

## BIOLOGY SCHOLARSHIP ESTABLISHED IN MEMORY OF SUPERB TEACHER

A new scholarship from the Erica and Arnold Rogers Fund for Academic Excellence has been established at The University of Winnipeg. The Dr. Edgar Van Nuys Allen Memorial Scholarship in Biology, valued at approximately \$700.00, will be awarded annually to a promising student entering the final year of the four-year Biology program.

Dr. Allen's breadth of information and generosity of spirit made a lasting impres-

sion on the benefactor of this scholarship, Dr. Rogers, who was a student of Dr. Allen's in the mid-1950s. Dr. Rogers said he is motivated daily by a letter mounted on his office wall from the late Dr. Allen, in which he wrote of the benefits of the teacher-student relationship: "I am proud that I contributed in some small way to your education for in you and others like you I believe there is a little bit of the best of me."

Dr. Rogers, in his medical career, has tried to share with his students "a bit of the best of myself and of Dr. Allen." He has established this scholarship in honour of Dr. Allen's memory and to encourage future generations of doctors and educators.

Dr. Allen was recognized for his contributions in the field of vascular diseases. He was a graduate student at Mayo Gradu-

See *BIOLOGY SCHOLARSHIP* inside.

# In Edition

APRIL 4, 1990

THE UNIVERSITY OF WINNIPEG

VOL.7 NO.14

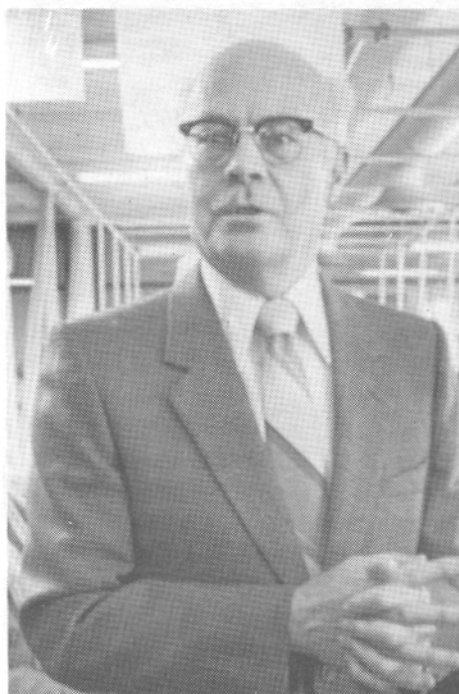
## ENGLISH PROFESSOR REWARDED FOR LIFE-LONG DEDICATION TO TEACHING

"I've loved teaching all my life. Each year is better than the one before and I think I teach differently every year," said English Professor Gerald Bedford, who is finishing his 44th year at The University of Winnipeg.

This long-time dedication and enthusiasm for English education is one of the reasons Bedford has been selected as this year's winner of the Merron Chorny Award. The Canadian Council of Teachers of English (CCTE) presents this annual award to recognize those who have made a significant contribution to English language education in Canada as teachers, coordinators, administrators or researchers.

"I looked at the list of people who won before and felt quite humble to even be nominated," said Bedford. "I was amazed when I was chosen by the national committee." The award will be presented at the CCTE conference in Halifax next month.

Bedford was one of the founding members of the CCTE in 1967. The idea of establishing such a group appealed to him because it would bring teachers from all levels together. "It's very important that schools and universities cooperate. The exchange of information by all levels - from elementary to post-secondary - is needed because we need to know what each is doing," Bedford explained.



*Gerald Bedford: "I've loved teaching all my life."*

Since the CCTE was established, Bedford has helped organize three national conferences, served on the executive and held the post of treasurer. At the provincial level, he has served on the executive of the Manitoba Association of Teachers of English (MATE). He was their president for the 1985-86 term.

Bedford recalled that right from his student days at United College (the forerunner of The University of Winnipeg) he was interested in English education. His goal was to be a high school English teacher. But after obtaining a PhD from the University of Toronto, Bedford agreed to return to United College to teach English for one year.

One year turned into 44 years as Bedford has made The University of Winnipeg his second home. He has taught eight areas of English from medieval literature to Shakespeare. In addition, Bedford has been very involved in extra-curricular activities such as organizing the annual faculty and staff bonspiel. He's even written a book about the University entitled *The University of Winnipeg - A History of the Founding Colleges*.

Throughout his career at the University, Bedford has seen many students come and go. He now feels that it is his turn to move on.

"I'll eventually graduate from here," joked Bedford, who plans to retire in 1991. "But it will be hard to walk away from my friends and the University 'family' and go out into the 'cold cruel world.'"

## MATH: A DYNAMIC DISCIPLINE

To the outside observer, mathematics seems to be a static thing. A formula is a formula. Things like Pythagoras' Theorem have always been around - haven't they?

The surprising fact is that mathematics is a constantly growing and evolving body of knowledge. We live today in a Golden Age of mathematical discovery. At the turn of the century, a doctoral candidate in mathematics was expected to be familiar with essentially all known mathematics of the time. Nowadays, to be an expert on even 10 per cent of known mathematics is very difficult.

In the face of a vast body of knowledge, the expert must specialize. The particular area of specialization represented by mathematicians at The University of Winnipeg is called combinatorics. Combinatorics can be defined as the art of counting things. In spite of this simple description, combinatorics includes many difficult unsolved problems.

Within the area of combinatorics, several subspecialties are represented in the department:

James Currