the Faculty of Education at the University of Manitoba;
- (2) has achieved a minimum cumulative grade point average of 2.5 (or equivalent) in his/her previous degree;
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form.

The selection committee shall be named by the Dean of the Faculty of Education.

BILL AND LEOLA REMPEL BURSARY

Professor William E. Rempel and Mrs. Leola Rempel have established an endowment fund at the University of Manitoba, with a contribution from the Manitoba Scholarship and Bursary Initiative. Professor Rempel graduated from the University of Manitoba with a B.S.A. in 1944 and with a M.Sc. in 1946. Professor and Mrs. Rempel wish to assist students in financial need. The fund will be permitted to grow through three donations from the Rempels, to be given to the University in 2000, 2001, and 2002 (or before). The first bursary from the fund will be offered when the available annual income provides an award of at least \$700. After that time, the bursary will be valued at the available annual income from the fund and shall be offered to a student who:

- (1) is enrolled full-time in the first year of undergraduate study in the Faculty of Agricultural and Food Sciences, following completion of University 1 or transferring into the Faculty from another institution or Faculty;
- (2) has achieved a minimum cumulative grade point average of 2.5 (or equivalent);
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form.

The selection committee shall be named by the Dean of the Faculty of Agricultural and Food Sciences.

GOLDEN SCALER AWARD

Hu-Friedy Mfg. Co. Inc. offers an annual award to an outstanding student of Clinical Periodontics in the Faculty of Dentistry at the University of Manitoba. The Golden Scaler is a symbol of Hu-Friedy and it represents the value that the company places on precision, performance, reliability, and uncompromising quality.

This award of a Golden Scaler is offered each year to the student who has achieved high standing in the fourth year Clinical Periodontics course (currently a component of the General Practice Clinic, numbered 66.401) by demonstrating overall clinical excellence, efficiency in completing clinical requirements, and an outstanding clinical performance.

The selection committee shall be the Awards Committee of the Faculty of Dentistry.

MARION SWANSON IODE — EDITH ROGERS CHAPTER MEMORIAL BURSARY

The Edith Rogers Chapter of the Provincial IODE in Manitoba offers a one-time only bursary to the University of Manitoba through a testamentary gift from Marion Swanson. Marion Swanson was a long time member of the IODE in Manitoba. She served in many positions, including Provincial President of Manitoba IODE and Regent of the Edith Rogers Primary Chapter. At the time of her death, she was a member of and the Education Secretary of the Edith Rogers Chapter, which has since disbanded. In the fall of 2000, three bursaries, each valued at \$500, shall be offered to undergraduate or graduate students who:

- (1) are enrolled full-time at the University of Manitoba, in any Faculty or School;
- (2) have achieved a minimum cumulative grade point average of 3.0;
- (3) have demonstrated financial need on the standard University of Manitoba bursary application form.

The selection committee shall be named by the Director of Enrolment Services.

**ALUMNI ASSOCIATION OF THE UNIVERSITY OF MANITOBA
ENTRANCE SCHOLARSHIP**

Through an endowment fund in the name of the Alumni Association of the University of Manitoba, scholarships shall be offered to students entering the University of Manitoba. The available annual income from this fund shall provide scholarships, valued at the level of Tier V University of Manitoba Entrance Scholarships, to the students ranked at the top of the group in Tier V (entering with an average of 85%-87.5%). The number of awards shall be determined by the amount of available annual income from the fund. The recipient of the Alumni Association of the University of Manitoba Entrance Scholarship cannot also hold the Tier V University of Manitoba Entrance Scholarship.

The selection committee shall be named by the Director of Enrolment Services.

ALUMNI ASSOCIATION OF THE UNIVERSITY OF MANITOBA
UNDERGRADUATE SCHOLARSHIP

Through an endowment fund in the name of the Alumni Association of the University of Manitoba, scholarships shall be offered to the top three Isbister Scholarship winners at the University of Manitoba who have not already won a Hogg Scholarship (offered to the top Isbister Scholarship winner in each Faculty/School/Program). Each award will be valued at one-third of the available annual income from the fund. (If one of the top three Isbister Scholarship winners is also a recipient of the Hogg Scholarship, the Alumni Association of the University of Manitoba Undergraduate Scholarship shall be offered to the next eligible candidate.)

The selection committee shall be named by the Director of Enrolment Services.

ALUMNI ASSOCIATION OF THE UNIVERSITY OF MANITOBA BURSARY

Through an endowment fund in the name of the Alumni Association of the University of Manitoba, bursaries shall be offered to students at the University of Manitoba. The number and value of bursaries will be determined each year, based on the amount of available income from this fund. Bursaries shall be offered to graduate and/or undergraduate students who:

- (1) are enrolled part-time or full-time in any degree or diploma program at The University of Manitoba;
- (2) have a record of satisfactory academic achievement which is defined as:
 - (a) for first year students, a minimum entering average of 70 percent (students entering their first year of study at The University of Manitoba on mature student or transfer student status are also eligible for this bursary);
 - (b) for continuing students, a minimum cumulative grade point average of 2.0;
- (3) have demonstrated financial need on the standard University of Manitoba bursary application form.

Priority in selection shall be given to students whose "assessed financial need" has not been met by other bursaries, such as the UMSU Bursaries, the University of Manitoba General Bursaries, or the Manitoba Scholarship and Bursary Initiative Bursary.

The selection committee shall be named by the Director of Enrolment Services.

MARGARET H. TYLER AWARD IN ENGLISH

Through a bequest from Mrs. Margaret H. Tyler, a fund has been established at the University of Manitoba to support an annual award for a student of English. The available annual income from the fund shall provide an award (first offered in 2001) which will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies, specifically in the first year of study in the Ph.D. program offered by the Department of English;
- (2) has achieved the highest standing on admission criteria to the Ph.D. program in English among those entering the program in the same year, as decided by the selection committee.

The selection committee shall be named by the Head of the Department of English.

MILDRED I. LUCKY BURSARY IN NURSING

Ms. Mildred I. Lucky has established an endowment fund at the University of Manitoba, with a contribution from the Manitoba Scholarship and Bursary Initiative, to provide financial support to students in Nursing. Ms. Lucky is a daughter of European immigrants who arrived in Canada in the early 1900s. Her parents laboured with the life and language in their new home. Mildred flourished as she completed her Diploma in Nursing at the Winnipeg General Hospital at Health Sciences Centre in Winnipeg with the class of 1956B, and went on to complete her examinations to become a registered nurse.

Following her graduation, Mildred worked in the Gynecology ward at the Winnipeg General Hospital. She then moved to Victoria, British Columbia, and worked at the Royal Jubilee Hospital. She went on to live in Europe for four years and upon her return, worked in the post-cardiac ward at St. Paul's Hospital in Vancouver. Her love for travel and adventure took her to Honolulu, Hawaii, where she worked in the Pediatrics ward at Kaiser Permanente. When she returned to Winnipeg, Mildred furthered her education by obtaining a Bachelor of Nursing degree in 1970 while working part-time on the Orthopaedic ward at the Health Sciences Centre.

From 1970 to 1995, Mildred Lucky worked as a Public Health Nurse with the City of Winnipeg. In 1980, with the approval of the City of Winnipeg and the Manitoba Association of Registered Nurses, she established the first private nursing foot-care business which she delivered to clients' homes. Since her retirement in 1995, Mildred has returned to her beloved Honolulu almost annually, has volunteered as a speaker for the Osteoporosis Society and has volunteered with the City of Winnipeg Retirees group at the annual Schools Music Festival. Mildred continues to be eager to see all that the world has to offer!

Each year, a bursary valued at the available annual income from the fund, will be offered to a student (first in fall of 2002) who:

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- (1) is enrolled full-time in the third year of study toward a Bachelor of Nursing degree at the University of Manitoba;
- (2) has achieved a minimum cumulative grade point average of 2.5;
- (3) has demonstrated the financial need on the standard University of Manitoba bursary application form.

The selection committee shall be the Student Promotions and Awards Committee of the Faculty of Nursing.

DAVID G. FISH MEMORIAL SCHOLARSHIP

In memory of Dr. David G. Fish, his family, friends, and colleagues have established an endowment fund at the University of Manitoba. The Manitoba Scholarship and Bursary Initiative has made a contribution to this fund. Dr. David G. Fish (1929-2000) was the founding Department Head of the Department of Social/Preventative Medicine at the University of Manitoba. He devoted his career to graduate education and international health. This fund not only commemorates Dr. Fish, his vision, and his accomplishments, but it provides support and recognition to graduate students who focus their research on international health.

Once the fund is able to support a scholarship of \$5,000, the first scholarship will be offered. After that time, the award may be increased, if the interest generated by the fund permits such an increase. The scholarship shall be offered to a student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies, in the Department of Community Health Sciences;
- (2) has achieved high academic standing on all courses completed to date (both graduate and undergraduate), with a minimum cumulative grade point average of 3.75 or equivalent;
- (3) is conducting or has proposed to conduct research into issues pertaining to international health;
- (4) is deemed by the selection committee to show great promise for research excellence and future contributions to the field of international health.

The selection committee shall be named by the Head of the Department of Community Health Sciences.

DARREN VOETBERG MEMORIAL AWARD

Mrs. Lorilee Voetberg has established a fund to offer a bursary at the University of Manitoba in memory of her husband, Darren. Born on November 5th, 1966, Darren Voetberg was raised by his family in St. Norbert, Manitoba. His love for gardening was nurtured by his parents, who

both worked in the greenhouse on the farm. At a tender age, he acquired business skills selling vegetables to the neighbors. His parents also felt that French and English were equally important languages to learn, and thus they enrolled their son in the St. Norbert French immersion program, where he flourished in both languages.

Darren attended St. Paul's High School, where he particularly enjoyed working with the Drama Club. His efforts and achievements with the Club were rewarded with a Stage Crew Award. During his summer holidays, Darren held various jobs such as working with the Department of Highways, at a market garden, and welding for his uncle John. Darren graduated from Herzing Institute as a computer programmer and from Red River Community College as a systems analyst. He continued his computer science education part-time at the University of Manitoba. Darren held various positions at Richardson Greenshields, Air Canada, Canadian Tire and Progestic International. He had begun a new career with the Manitoba Department of Natural Resources as a computer systems analyst. Darren had a keen interest in and a vast knowledge of computers. He also had a range of other interests, such as curling, golfing, skiing, and especially photography. He photographed many weddings for his family and friends.

In 1991, Darren Voetberg married his high school sweetheart and soul mate, Lorilee Zaharia, and resided in Charleswood. Darren and Lorilee both had a keen interest in travel and were most excited about their plans for a 10th anniversary trip to New Zealand and Australia. Their names are inscribed on the Millennium Wall in Gisborne, New Zealand, and they were looking forward to visiting this site on their travels. Unfortunately, this dream was not realized. On April 14th, 1999, Darren died tragically in a motorcycle/automobile accident. The accident and his death were highly publicized by the Winnipeg media.

Darren will be remembered as a warm, loving, and generous person with many good friends. He was blessed with great energy, a sunny disposition, and a wonderful, positive attitude toward life. He was always there to lend a helping hand. He lived each day to the fullest. He was a precious gift to all his loved ones and will be greatly missed.

The bursary in memory of Darren Voetberg is valued at \$500. As the fund will not sustain a bursary of \$500 on its own for some time, Mrs. Voetberg has authorized that the bursary can be partially supported by the capital of the fund while the endowment fund is allowed to grow through her additional annual gifts. The portion of her annual gift which is designated to the endowment fund (above and beyond the \$500 for the annual award) shall be matched through the Manitoba Scholarship and Bursary Initiative. The first bursary of \$500 is to be awarded in the fall of 2000. The bursary shall be offered to a student who:

- (1) is enrolled full-time in the final year of the honours or major program in Computer Science in the Faculty of Science, University of Manitoba;
- (2) has achieved a minimum cumulative grade point average of 2.5;
- (3) has demonstrated financial need on the standard University of Manitoba bursary application form;

- (4) is deemed by the selection committee as having shown the greatest promise in the field of Computer Science among the group of students who have met the above criteria.

Preference in selection shall be given to a student who is a graduate of St. Paul's High School.

The selection committee shall be named by the Head of the Department of Computer Science.

DORIS MARJORIE JOHNSON BURSARY IN HUMAN ECOLOGY

To commemorate the life of their mother, the children of Doris Marjorie Johnson (née Blondal) - Janis, Jennifer, Daniel, Jón, JoAnn and Gillian - have established, with a gift of \$50,000, an endowment fund at the University of Manitoba to provide financial assistance to deserving students in the Faculty of Human Ecology. The Manitoba Scholarship and Bursary Initiative has made a contribution to this fund. Doris Marjorie Johnson believed that everyone should have the opportunity to pursue higher education, regardless of his / her financial circumstances. Her children share this view and by establishing a bursary in her name, they seek to honour their mother's beliefs and life achievements.

Doris Marjorie Blondal was born of Icelandic descendants in Glenboro, Manitoba, on August 19, 1921. She was the first daughter of Dr. Agust Blondal and his wife Gudrun. Shortly after Doris' birth, her family moved to Winnipeg, where she attended public school and later graduated from the University of Manitoba, in 1942, with a Bachelor of Science degree in Home Economics. As a student, she was very active in university affairs and was the recipient of awards for her athletic accomplishments. She also served as the first President of the Women's Athletic Directorate at the University. Doris continued her education through graduate work at the Toronto General Hospital. She then served as the Chief Dietitian at the Victoria Hospital in Prince Albert, Saskatchewan. In 1943, Doris Blondal married Lieutenant George Johnson of the Royal Canadian Navy and she performed volunteer services for the Red Cross and various hospitals in Winnipeg during the remaining war years. She also helped to settle war brides in Manitoba. Her husband, George, graduated from medical school in 1950 and the Johnsons moved to Gimli, where George practiced medicine. Doris raised her family while becoming very active in the community of Gimli. She was involved with the Women's Institute, the Lutheran Church, and the curling league. She was instrumental in attracting the Red Cross Swimming Program and figure skating instructors to Gimli and helped to establish the first kindergarten in the town. In 1958, the family moved back to Winnipeg when Dr. George Johnson was elected to the Legislative Assembly from Gimli and was also appointed the Minister of Health and Public Welfare. Doris continued her community work while parenting their six children. She served on the Board of Directors of the Victoria Order of Nurses and the Alumni Association of the University of Manitoba. She also taught home economics and worked on press and public relations for both the Manitoba Speed Skating Association and the Manitoba Special Olympics. In 1986, her husband was appointed Manitoba's twentieth Lieutenant Governor and Mrs. Johnson performed her many duties as Chatelaine of Government House with grace and dignity. Doris passed away on March 29, 1996, at the age of 74. Her husband predeceased her in 1995. Doris Marjorie Johnson was a loving and cherished mother and a woman of intelligence, generosity, wit, and indomitable spirit. She is

deeply missed by all who loved her.

The available income from this memorial fund shall provide bursaries, each valued at no less than \$1,000, to students who:

- (1) are enrolled full-time in the Faculty of Human Ecology*, in any year;
- (2) have achieved a minimum cumulative grade point average of 2.5;
- (3) have demonstrated their well-roundedness by way of a documented history of community involvement and extra-curricular activities;
- (4) have demonstrated financial need on the standard University of Manitoba bursary application form.

* Preference in selection shall be given to students in the Foods and Nutrition Major.

Applicants for this bursary will be asked to submit a brief summary of their community involvement / extra-curricular activities along with their bursary application form.

The selection committee shall be the Student Standing Committee of the Faculty of Human Ecology.

HUMAN GENETICS ENDOWMENT FUND GRADUATE STUDENT AWARD

The Department of Biochemistry and Medical Genetics has created an endowment fund to provide support to their graduate students in a number of ways. One of the purposes of this fund is to provide a graduate award to an exceptional student in Biochemistry and Medical Genetics. From time to time, a portion of the available annual income from the fund (the frequency, number, and value of awards are to be decided by the Human Genetics Endowment Fund Committee) shall be used to provide an award to a graduate student who:

- (1) is enrolled full-time in the Masters or Ph.D. program in Biochemistry and Medical Genetics, in the Faculty of Graduate Studies at the University of Manitoba;
- (2) has achieved a minimum cumulative grade point average (on undergraduate and graduate courses) of 3.5;
- (3) shows great promise and research potential in the area of medical genetics, as deemed by the selection committee.

Applicants will be required to submit an application form (general form used for all graduate awards in Biochemistry and Medical Genetics) to the Head of the Department of Biochemistry and Medical Genetics on or before the designated deadline date. If no worthy candidate is identified in a given year, the interest from the fund may be used for other student support

projects or may be reinvested with the capital of the fund.

The selection committee shall be the Human Genetics Endowment Fund Committee.

AMENDMENTS

HELEN JANZEN MEMORIAL BURSARY

The terms of reference for this bursary are to be amended to state that it will now be offered to a graduate of the Faculty of Human Ecology who is entering the two-year After Degree Certificate Program in the Faculty of Education and who has achieved a minimum cumulative grade point average of 2.5. The remainder of the terms remain unchanged.

UNIVERSITY GOLD MEDAL IN THE FACULTY OF PHARMACY

The terms of reference for this medal are being amended. The Faculty wishes to clarify its original submission for amendment of the terms of reference for its Gold Medal that although they now consider grades obtained on transfer courses in calculations for the University Gold Medal in Pharmacy, they are only considering courses transferred from other Faculties at the University of Manitoba, not courses transferred from other, external institutions.

MANITOBA PHARMACEUTICAL ASSOCIATION PRESIDENT'S PRIZE

The terms of reference for this prize are to be amended. The prize will no longer be a book, but will rather be a \$250 cash prize. The prize is given directly by the Manitoba Pharmaceutical Association to the recipient.

MARY PFLUEGER AWARD and BURSARY

The terms of reference for these two awards are to be amended to allow each award to be valued at the available annual income from the fund which supports it. Previously, the awards were limited to \$50 and \$250 each, respectively.

M.Ph.A. GOLD AND SILVER MEDAL IN FOURTH YEAR PHARMACY

The terms of reference for these awards sponsored by the Manitoba Pharmacists' Association are to be amended. The new terms will state that the awards are given to the graduating students who have achieved the highest and second highest standings in the aggregate of first, second, third and fourth years in pharmacy courses only (i.e., those numbered 46.XXX) and who have completed at least 80 percent of the required course load in each of the four years of the four-year program in the Faculty of Pharmacy.

JANE DAVIE MEMORIAL BURSARY

At the time that this award was established it was only to be offered twice, in 1999 and 2000. Due to a one-time additional donation, this bursary will also be offered in 2001, for a total of three awards. In 2000, the bursary will be valued at \$325 and in 2001, the bursary will be valued at the balance of the fund.

CANADIAN ASSOCIATION OF PHYSICISTS AWARD

A provision is to be added to the terms of reference for this award to allow it to be offered to a student ranking next in line among the top ten finishers of those who participated in the Canadian Association of Physicists High School Prize Examination in Manitoba, if one of the top three students does not register at the University of Manitoba.

DR. A.A. YAUNISKIS MEMORIAL BURSARY

The terms of reference for this award are to be amended to state that the available annual income from the fund shall support three bursaries (previously was one), two of which will each be valued at 35 percent of the income. The third bursary will be valued at 30 percent of the income.

ROSS A. JOHNSTON PRIZE IN FAMILY LAW

Currently, this prize is offered to a Third Year Law student for outstanding performance in at least two of Family Law (45.256), Clinical Family Law (45.390), and Children and the Law (45.309). Starting in academic session 2000-2001, a new course will be added to this list of considered courses. It is the course Advanced Family Law (currently numbered 45.325). Recipients of this prize will be required to demonstrate outstanding performance in at least two of these four courses.

UNIVERSITY WOMEN'S CLUB OF WINNIPEG JUBILEE SCHOLARSHIP**DR. DIANE DOWLING SCHOLARSHIP****ELIZABETH ANN RUSSELL MEMORIAL SCHOLARSHIP****ELSIE GAUER SCHOLARSHIP****PATTY KIRK MEMORIAL SCHOLARSHIP**

The University Women's Club of Winnipeg has generously offered to increase the value of each of the above named awards in value from \$500 to \$600. These new values take effect in the year 2000.

SCARROW & DONALD AWARDS

The terms of reference for these awards are to be updated and clarified. Firstly, the terms will state that Scarrow & Donald is a Chartered Accountancy firm, in case readers of the terms are not aware of this fact. Secondly, the deadline date stated in the terms is being amended from

March 31 to June 30. Finally, by way of clarification, the terms will now state that one of the awards is offered to a full-time undergraduate student in the Accounting Major (minimum 80 percent of a normal course load) who is entering the second last year in the Faculty of Management. The second award shall be offered to a full-time undergraduate student in the Accounting Major who is entering the graduating year in the Faculty of Management. The terms will also stress the importance of the criterion that applicants must demonstrate community or University service.

MARN FOUNDATION GRADUATE AWARD

The terms of reference for this award are to be amended slightly. The terms will now state that the award is for students who are pursuing graduate *education* in a health-related field. Previously, the terms stipulated that the recipients were to be pursuing, specifically, graduate *research* in a health related field.

SHINFIELD FAMILY BURSARY

The terms of reference for this bursary are to be amended, upon a request from the donor. The terms are to state that the bursary will be valued at \$1000 annually, rather than at the available annual income from the fund.

McCRORIE-WEST FAMILY FELLOWSHIP FOR ALZHEIMER RESEARCH

The terms of reference for this fellowship are to be broadened to allow students from other areas, including Medicine, to be eligible for this award. However, the criteria remain firm in that the recipient must be conducting research into a cure for Alzheimers and he/she must be at the Ph.D. level of study. As this fellowship will no longer be linked only to the Faculty of Medicine, the selection committee will now be named by the Dean of the Faculty of Graduate Studies, rather than by the Dean of the Faculty of Medicine. The office of the Faculty of Graduate Studies shall now collect the applications (previously to be done by the Faculty of Medicine).

ALICE MEREDITH JONES MEMORIAL BURSARY

The terms of reference for this bursary are to be updated to state that applicants for this bursary are to enclose a brief letter outlining why he/she feels that he/she has the potential for becoming a successful, contributing member of the nursing profession. The rest of the terms remain unchanged.

SCHOOL OF MUSIC ENDOWMENT SCHOLARSHIPS

In 1996, the School of Music began to phase in a series of renewable awards for its students and these are now in place, thus the terms of reference for these awards are to be updated. One scholarship from the School of Music Endowment Fund is to be awarded to a first year student on the basis of a combination of his/her performance at audition for the School of Music and his/her entrance grades. Each scholarship is valued at \$4,000 in total, to be disbursed at \$1,000 a year over the four year program in Music. In order to retain eligibility for

the renewal of this award, the recipient must continue as a full-time student and must maintain a cumulative grade point average of at least 3.5. In 2000-2001, the School of Music Scholarship Committee will allocate \$3,000 to these awards. It is the intention of the Endowment Fund Committee to make \$4,000 available at the time when there are three students renewing the award and one new entering recipient. If, in any given year, one of the renewals is not made (due to the recipient not meeting the renewal requirements), the \$1,000 allocated for that renewal will be awarded by the School of Music Scholarship Committee as a scholarship to another exceptional student in the School of Music.

BELL FAMILY BURSARY

The terms of reference for this bursary are to be amended. The terms will now state that the bursary is to be awarded to the student who demonstrates the greatest financial need among the eligible group. Previously, the terms simply stated that the recipient was to demonstrate financial need.

WITHDRAWALS

FACULTY OF SCIENCE ENTRANCE SCHOLARSHIPS

Upon instructions from the Faculty of Science, these awards are to be withdrawn. They were offered only once, in the academic session 1996-97.

FACULTY OF PHYSICAL EDUCATION AND RECREATION STUDIES GRADUATE FELLOWSHIP

Upon instructions from the Faculty of Physical Education and Recreation Studies, this fellowship is to be withdrawn.

CANADIAN LIFE AND HEALTH INSURANCE MEDICAL SCHOLARSHIP

Due to the discontinuation of this national award program, this scholarship is no longer being offered.



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THE UNIVERSITY OF MANITOBA

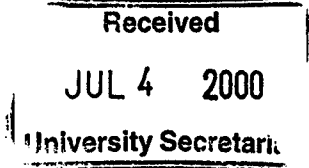
OFFICE OF THE PRESIDENT

208 Administration Building
Winnipeg, Manitoba
Canada R3T 2N2

Fax: (204) 275-1160

4 July 2000

Dr. Leo LeTourneau
Executive Director
Council on Post-Secondary Education
410-330 Portage Avenue
Winnipeg, Manitoba
R3C 0C4



Dear Dr. LeTourneau,

Statement of Intent: M.Sc. in Management

On behalf of The University of Manitoba, I submit herewith a Statement of Intent with respect to a new Masters of Science in Management.

The principal objective of this new program is to produce graduates who have an academically more rigorous training in their chosen field than is normally the case either for B.Comm. graduates or MBA graduates. MBA programs have moved to a generalist focus and are designed for students with little background in management studies. The proposed M.Sc. will fill the need for specialists with a greater understanding of theory and research in their specializations and provide a route through which students can proceed to doctoral studies. Initially, there will be three areas of specialization: Marketing, Human Resource Management, and the Management of Organizations.

This proposed new program will utilize existing graduate courses in the MBA and Ph.D. programs offered in the Faculty of Management. Students will also be required to complete a thesis or a research-based practicum.

If additional information is required for your Council's consideration of this Statement of Intent, please let me know.

Sincerely yours,

Richard A. Lobdell
Vice-Provost (Programs)

Encl.



Dr. Leo LeTourneau
M.Sc. in Management
page 2

cc Emőke J.E. Szathmáry, President
 James S. Gardner, Vice-President (Academic) & Provost
 Fernando deToro, Dean, Faculty of Graduate Studies
 Jerry Gray, Dean, Faculty of Management
 Bev Sawicki, University Secretary

STATEMENT OF INTENT

Institution

- | | |
|--|--|
| <input type="checkbox"/> Brandon University | <input type="checkbox"/> Assiniboine Community College |
| <input checked="" type="checkbox"/> University of Manitoba | <input type="checkbox"/> Keewatin Community College |
| <input type="checkbox"/> University of Winnipeg | <input type="checkbox"/> Red River Community College |
| <input type="checkbox"/> Collège universitaire de Saint-Boniface | |

Program Overview

● Program Name: Masters of Science in Management

● Credential to be offered: Masters of Science in Management

● Does the program require accreditation from a licencing group? ☐ YES ☒ NO
If yes, name group

● Length of the program: 12 to 16 ☐ Years ☒ Months ☐ Semesters

● Proposed program start date: 01/09/01
Day/Month/Year

● Which department(s) within the institution will have responsibility for the program?
Business Administration and Marketing

● As compared to other programs your institution will be proposing, is the priority of this program:
☒ High
☐ Medium
☐ Low

● Is this a new program? ☒ YES ☐ NO

● Is this a revision of an existing program: ☐ YES ☒ NO
If YES, name program
What are the impacts of changing this program?

● Will the program be available to part-time students? ☒ YES ☐ NO

● Will this program have a cooperative education component? ☒ YES ☐ NO
If YES, how long with the field placement be?
a four month practicum, optional to a thesis

● Will the program contain an option to assess the prior learning of students, to grant credit for the skills/knowledge already present? ☐ YES ☒ NO
Provide Details

● Will there be distance delivery options? ☐ YES ☒ NO
Provide Details

● Will this program be delivered jointly with another institution? ☐ YES ☒ NO
If YES, name the institution

● Are similar programs offered in Manitoba or other jurisdictions? ☐ YES ☒ NO
If YES, indicate why this program is needed (e.g., area of specialization)

● What articulation, block transfer or credit transfer arrangements will you be looking at developing for this program?

none are presently planned

1. Program Description

●Describe the program and its objectives:

This program is designed to produce graduates who have an academically more rigorous training in their chosen field than is normally the case either for B.Comm. graduates or MBA graduates from most typical North American MBA programs. It will build on courses taken at the undergraduate level, and will include considerable emphasis on the development of research competencies. There will be three areas of specialization: Marketing, Human Resource Management, and The management of Organizations. Graduates will be uniquely positioned to undertake additional graduate work, to take up staff/research/consultative positions in private or public sector organizations in Canada, or to teach in smaller colleges in Canada or overseas.

●Provide an overview of the content to be taught in this program:

This program will consist mostly of relevant courses already taught in the MBA and Ph.D. programs within the Faculty of Management and complementary courses of direct relevance to a student's area in other faculties. Because the development of research competencies will be critical to the program, at least two advanced methods courses will be required. Students will also be required to complete either a master's thesis or a research-based practicum (e.g., analysis of internal procedures) in a sponsoring organization. Students without adequate preparation in their chosen area will normally be required to take additional undergraduate or graduate level courses accordingly.

2. Enrollment

●What is the program's initial projected enrollment? five students

●What is the projected enrollment for the 2nd and 3rd years? ten students

●Describe the expected student profile?

Students will normally possess: (a) a management degree with a major in the same or a similar area to that pursued in the M.Sc. or (b) a degree from another faculty with a closely related major. Applicants must have maintained a GPA of at least 3.2 in their most recent 60 hours of university credit courses. They will also be required to have completed a GMAT or GRE. These requirements may be waived in exceptional cases, subject to the discretion of the M.Sc. Committee, and provided that university admission standards are not violated.

3. Labour Market Information

●What labour market need is the program expected to meet?

MBA programs have increasingly moved to a generalist focus and are designed for students with little background in management studies. The M.Sc. will thus: (1) fill the need for specialists with a more thorough understanding of theory and research in their area; (2) provide a route through which students can proceed to the Ph.D. level. The former is in demand by large public and private sector employers and by consulting firms, the latter by universities and colleges, which presently face shortages of academically qualified faculty.

●Are there currently jobs in Manitoba in this field?

☒ YES ☐ NO

If yes, where (geographic location and industry)?

Positions exist throughout the province, in both private and public sector organizations.

●What is the future job forecast for individuals with this education/training/credential?

The growing complexity of management, coupled with increased reliance on consultants, have created a high demand for specialists with advanced training in the proposed areas. The lack of programs addressing this demand has thus left a major gap in management education within Manitoba. There is also a serious shortage of individuals qualified to teach and conduct research in the proposed areas of specialization. We therefore have no doubt that our graduates will be in high demand in both the management and educational communities.

●How does this program fit with Manitoba's stated economic, social and other priorities?

This program will: (a) improve the level of managerial competency within the province, b) increase the pool of Manitobans qualified to teach in the province's colleges and universities, c) strengthen the faculty's graduate programs, with positive implications for faculty recruiting and retention.

●What agencies, groups, institutions will be consulted regarding development of the program?

We will consult with the management community, especially within medium to large size private and public sector organizations, to establish their specific needs. We will also consult with other universities to establish a framework conducive to academic success of our graduates in their Ph.D. programs.

●Is there any other information relevant to this program?

We at present plan to offer three areas of specialization: Human Resources Management, Management of Organizations, and Marketing.

4. Financial Information

●Projected Program Costs:	Salary	52,500
	Operating	5,000
	Capital	<u>0</u>
	Total cost	57,500
●Projected Program Revenue:	Tuition	44,000
	Other	<u>0</u>
	Total revenue	44,000

NB: We are also planning to offer fellowships of approximately 15,000 dollars per student. However, these will be externally funded and contingent on the Faculty's ability to raise funds for this purpose through the Dean's fund-raising program. They will not entail any added resource commitment by the university.

Submitted by:John Godard

Name (print)

Professor and Chair, M.Sc. in Mgmt. Committee

Position


SignatureMay 8, 2000

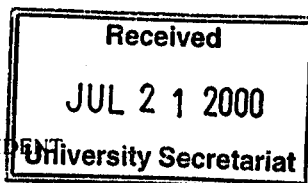
Date



THE UNIVERSITY OF MANITOBA

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OFFICE OF THE PRESIDENT



204 Administration Building
Winnipeg, Manitoba
Canada R3T 2N2

July 20, 2000

Ph: (204) 474-9404
Fax: (204) 474-7568

TO: Ms. Beverly Sawicki, University Secretary
FROM: Joanne C. Keselman, Vice-President (Research)
RE: Report on Research Contracts Received

Jo. Keselman
per J.J.

For the information of Senate, attached please find a Report on Research Contracts Received for the period January 1/00 through June 30/00.

With respect to the report, I would like to note the following:

1. A legend is provided at the end of the report for abbreviations used for the names of sponsors; and
2. Under the column 'Received to Date,' zero amounts are shown for certain contracts. This reflects the situation where a contract has recently been signed but for which no funds, to date, have been received.

Thank you.

/tt
attach.

c.c. Dr. Gary B. Glavin, Associate Vice-President (Research)

RESEARCH CONTRACTS RECEIVED

January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
AGRICULTURAL & FOOD SCIENCES			
PRENTICE B. E.	CNR	5,000.00	HARMONIZATION OF RAILWAYS IN MEXICO
PRENTICE B. E.	ECONOMIC DEVELOP WPG	0	STIMULATING TRADE THROUGH BROADENED MULTI-MODAL TRANSPORTATION ALTERNATIVES (WITH MICHAEL CROCKATT)
PRENTICE B. E.	MAN HIGHWAYS & TRANSPORT	20,000.00	BASE FUNDING - TRANSPORT INSTITUTE
PRENTICE B. E.	TRANSPORT CDA	24,950.00	IMPROVING CANADIAN MOTOR CARRIER PRODUCTIVITY BY REDUCING HEAVY VEHICLE ACCIDENTS (WITH JAKE KOSIOR)
PRENTICE B. E.	WED	10,000.00	PORTS COUNCILS AS THEY RELATE TO THE PORT OF CHURCHILL
PRENTICE B. E.	WED	125,000.00	REPORT OF THE GREEN CORRIDORS PROJECT
PRENTICE B. E.	WED	60,000.00	MID-CONTINENT TRANSPORTATION KNOWLEDGE NETWORK
GUENTER W.	MAAS/ARDI	31,750.00	UTILIZATION OF HULLESS BARLEY IN LAYING HEN DIETS - EFFECT OF ENZYMES (WITH L. D. CAMPBELL, B. SLOMINSKI)(WITH MAN EGG PROD, CDN INT'L GRAINS, WESTERN GRAINS RES FDN, & ALBERTA BARLEY)
HOUSE J. D.	MAAS/ARDI	9,250.00	FOLATE FORTIFICATION OF TABLE EGGS: DEVELOPMENT OF ANIMAL-BASED FUNCTIONAL FOODS (WITH W. GUENTER) (WITH POULTRY COUNCIL, MANITOBA EGG PRODUCERS)
KENNEDY A. D.	ALTA AGRI RES INST	47,196.00	FEEDING STRATEGIES TO REDUCE WINTER MAINTENANCE ENERGY REQUIREMENTS OF FEEDLOT CATTLE (WITH D.M. VEIRA) (WITH BEEF INDUSTRY DEV FUND)
KENNEDY A. D.	MAAS/ARDI	8,685.00	THE EFFECT OF SUPPLEMENTAL LIGHT ON GROWTH CARCASS COMPOSITION AND REPRODUCTIVE DEVELOPMENT OF BEEF CATTLE (WITH J.A. SMALL) (WITH MANITOBA HYDRO)

RESEARCH CONTRACTS RECEIVED
January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
LEWIS N. J.	MAAS/ARDI	13,515.00	TRANSPORTATION OF EARLY-WEANED PIGLETS (WITH MANITOBA PORK COUNCIL)
SLOMINSKI B. A.	MAAS/ARDI	53,000.00	DEVELOPMENT OF A NEW GENERATION OF EXOGENOUS ENZYMES FOR SWINE & POULTRY (WITH S.K. BAIDOO, W. GUENTER, L.D. CAMPBELL) (WITH CANADIAN BIOSYSTEMS, MANITOBA PORK COUNCIL)
WITTENBERG K.	WESTERN INDUSTRIAL CLAY	26,507.00	MODE OF ACTION OF DIATOMACEOUS EARTH IN RUMINANT RATIONS (WITH K. OMINSKI, D. BURTON, Q. ZHANG)
GALLOWAY T. D.	CPRC	16,500.00	SUCCESSION OF INSECTS IN PIG CARCASSES IN MANITOBA (WITH G. ANDERSON)
HOLLIDAY N. J.	AGRIC & AGRI-FOOD CDA	9,000.00	NATURAL INSECTICIDES DERIVED FROM PEAS
HOLLIDAY N. J.	MAAS/ARDI	8,000.00	CLASSICAL BIOLOGICAL CONTROL OF ROOT MAGOTS DELIA SPP. ON CANOLA (WITH CANADIAN COMMONWEALTH SCHOLARSHIP PROGRAM)
ARNTFIELD S. D.	CENTRA GAS	10,000.00	GAS FIRED INFRARED PROCESSING OF PULSES (WITH SASKENERGY & NSERC)
HOLLEY R. A.	BEEF IND DEV FUND	314.70	EFFECT OF FEEDING & MANAGEMENT ON ESCHERICHIA COLI 0157:H7 SHEDDING BY BEEF STEERS (WITH R. HOLLEY, G. CROW)
HOLLEY R. A.	CDA PORK INT'L	0	METAL DETECTION IN FRESH PORK
HOLLEY R. A.	MAAS/ARDI	36,000.00	GREEN DISCOLORATION IN CURED MEATS (WITH MAPLE LEAF MEATS)
HOLLEY R. A.	MAN CONSERVATION	0	MICROBIOLOGICAL EVALUATION OF SOIL AND GROUNDWATER FOLLOWING APPLICATION OF LIQUID HOG MANURE OVER A SHALLOW SAND AQUIFER (WITH G. BLANK)
HOLLEY R. A.	NYMOX PHARMACEUTICAL	3,375.00	PROACTIVE CONTROL OF FOODBORNE PATHOGEN ECOLI 0157:H7 IN RUMINANTS ON THE FARM

RESEARCH CONTRACTS RECEIVED

January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
BRULE-BABEL A.	MAAS/ARDI	35,035.00	FUSARIUM HEAD BLIGHT RESISTANT WINTER WHEAT GERMPLASM DEVELOPMENT (WITH D. FERNANDO) (WITH CANTERRA SEEDS, WESTERN GRAINS RES FDN, NSERC)
LAMARI L.	MAAS/ARDI	26,600.00	EPIDEMIOLOGY OF SEPTORIA LEAF BLOTCH IN MANITOBA (WITH G. BALLANCE) (WITH CANADIAN WHEAT BOARD, NSERC)
MCVETTY P. B.	MAAS/ARDI	202,500.00	RAPID DEVELOPMENT OF HERBICIDE TOLERANT HIGH ERUCIC ACID RAPESEED CULTIVATORS FOR PRODUCTION IN WESTERN CDA (WITH RHONE POULENC CANADA INC.)
SCARTH R.	MAAS/ARDI	103,498.00	DEVELOPMENT OF LOW SATURATE CANOLA BRASSICA NAPUS (WITH CANOLA COUNCIL & MANITOBA CANOLA GROWERS)
82 VAN ACKER R.	MAAS/ARDI	27,000.00	MULTIPLE HERBICIDE RESISTANT WILD OAT: OCCURRENCE AND EVOLUTIONARY MECHANISM (WITH MANITOBA MILK PRODUCERS INC.)
VAN ACKER R.	MAAS/ARDI	25,000.00	THE IMPACT OF HERBICIDE MODE OF ACTION ON LOW-DRIFT SPRAY EFFECTIVENESS (WITH MONSANTO CD INC., BAYER INC., ABJ AGRI PROD., BASF CD INC., WILGER IND. LTD., GREENLEAF TECH. INC.)
VAN ACKER R.	MAAS/ARDI	15,400.00	DANDELION BIOLOGY AND CONTROL IN CONVENTIONAL AND ZERO-TILLAGE ROUNDUP READY CANOLA (WITH MONSANTO CD INC., NSERC)
FLATEN D. N.	MAAS/ARDI	31,000.00	EFFECTS OF SULPHUR NUTRITION ON GRAIN QUALITY OF WHEAT (WITH UGG AND AGRIMUM)
LOBB D. A.	PARC	0	RESTORATION OF AGRICULTURAL LANDSCAPES AS A MEANS OF ADAPTING TO A CHANGED CLIMATE: PHASE I (WITH T. STEM)
SHAYKEWICH C.	MAAS/ARDI	7,700.00	ESTIMATION OF GROUND COVER AND PHENOLOGICAL DEVELOPMENT OF CANOLA FROM WEATHER DATA (WITH NSERC)
SHAYKEWICH C.	PARC	0	CROP PRODUCTION AND ADAPTATION TO CLIMATE CHANGE WITHIN THE CANADIAN PRAIRIES (WITH R. RENWICK, G. ASH)
PRITCHARD M. K.	MAAS/ARDI	27,833.00	REDUCING DISEASE LOSSES INSTORED POTATOES (WITH L. LAMARI) (WITH MCCAIN FOODS, STANCHEM, GUSTAFSON, BIOCIDES)

RESEARCH CONTRACTS RECEIVED
January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
ARTS			
BARBER D. G.	PARC	14,750.00	THE ROLE OF REMOTE SENSING IN PRAIRIE CLIMATE CHANGE IMPACTS AND ADAPTATION
JACOBY T. A.	DFAIT	0	CANADIAN PEACEBUILDING IN THE MIDDLE EAST
MARTIN D. G.	CHILD & FAMILY SERV WPG	27,800.00	COMMUNITY RESOURCE CLINIC (WITH D. FUCHS, B. TEFFT)
STRAIN L. A.	MAN GOVT SERVICES	50,000.00	SUPPORTIVE HOUSING EVALUATION - PHASE 2 (WITH MANITOBA HEALTH)
URSEL E. J.	MAN JUSTICE	11,547.00	WINNIPEG FAMILY VIOLENCE COURT STUDY
URSEL E. J.	PROVINCE OF MAN	0	EVALUATION OF DOMESTIC VIOLENCE GROUP PROGRAM (WITH K.GORKOFF)
SCIENCE			
FORD B. A.	ALTA ENVIR PROTECTION	0	DWARF MISTLETOE INFECTION STUDY
CHARLTON J. L.	MEDICURE INC	1,603.25	PREPARATION OF PYRIDOXAL ANALOGUES
CHARLTON J. L.	MEDICURE INC	0	AN INVESTIGATION OF THE NUCLEAR MAGNETIC RESONANCE SPECTRA PYRIDOXAL ANALOGUES
GUO B.	US ARMY	2,941.30	MATHEMATICAL PROBLEMS OF THE LATTICE MATERIALS
LONDREY K.	UNIV OF KANSAS	3,000.00	STUDY OF THE FATE AND ATTENUATION OF TRACE ORGANIC CONTAMINANTS IN AQUATIC ENVIRONMENTS
MANAGEMENT			
WARREN R.	NRC	2,000.00	INVESTIGATION OF POULTRY BLOOD COMPONENTS

RESEARCH CONTRACTS RECEIVED
January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
DENTISTRY			
DAWES C.	UNILEVER	26,688.71	THE EFFECTS ON SALIVARY FLOW RATE OF EIGHT DIFFERENT BEVERAGES
SUZUKI M.	3M USA	2,007.24	CLINICAL EVALUATION OF A NEW UNIVERSAL HYBRID COMPOSITE RESIN (3M) AS A POSTERIOR RESTORATIVE MATERIAL (WITH L. STOCKTON, D. DAVIDSON)
ENGINEERING			
CLAYTON A. M.	MAN HIGHWAYS & TRANSPORT	94,000.00	TRAFFIC INFORMATION SYSTEM
RASMUSSEN P. F.	NATURAL RESOURCES CDA	0	STATISTICAL CONSIDERATIONS OF THE CHOICE OF CLIMATE EXTREME INDICES (WITH CLIMATE CHANGE ACTION FUND)
RIZKALLA S. H.	MAN HIGHWAYS & TRANSPORT	5,229.24	USE OF ISIS CDA TECHNOLOGY FOR BRIDGES & HIGHWAYS IN MANITOBA
SHALABY A.	MAN HWYS & GOVT SERVICES	0	RUTTING PERFORMANCE AND STRENGTH TESTING OF ASPHALT CONCRETE PAVEMENTS
GOLE A. M.	HVDC RES CTR	5,737.93	ASSIST ENGINEERS AT KEPSCO WITH MODELLING OF CONTROLS FOR THE CHEJU ISLAND HVDC SCHEME
MCLAREN P. G.	ALSTOM T & D PROTECTION	42,461.69	STAGE 8 OF THE CT SIMULATION PROJECT (WITH D.MUTHUMUNI, W. CHANDRASENA)
MCLEOD R. D.	HUMAN RESOURCES DEV	0	GOING DIGITAL: THE EFFECTIVENESS OF ONLINE LAB ENVIRONMENTS IN ENGINEERING EDUCATION (WITH D. HLYNKA)
MCLEOD R. D.	NORTEL OTTAWA	5,000.00	SYSTEM DESIGN WITH EMPHASIS ON BROADBAND NETWORKS (ATM) (WITH D.BLIGHT) (WITH NORTEL-BROADBAND, IDERS & MICRONET)
NATERER G. F.	GKN WESTLAND HELICOPTERS	0	PREVENTING IN-FLIGHT ICING AND FLOW BLOCKAGE AT A HELICOPTER ENGINE INLET (WITH N. POPPLEWELL)

RESEARCH CONTRACTS RECEIVED

January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
HUMAN ECOLOGY			
ESKIN N. A. M.	MAAS/ARDI	30,750.00	RAPID ANALYTICAL TESTS FOR PREDICTING OIL QUALITY IN OILSEED BREEDING (WITH SASK. WHEAT POOL, FLAX COUNCIL, UGG, CANOLA COUNCIL, LIMAGRAIN, UNIV. OF SASK, DOWAGRO, ONTARIO SOYBEAN GROWERS, DUPONT, CALGENE)
MALCOLMSON L.	MAAS/ARDI	35,700.00	FLAX AND FLAXSEED COMPONENTS IN BAKED PRODUCTS: EFFECTS ON GLYCEMIC CONTROL IN DIABETES (WITH C. TAYLOR) (WITH FLAX COUNCIL)
TAYLOR C. G.	MAAS/ARDI	17,300.00	EFFECTS OF FLAXSEED OIL ON GLYCEMIC CONTROL, INSULIN RESISTANCE, & ADIPOSE METABOLISM (WITH FLAX COUNCIL)
MEDICINE			
ANTHONISEN N.	AMER LUNG ASSOC	12,862.50	ASTHMA CLINICAL RESEARCH CENTRE PROGRAM
KVERN B. L.	HEALTH CDA	0	BENZODIZEPINE USE IN THE ELDERLY (WITH HEALTH TRANSITION FUND)
DAVIE J. R.	US ARMY	21,847.44	DETECTION OF GENETIC LESIONS IN BREAST CANCER
DAVIE J. R.	US ARMY	0	REGULATION OF P21 EXPRESSION IN HUMAN BREAST CANCER CELLS
LEYGUE E.	US ARMY	0	MAMMAGLOBIN AND LIPOPHILIN RELATED MOLECULES IN NORMAL AND TUMOR HUMAN BREAST TISSUE: EXPRESSION, HORMONE REGULATION AND FUNCTIONAL ANALYSIS
MURPHY L. C.	US ARMY	8,962.49	THE ESTROGEN RECEPTOR & ITS VARIANTS AS RISK FACTORS IN BREAST CANCER (WITH P.H. WATSON, L. MURPHY)(WITH BREAST CANCER RES PROG)
MURPHY L. C.	US ARMY	0	STEROID RECEPTOR RNA ACTIVATOR (SRA) CAN BE EXPRESSED AS A PROTEIN AND IS MUTATED IN HUMAN BREAST CANCER (WITH E. LEYGUE)
HAYGLASS K. T.	NOVOPHARM BIOTECH	10,000.00	IN VIVO GROWTH OF MONODORAL AB NBGM1
HAYGLASS K. T.	NOVOPHARM BIOTECH	5,980.00	ELECITATION & INITIAL CHARACTERIZATION OF HUMORAL & CELL MEDIATED IMMUNE RESPONSES TO ANTI-ID VACCINE 4B5
HAYGLASS K. T.	NOVOPHARM BIOTECH	0	DETERMINATION OF HUMORAL AND CELL MEDIATED IMMUNE RESPONSES

RESEARCH CONTRACTS RECEIVED
January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
SEHON A.	GENZYME CORP	54,225.07	THERAPEUTIC EFFICACY OF ALLERGEN-MPEG CONJUGATES FOR IMMUNOSUPPRESSION
ANGEL A.	DAIRY FARMERS OF CDA	40,000.00	THE HDL SCAVENGER RECEPTOR SYSTEM IN ADIPOSE TISSUE: STRUCTURE & FUNCTION
MINUK G. Y.	HEALTH CDA	24,985.76	THE USE OF MEDICAL INFORMATICS TO IMPROVE THE COMFORT LEVEL OF GASTROENTEROLOGISTS CARING FOR PATIENTS WITH HCV (WITH K. KAITA)
MINUK G. Y.	INTERFERON SCIENCES INC	25,495.20	A PHASE 3 STUDY TO COMPARE THE SAFETY & EFFICACY OF ALFERON IN PREVIOUSLY UNTREATED PATIENTS WITH CHRONIC HEPATITIS C INFECTION (WITH B.G. ROSSER & K. KAITA)
86 WILKINS J. A.	ALLERGAN	0	TESTING OF ANTIBODIES
AOKI F. Y.	EMBRO RES	6,260.00	ASSESSING THE IN VITRO H5V INHIBITORY ACTIVITY OF STANNOUS ION
AOKI F. Y.	HWC	52,179.00	FIRST REVIEW OF NEW DRUG SUBMISSION & TO PROVIDE ON DEMAND EXPERT ADVICE (WITH D. SITAR, P. MONTGOMERY, L. HOESCHEN M. TENENBEIN, R. GRYPONPRE, R. MEATHERALL)
BRUNHAM R. C.	CONNAUGHT LABS LTD	37,500.00	CHLAMYDIA DNA VACCINE DEVELOPMENT WITH MRC UNIV/IND
BRUNHAM R. C.	UNIV OF WASHINGTON	65,034.85	CELLULAR IMMUNE PATHOGENESIS OF CHLAMYDIA TRACHOMATIS PID
MOSES S.	UNIV OF WASHINGTON	14,650.00	PREPARATORY AIDS VACCINE EVALUATION STUDIES
MOSES S.	UNIV OF WASHINGTON	2,850.09	NON-VACCINE PREVENTIVE INTERVENTION TRIALS
MOSES S.	UNIV OF WASHINGTON	0	CTLs AND PREVENTION OF BREAST MILD HIV-1 TRANSMISSION (WITH NIH)
LAW B. J.	DALHOUSIE UNIV	5,323.80	AN OPEN MULTICENTRE, COMPARATIVE STUDY OF THE EFFICACY, SAFETY & TOLERATION OF AZITHROMYCIN ORAL SUSPENSION & ILOSONE IN THE TREATMENT OF CHILDREN WITH INFECTIONS CASUED BY BORDETELLA PERTUSSIS & A STUDY ON THE...PERTUSSIS
LAW B. J.	MERCK FROSST	5,000.00	SAFETY AND IMMUNOGENICITY OF LIVE ATTENUATED OKA/MERCK VARICELLA VACCINE IN CHILDREN LISTED TO UNDERGO SOLID ORGAN TRANSPLANTATION

RESEARCH CONTRACTS RECEIVED

January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
LAW B. J.	SMITH KLINE	1,435.85	AN OPEN STUDY TO EVALUATE THE IMMUNOGENICITY AND RACTOLENICITY OF SMITH KLINE BEECHAM BIOLOGICALS COMBINED HEPATITIS A/HEPATITIS B VACINE IN HEALTHY CHILDREN AGED 1-6 (HAB-039) AMENDMENT-EXTENSION
LAW B. J.	VIRO PHARMA INC	3,811.40	A MULTICENTER, DOUBLE-BLIND, PLACEBO CONTROLLED TRIAL OF PLECONARIL IN THE TREATMENT OF ENTEROVIRAL MENINGITIS IN CHILDREN & ADOLESCENTS
OGBORN M. R.	DAIRY FARMERS OF CDA	30,000.00	REDUCTION OF CASEIN NEPHROTOXICITY BY DIETARY LIPID MANIPULATION (WITH H. AUKEMA)
WATSON P. H.	US ARMY	32,472.83	IDENTIFICATION OF GENETIC MARKERS OF THE INVASIVE PHENOTYPE IN HUMAN BREAST CANCER
WATSON P. H.	US ARMY	51,222.47	THE ROLE OF RANBPM IN EARLY PROGRESSION OF BREAST CANCER
BEGLEITER A.	AMER INST CANCER RES	6,698.20	INCREASING THE EFFECTIVENESS OF BIOREDUCTIVE ANTITUMOR AGENTS
LAUTT W. W.	DIABEX INC	0	DEVELOPMENT OF THERAPY FOR DIABETES
DODD J. G.	AMER INST CANCER RES	14,031.57	PROSTATE CANCER PROGRESSION IN A TRANSGENIC MOUSE MODEL: DIETARY INTERVENTION
SHIU R. P.	US ARMY	11,208.38	PROPROTEIN CONVERTASES IN HUMAN BREAST CANCER
O'NEIL J. D.	ASSEMBLY OF MB CHIEFS	0	HOUSEHOLD DISABILITY SURVEY
O'NEIL J. D.	FOUR ARROWS HLTH AUTH	43,000.00	HEALTH SYSTEM REVIEW FOR THE ISLAND LAKE FIRST NATIONS (WITH T.K. YOUNG)
ROOS N. P.	MDH	1,850,000.00	MANITOBA CENTRE FOR HEALTH POLICY AND EVALUATION - INTERIM FUNDING (WITH L. ROOS, E. SHAPIRO, C. BLACK, ET AL)
YASSI A.	WORKERS COMP BOARD OF MB	19,752.00	WORK READY - A PROJECT TO DEFINE THE APPROACHES USED BY CHIROPRACTORS TO INCREASE FUNCTIONAL STATUS & DECREASE TIME LOST FOLLOWING WORK-RELATED MUSCULOSKELATAL DISORDERS IN 3 CDN PROVINCES

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RESEARCH CONTRACTS RECEIVED

January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
YASSI A.	WORKERS COMP BOARD OF MB	83,740.00	ENHANCING THE ROLES OF MANITOBA PRIMARY CARE PHYSICIANS IN DECREASING DISABILITY SECONDARY TO WORK RELATED SOFT TISSUE INJURIES
YOUNG T. K.	KEEWATIN REGIONAL HEALTH	0	NORTHERN MEDICAL UNIT PROGRAM - NUNAVUT (WITH KIVALLIQ)
YOUNG T. K.	KEEWATIN REGIONAL HEALTH	0	NORTHERN MEDICAL UNIT PROGRAM - NJM LIBRARY SUB ACCT
SOCIAL WORK			
BRACKEN D. C.	PROVINCE OF MAN	26,275.96	DOMESTIC VIOLENCE PROGRAMMING: EVALUATION OF MANITOBA PAST PROGRAM (WITH B.BACON)
TAYLOR-HENLEY	WRHA	29,150.00	LONG TERM CARE HEALTH SERVICE NEEDS OF ABORIGINAL PEOPLES (WITH A. CHARTER, S. FRANKEL, J. O'NEIL)
PHARMACY			
GU X.	CANGENE CORP	13,513.59	PHARMACOKINETICS AND DISTRIBUTION OF TWO RHAMM (RECEPTOR FOR HYALURONAN-MEDIATED MOBILITY) PEPTIDES IN RABBITS
HASINOFF B. B.	UNIV OF PITTSBURGH	28,365.23	MECHANISM OF ACTION & RESISTANCE TO ICRF-187
METGE C. J.	CDN OFFICE FOR HLTH TECH	40,092.00	CLINICAL AND ECONOMIC EVALUATION OF NEW FLUOROQUINOLONES IN COMMUNITY ACQUIRED PNEUMONIA (WITH G. ZHANEL, L. VERCAIGNE)
ZELENITSKY S.	BAYER INC	38,500.00	PHARMACODYNAMIC OF MOXIFLOXACIN COMPARED TO LEVOFLOXACIN CLARITHROMYCIN AGAINST STREPTOCOCCUS PNEUMONIAE (WITH R. ARIANO, G. HARDING)
PHYS.EDUC & RECR TN.STUDIES			
GIESBRECHT G.	DND	35,000.00	COGNITIVE AND MOTOR PERFORMANCE DURING COLD EXPOSURE - IMPACT ON SURVIVAL TIME PREDICTIONS

RESEARCH CONTRACTS RECEIVED

January 1, 2000 - June 30, 2000

FACULTY/ NAME	SPONSOR	RECEIVED TO DATE	TITLE
NATURAL RESOURCES INSTITUTE			
SIMONOVIC S.	MAN CONSERVATION	0	A DECISION SUPPORT SYSTEM FOR FLOOD MANAGEMENT
SIMONOVIC S.	NATURAL RESOURCES CDA	50,000.00	ASSESSMENT OF THE IMPACT OF CLIMATE VARIABILITY AND CHANGE ON THE RELIABILITY RESILIENCE AND VULNERABILITY OF COMPLEX FLOOD PROTECTION SYSTEMS
LIBRARIES			
TALBOT G. O.	NATIONAL LIBRARY OF CDA	4,143.50	PRODUCE NLC WITH CATALOGUING ENTRIES FOR TITLES TO BE PUBLISHED BY PUBLISHERS FALLING WITHIN THE REGIONAL JURISDICTION OF MANITOBA AND SASKATCHEWAN
ADMINISTRATION-SPECIFIC			
OSMAN D. G.	DFAIT	23,100.00	CONTRIBUTION TO THE PROJECT OF COMPLETE DETAILED ASSESSMENT AND PROCEED WITH REMEDIATION OF FIVE UKRAINIAN NUCLEAR POWER PLANTS BY THE SCIENCE AND TECHNOLOGY CENTRE OF UKRAINE
		4,226,794.24	

Sponsor Legend

Abbreviations	Complete Name
ARDI	Agriculture Research Development Initiative
BASF CD	BASF Canada Inc.
CNR	Canadian National Railway
CPRC	Canadian Police Research Institute
DFAIT	Department of Foreign Affairs & International Trade
DND	Department of National Defence
EMBRO RES	Embro Research Group, Antiviral research company, Florida. Assessing in vitro herpes simplex virus inhibitory activity of stannous ion.
HWC	Health Welfare Canada
MAAS	Manitoba Association of Agricultural Societies Inc.
MDH	Manitoba Department of Health
NIH	National Institute of Health
NRC	National Research Council
PARC	Prairie Adaptation Research Cooperative (Sub-component of Climate Change Action Fund)
UGG	United Grain Growers
WRHA	Winnipeg Regional Health Authority
WED	Western Economic Diversification



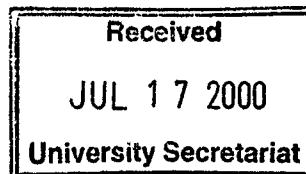
University of Manitoba

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FACULTY OF GRADUATE STUDIES

500 University Centre

MEMORANDUM



Date: July 11, 2000

To: Ms Beverly Sawicki, University Secretary

From: Dr. Fernando de Toro, Dean, Faculty of Graduate Studies

Subject: Senate agenda material: For Information Only section

Health Administration Stream in the Part-time MBA Program

I wish to inform Senate that at the May 18, 2000 meeting of the Faculty Council of Graduate Studies the "Proposed Concentration in Health Administration in the Part-time MBA Program" was considered. The proposed concentration arises from a partnership that the Department of Community Health Sciences initiated with Management about a year ago. Council discussion centered mainly around other possibilities of partnering with Management and whether this was the best combination to deliver a Health Administration stream. Interested parties were encouraged to investigate additional partnerships with Management. The change is not a major one in the MBA; the difference is that students can receive an MBA in Health Administration after taking 12 credit hours from the Department of Community Health Sciences; the remaining 48 credit hours (to give a total of 60 for the MBA) are to come from the existing Part-time MBA program courses. Some flexibility in work schedules will be required of students wishing to enroll in the program and the Department of Community Health Sciences may have to modify their scheduling of some courses to fit within the MBA slots. The proposed stream in Health Administration in the Part-time MBA was subsequently approved by Council.

FEB - 1 2000

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Proposal For An Area of Concentration in Health Administration in the Part-Time MBA Program

A. Preamble

The Department of Community Health Sciences (DCHS), Faculty of Medicine, and the Faculty of Management have been discussing the possibility of developing an area of concentration in Health Administration in the part-time MBA program. Discussions have been on-going for almost a year and have culminated in this proposal. The program structure has been approved by the MBA Program Committee. The proposed area of concentration utilizes existing courses from the DCHS and allows MBA students interested in Health Administration to tailor their program accordingly.

An area of concentration in Health Administration serves the needs of the rapidly changing health care system in Manitoba and elsewhere in Canada, enhances the visibility and relevance of both the DCHS and the Faculty of Management in the community, and promotes the spirit of inter-departmental collaboration and multi-disciplinary education envisioned in the report of the University's Task Force on Strategic Planning.

None of the existing degree/diploma programs in either DCHS or FOM serves students who desire a graduate management education with a health focus, who aspire to become administrators/managers of health care facilities and programs in acute hospital care, personal and long-term care, or public health. The absence of a health care concentration may have deterred potential students from enrolling in the part-time MBA program. It is also likely that there are students currently in the program who would be interested in selecting the health administration area of concentration. A precedent for this type of area of concentration already exists in the Agribusiness area of concentration offered in collaboration with the Faculty of Agriculture and Food Sciences.

B. The Need

The health care and health-related sectors in Manitoba are a major economic force constituting approximately 25% of total employment in the Province. Health care is an increasing proportion of government spending and greater attention is being directed toward the management issues in health care.

Individuals who desire a graduate education in health care presently have few choices. Graduate degrees in health administration are offered at several other Canadian universities. Some are in faculties of medicine (e.g., Toronto), while others are in faculties of management (e.g., Ottawa). Several U.S. universities offer distance learning graduate programs, but these tend to be very expensive and are often not relevant to the Canadian health care scene. Given the current budgetary constraints which makes the implementation of a Master's in Health Care

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Administration at the University of Manitoba unlikely, developing an area of concentration in Health Administration within the part-time MBA makes considerable sense.

C. Structure of the Area of Concentration in Health Administration

The area of concentration in Health Administration will consist of 12 credit hours as follows:

Required:

93.732 Organization and Financing of the Canadian Health Care System

93.751 Principles of Epidemiology

Six Credit hours (two courses) from the following:

93.730 Health Policy and Planning

93.713 Methods in Health Services Research and Evaluation

93.729 Economic Evaluation of Health Care

93.731 Epidemiology of Health Care

93.750 Core Concepts in Public Health

98.701 Industry Project can be used as a 3 credit hour *elective* course for field placements in health care organizations upon approval of the MBA Program Committee. Placements and supervision of the placements will be the responsibility of the Department of Community Health Sciences.

D. Enrolling in the Area of Concentration

MBA students desiring to enroll in the Health Care Management area of concentration will be advised to meet with the Head of the Department of Community Health Sciences and/or the Director of Graduate Studies of the Department of Community Health Sciences prior to registration.

E. Individual course enrollments

Upon approval of the MBA Committee and the Department of Community Health Sciences, MBA students may enroll in individual courses in the Department of Community Health Sciences without enrolling in the area of concentration in Health Administration. Normally, an MBA student is limited to two courses under this arrangement.

F. Prerequisites

Discussions with the DCHS indicate that MBA students would have the necessary background to successfully complete all of the courses listed.

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G. Enrolment Limit

Resource constraints in the DCHS require that annual enrolment targets be limited to 5 new students per year. Other limits may be required, depending upon total student enrolment in specific courses.

H. Course Scheduling

The DCHS understands the requirement to schedule courses to meet the needs of part-time MBA students.

I. Thesis Option

The thesis option is not normally available to students in the Health Administration area of concentration.

J. Review of the Area

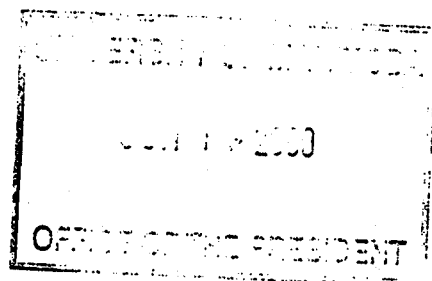
The Health Care Administration area of concentration will be reviewed in 2004 by the MBA Program Committee

Passed by Faculty Council 28/01/00

Council on Post-Secondary Education ❖ Conseil de l'enseignement postsecondaire

June 15, 2000

Dr Emöke Szathmary
 President and Vice Chancellor
 The University of Manitoba
 Room 200 Administration Building
 Winnipeg MB R3T 2N2



Dear Dr Szathmary:

I am pleased to announce that at its June 9, 2000 meeting, the Council on Post-Secondary Education approved the following program proposals received from the University of Manitoba:

B. A. in ASL/English Interpretation	\$118.0 in year 1 and \$ 93.0 for subsequent years
Aboriginal Business Education Program (ABEP)	\$100.0 ongoing
Partners Program – Faculty of Architecture	\$140.0 for two years
B. A. in Global Political Economy (3&4 years)	No funding requested
Diploma in Population Health	No funding requested
Diploma in Actuarial Studies (Basic and Adv) -discontinue Masters Program in Actuarial Studies	No funding requested
Masters of Math, Computational and Statistical Sciences	No funding requested
B.Sc. Psychology	No funding requested

While it has been approved, Council would be interested to receive additional information regarding the Masters of Mathematical, Computational and Statistical Sciences and the practicum committee of two people. I will assume that students have individual advisory committees. If that is so, how would the two-member practicum committee relate to the advisory committee? Are the requirements of the practicum component of the program consistent with all other practicum programs offered by the University?

There is one outstanding question with regards to the ASL/English Interpretation program. The proposal identified that a half-time position was required for Red River College as part of the joint program. Should the \$32.2 identified for this position be forwarded directly to the College, or will this person also be a half-time employee of the University? Please advise us as soon as possible to assist in ensuring that all program funds are directed to the appropriate source.

You will note that the Arts Cooperative Education program was not approved at this time. Council supports the idea of the development of an Arts Co-op program but would request that the University identify potential employers that would be willing to take on co-op students. As well, it would be appreciated if you could indicate whether students interested in this program would have to have a GPA at a certain level, prior to being able to enroll. When these questions have been answered, Council would be pleased to review this proposal for consideration for the 2001/02 Strategic Program Envelope funds.

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Dr. Emöke Szathmary, continued

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I would also like to advise that the Sub-Project 2 of the Library project, using funds from the System Restructuring Envelope, has been approved at \$259.6. These funds will be cash-flowed over three fiscal years, with \$150.0 for vendor fees being provided this year, and the remaining \$109.6 provided over the following two years at \$54.8 each year.

Please contact Margaret McDonald to ensure that these funds are forwarded to the University.

The Council was pleased to receive and approve the above-noted programs which all demonstrated new and creative ways of meeting the educational needs of Manitobans.

Yours truly,

A handwritten signature in dark ink, appearing to read 'LeTourneau', with a large, stylized initial 'L'.

Léo LeTourneau, Ph.D.
Executive Director

- c. Don Robertson
Louise Gordon
Margaret McDonald

August 2, 2000

Report of the Senate Executive Committee

Preamble

The Senate Executive Committee held its regular monthly meeting on the above date.

Observations

1. **Speaker for the Senate Executive Committee**

Professor J. E. Cooper will be the Speaker for the Executive Committee for the August meeting of Senate.

2. **Comments of the Executive Committee**

Other comments of the Executive Committee accompany the report on which they are made.

Respectfully submitted,

Professor K. Ogden, Acting Chair
Senate Executive Committee

Terms of Reference: *Senate Handbook* (Revised 1992), Section 9.

/sgp



University of Manitoba

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FACULTY OF GRADUATE STUDIES
Professor Fernando de Toro, Ph.D.
Dean

500 University Centre
Winnipeg, Manitoba
CANADA, R3T 2N2
Phone: (204) 474-8086
Fax: (204) 474-7553
E-Mail: culligan@ms.Umanitoba.ca

MEMORANDUM

Date: March 16, 2000

To: Ms. Bev Sawicki, Senate Secretariat, 310 Administration Bldg.
From: Dr. Fernando de Toro, Dean, Faculty Council of Graduate Studies
Subject: Recommended Motion for Senate's consideration

At the March 15, 2000, meeting of the Faculty Council of Graduate Studies, the membership endorsed the following motion and requested that it be forwarded to Senate for its consideration:

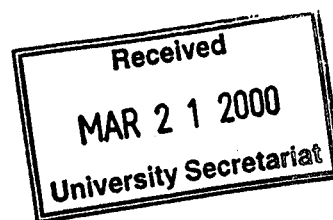
THAT the change from a 2-year to a 1-year designation for the M.Sc. Program in Rehabilitation be approved. (See attachment for rationale).

Thank you for your attention in this matter.

/jc

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the report to Senate.



**Report of the Programs and Planning Committee of the Faculty of Graduate Studies on
program proposals/modifications/deletions.**

Preamble

The Programs and Planning Committee of the Faculty of Graduate Studies met on February 17, 2000 to consider a change in the M.Sc. in Rehabilitation program.

Observations

1. Masters programs in general are designated as a one-year or two-year program. Two-year program fees are twice the one-year program fees.
2. Two-year programs typically have course credit hour requirements that are not possible to complete in one academic year (hence, two-year designation).
3. Very few Master's programs are designated as two-year programs.
4. The School of Medical Rehabilitation was concerned about the inequity in the fees of students arising from the two-year designation of their Master's program and their Executive Committee passed a motion to change the program from a two-year to a one-year designation.
5. Generally, it takes students longer than one year to complete a Master's and as such the designation of program length (one- and two-year) relates primarily to fees.

Recommendation

The Programs and Planning Committee of the Faculty of Graduate studies recommends that the Faculty Council of Graduate Studies approve the change in designation from a "two-year" to a "one-year" Master's for the M.Sc. in Rehabilitation program.

ENDORSED by Exec. Ctl. Mar. 2/00.
ENDORSED by Faculty
Council of Grad Studies March. 15/00



THE UNIVERSITY OF MANITOBA

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FACULTY OF MEDICINE
School of Medical Rehabilitation

T258-770 Bannatyne Avenue
Winnipeg, Manitoba
Canada R3E 0W3

Tel: (204) 789-3897
Fax: (204) 789-3927

December 13, 1999

Dr. F. de Toro,
Dean, Faculty of Graduate Studies,
500F University Centre,
Fort Garry Campus

Dear Dean de Toro:

Re: Designated Length of M.Sc.(Rehabilitation) Program

As you know, the M.Sc.(Rehabilitation) program is designated as a two-year program, unlike other similar programs which have a one-year designation. You also know that the Graduate Committee in the School of Medical Rehabilitation was concerned about the inequity in fee assessment of students arising from the current designation. In August, 1999 we sought your advice on how best to proceed; you replied that the most expeditious way to deal with the situation was to change the program designation from two-year to one-year. This was taken back to the Graduate Committee and subsequently to the Executive Committee of SMR Council. I would like to report to you that at the Executive meeting of November 4, 1999 the following motion was made and passed:

"T. Sturm moved to accept the recommendation to change the year designation of the MSc program from 2 years to 1 year. Seconded/E. Etcheverry"

Therefore, on behalf of the Executive Committee I would like to request formally that the change in designation be made for the M.Sc.(Rehabilitation) program. Please contact me if you have any questions or concerns.

Sincerely,

Juliette E. Cooper PhD
Professor and Director

DEC 15 1999



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THE UNIVERSITY OF MANITOBA

FACULTY OF MEDICINE
School of Medical Rehabilitation

T258 - 770 Bannatyne Avenue
Winnipeg, Manitoba
Canada R3E 0W3

Tel: (204) 789-3397
Fax: (204) 789-3927

August 16, 1999

Dr. F. de Toro,
Dean, Faculty of Graduate Studies,
500F University Centre,
Fort Garry Campus

Dear Dean de Toro:

Re: Designated Length of Masters Programs

I understand that there are a number of different types of Masters programs at the University of Manitoba - full-time and part-time, one and two year designations. Of the full-time programs I note that there appear to be two different "durations" to the programs - One- and Two-years. I further note that the fees for the One-year programs are \$3799 (Standard Fee \$2659, Faculty Fee \$1140) while those for the Two-year programs are \$7598 (Standard Fee \$5318, Faculty Fee \$2280). I believe that the Master of Science (Rehabilitation) program in the School of Medical Rehabilitation was designated a Two-year program at its inception, likely because it is impossible to complete the program (coursework and thesis) in one academic year. However, it has been drawn to my attention that our program is one of a very few with the "Two-year" designation and that M.Sc. programs in units such as Human Anatomy and Cell Science and Physiology have a "One-year" designation although they too consist of both coursework and thesis and would likely require more than one academic year to complete. If all these observations are correct, I would like to request the criteria that are used by the Faculty of Graduate Studies to designate programs as being one- or two-years and the rationale for the fee differential. From the information I have, I must conclude either that our students are disadvantaged or that students in one-year programs may be paying too little.

In addition, attached please find a letter from Ms. Tanvi Bhat, a student in the Master of Science (Rehabilitation) program in the School of Medical Rehabilitation, in which she outlines a negative consequence of the designation of our program, viz that she will be unable to apply for renewal of her fellowship even though her research and thesis work will not be completed. She has asked for consideration of the possibility of renewal of her fellowship and I would like to forward that request to you.

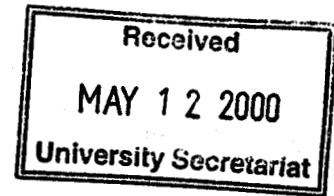
I would like to thank you in advance for consideration of these important issues. As well, I would be pleased to discuss them with you at any time.

Sincerely,

Juliette E. Cooper PhD
Professor and Director

Juliette E. Cooper, Ph.D., OT(C), Professor & Director, School of Medical Rehabilitation
T261 - 770 Bannatyne Avenue, Winnipeg, Manitoba R3E 0W3
Telephone (204) 789-3371; Fax: (204) 789-3927; e-mail: jcooper@ms.umanitoba.ca

AUG 18 1999



10th May

Dr. F. de Toro, Dean
Faculty of Graduate Studies
500F University Center
University of Manitoba

Re: Proposal to change the M.Sc. Program in Rehabilitation from a 2 year to a 1 year designation.

Dear Dr. de Toro,

At its May 9th meeting SPPC considered this proposal. It was noted (i) that there were important resource implications here that had not been explicitly stated and (ii) that the Faculty of Graduate Studies was currently considering a general "time-based fee structure". If SPPC has understood this correctly, it seemed unusual that the students would still be expected to do two years work but only pay one years fees. Arguably, those programs that are currently designated as one year programs, but still require two years work, should be the ones that are changed.

While understanding the case being put for the change was the need to achieve some equity, SPPC felt it would be appropriate to table this request until such time that the fee structure issue had been resolved and it had received an explicit statement as to the resource implications of the proposed change.

Regards

A handwritten signature in dark ink, appearing to read "Norman M. Halden".

Norman M. Halden
Chair, Senate Planning and Priorities Committee

cc. Dr. J. Cooper, School of Medical Rehabilitation
Ms. L. Shore, University Secretariate



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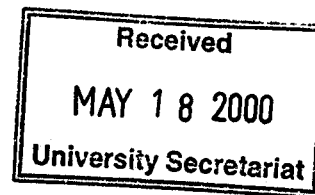
University of Manitoba

FACULTY OF GRADUATE STUDIES
Professor Fernando de Toro, Ph.D.
Dean

500 University Centre
Winnipeg, Manitoba
CANADA, R3T 2N2
Phone: (204) 474-9887
Fax: (204) 474-7553
E-Mail: FdeToro@ms.Umanitoba.ca

May 17, 2000

Dr. Norman Halden
Department of Geological Sciences
240 Wallace Building
125 Dysart Rd.
Winnipeg, MB
R3T 2N2

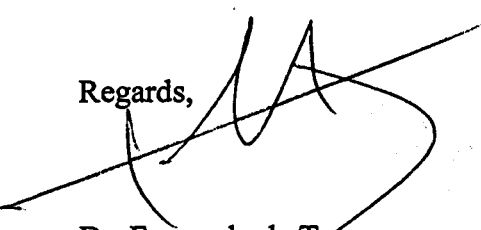


Dear Dr. Halden:

The proposal to change the M.Sc. Program in Rehabilitation from a 2-year to a 1-year designation has absolutely nothing to do with the current discussion of Grad Fees at this faculty. Furthermore, any implementation or change in grad fees structure will take a year of more and it will be inappropriate not to alter the designation that the School of Medical Rehabilitation requested. The legitimate requirement by the school of Medical Rehabilitation to change its designation has been approved by the Faculty of Graduate Studies and we also expect that SPPC will grant this request.

For your information, 100% of the Master's program in this University with a handful of exceptions, are a 1-year Master's program but they all take a minimum of two years or longer to complete. Thus, the current 2-year designation of the School of Medical Rehabilitation is unjustified and inequitable towards their students. Therefore, I will strongly support that your committee reconsiders this decision.

Regards,


Dr. Fernando de Toro
Dean
Faculty of Graduate Studies

cc: Dr. J. Cooper, School of Medical Rehabilitation
Ms. L. Shore, University Secretariat
Dr. T. Secco, Associate Dean, Faculty of Graduate Studies

Report of the Senate Planning and Priorities Committee on the Faculty of Graduate Studies Proposal to Change the M.Sc. Program in Rehabilitation from a Two-Year to a One-Year Program

Preamble

1. The Senate Planning and Priorities Committee (SPPC), under its terms of reference located on pp. 10.21-22 of the *Senate Handbook* (Rev. 1993), is charged with making recommendations to Senate regarding proposed academic programs.
2. The Faculty of Graduate Studies proposes to change the designation of the M.Sc. Program in Rehabilitation from a two- year to a one-year Program. The School of Medical Rehabilitation is concerned about the inequity in fees, in comparison to other programs, arising out of the two-year designation.

Observations

1. The content of the current M.Sc. Program will not be changed. Students will still be required to take courses programmed for a two-year period.
2. The current two-year designation is one of only a very few designated two-year programs in the Faculty of Graduate Studies.
3. In the Faculty of Graduate Studies, the number of years designated to a degree is unconnected to the amount of time necessary to complete the degree and relates primarily to fees.
4. M.Sc. Programs which are considered to be comparable in student work loads (for example the programs in Human Anatomy , Cell Science and Physiology) have one-year designations.
5. Based on current student enrolment, approximately \$28,000 in tuition revenue is generated; this would be reduced to about \$12,000 after changing to a one-year designation.

Recommendations

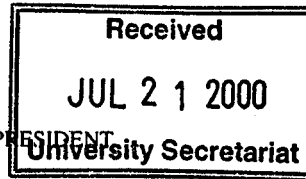
1. In the interests of equity among the students in the Faculty of Medicine, SPPC endorses the proposal to convert the M.Sc. Program in Rehabilitation from a two-year to a one-year Program while awaiting the results of recommendations 2 and 3.
2. SPPC recommends that the Vice-President (Administration) consider the revenue implications for the University, Faculty of Graduate Studies, and Faculty of Medicine.
3. SPPC recommends that the criteria whereby graduate programs are designated as one- or two-years be reviewed, made transparent, and accurately reflect the workload expected of the students and faculty and that the results of the review be presented to Senate.

Respectfully submitted,

Norman Halden, Chair, Senate Planning and Priorities Committee
Robert Tait, Chair, Subcommittee on Program and Curriculum Planning



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THE UNIVERSITY OF MANITOBA

OFFICE OF THE PRESIDENT

204 Administration Building
Winnipeg, Manitoba
Canada R3T 2N2

July 20, 2000

Ph: (204) 474-9404
Fax: (204) 474-7568

TO: Ms. Beverly Sawicki, University Secretary
FROM: Joanne C. Keselman, Vice-President (Research) *J. Keselman*
RE: **Proposal to Establish a Chair in Telecommunications** *per J.I.*

In accordance with Policy 428 *Chairs and Professorships*, a "Proposal to Establish a Chair in Telecommunications" in the Department of Electrical and Computer Engineering, Faculty of Engineering was forwarded to the Senate Committee on University Research for recommendation to Senate.

At the Senate Committee on University Research meeting of July 4, 2000, a motion was passed to recommend to Senate the approval of the "Proposal to Establish a Chair in Telecommunications."

Please place the attached proposal on the next Senate agenda for consideration.

Thank you.

/tt
attach.

Comments of the Senate Executive Committee:

The Senate Executive Committee endorses the report to Senate.



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THE UNIVERSITY OF MANITOBA

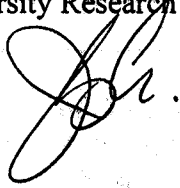
OFFICE OF THE PRESIDENT

202 Administration Building
Winnipeg, Manitoba
Canada R3T 2N2

Fax: (204) 261-1318

June 22, 2000

To: Ms. Terry Thorlakson,
Secretary - Senate Committee on University Research

From: Dr. James S. Gardner
Vice-President (Academic) and Provost 

Subject: Proposal for a Chair in Telecommunications

Enclosed please find a copy of the "Proposal to Establish a Chair in Telecommunications" in the Department of Electrical and Computer Engineering, Faculty of Engineering dated June 2000.

The proposal has my support as well as the support of the Head of the Department and the Dean of the Faculty. Please put this item on the next agenda of the Senate Committee on University Research for their consideration. Thank you.

JSG/gp
encl





THE UNIVERSITY OF MANITOBA

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FACULTY OF ENGINEERING
Office of the Dean



Winnipeg, Manitoba
Canada R3T 5V6

(204) 474-9806/7/8/9
Fax: (204) 275-3773

21 June 2000

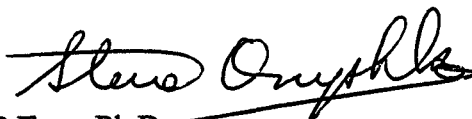
Dr. J.S. Gardner
Vice-President (Academic)
202 Administration Building

Dear Dr. Gardner:

Re: Proposal for a Chair in Telecommunications

The Head of the Department of Electrical and Computer Engineering and I, Dean of Engineering, fully support the proposal for a Chair in Telecommunications. I have attached a copy of the proposal for your information.

Sincerely,

For 
Douglas Ruth, P.Eng., Ph.D.
Professor and Dean

DR/jk

Attach.

Copy: Dr. J. Keselman, Vice-President (Research)
Dr. R. Menzies, Head, Department of Electrical and Computer Engineering



**Proposal to establish a
Chair in Telecommunications**

**Faculty of Engineering
Department of Electrical and Computer Engineering
University of Manitoba**

June 2000

Proposal Summary

In response to the interest expressed by a local corporation in providing support to enhance the research efforts of the Faculty of Engineering, the University of Manitoba proposes to establish a research chair in its Department of Electrical and Computer Engineering. The Chair will be the focus of an internationally recognized centre of excellence in the telecommunications field. Specifically, the Chair will be the foundation of a comprehensive telecommunications research program at the University of Manitoba.

Name of the Chair

The Faculty of Engineering proposes to name the chair the Research Chair in Telecommunications.

Objectives and Benefits of the Proposed Research Chair

The principal objective of the Chairholder will be to build a world class telecommunications research program. Under the leadership of the Chairholder, a vibrant telecommunications research program will emerge over the next three to five years. Specifically, over the first six years this program is expected to grow to include three to four professorial staff, one to two engineering staff, and fifteen to twenty graduate/post-doctoral students. Concurrent with the development of an internationally recognized research program will be the education of a significant number of highly skilled telecommunications personnel who are increasingly in demand by industry. The research program associated with the proposed Chair envisages ten graduate students and one post-doctoral student supported through a combination of donor and NSERC funding. A group of this size would typically also have several students funded through fellowships. The Department is expected to build on the strength of the proposed research program and it is anticipated that at least one more professor will be hired in this research area; this professor will fund an additional four students. Other professors within the Department will join in the activities of the program and fund a further five to ten students in this research area. Therefore, a reasonably conservative estimate is that fifteen to twenty graduate students will be involved in the activities of the program at any one time. By producing a large number of graduates with expertise and experience in telecommunications, the Chair research program will assist in a significant way in addressing the growing shortage of human resources in the electrical and computer engineering fields. Finally, the research program will also act as a catalyst for interactions between the local and the worldwide telecommunications communities.

Relationship of the Chair with the proposed unit

The Faculty of Engineering at the University of Manitoba has been in existence for over eighty-five years and Electrical Engineering has been an important component of the curriculum from the beginning. In terms of research, the Department of Electrical and Computer Engineering is one of the most active at the University and has some of Canada's leading researchers in electrical and computer engineering. The Department currently has twenty-six full-time staff and approximately 150 graduate students. While the Department is very active in some aspects of telecommunications, the Chair will significantly expand the expertise and scope of this activity in the Department.

The following table outlines the Department's activities in the field of telecommunications. As can be seen, the Department covers the two extremes of the area, namely, telecommunications applications and access technologies, very well. The fields of telecommunications transport hardware and software, however, are not as well covered. The Chair will provide a unique and much needed opportunity to complete our coverage of the telecommunication area. Although the research interests of the Chairholder could lie in any of the areas outlined in the table, related hiring will ensure coverage of the Transport Software area. Furthermore, the Chairholder will assume a leadership role in consolidating our research efforts in all areas outlined in the table, making this one of the strongest telecommunications technology groups in the nation.

Category	Activities	Personnel
Telecommunications Applications including Internet Applications	Speech Therapy Tele-Health Caching Security Data Compression	H. Card R. McLeod W. Kinsner J. Rueda (TRLabs)
Transport Software	Protocols Flow Control Network Management	
Transport Hardware	Routers Packet Switching Switches Queing	W. Kinsner M. Pawlak J. Rueda (TRLabs)
Access Technologies	Local Area Networks Fiber Optics Broadband Wireless Information Coding Antennas	L. Shafai E. Shwedyk G. Martens G. Bridges D. Thomson

Method of Funding the Chair

The Chair will be funded through a donation in the amount of \$200K per year for five years.

Qualifications for the Chair Candidates

The Chairholder will be an individual with the demonstrated skills and abilities to develop and lead an internationally recognized program in telecommunications research. The individual will be a leading researcher in the telecommunications field. The reputation of the researcher is of particular importance if the Chair is to attract additional funding from NSERC. It is expected that the candidate will have a Ph.D. and will most likely come from another university, research institute, or industrial research laboratory. The Chair will require an outstanding

ability to build research organizations and programs. This skill will be critically important as the Chair will be the core of a significant research program. As the proposed research program will have close ties to industry, the Chairholder will need good skills to integrate industrial and academic research. Preferably, the candidate will be someone with past industrial experience in telecommunications, either directly by way of employment, or indirectly as a collaborator with industry on research. The Chairholder, in other words, will be someone who can build bridges between the University and industry. As the goal is to have the research program grow rapidly, the Chairholder will also have to have the ability to attract top graduate students, professionals, and other academic staff. Therefore the individual must have the ability to develop and effectively communicate a vision of where the program is and will be going.

Term of the Chair

The initial term of the chair will be six years with the possibility of renewal contingent on funding.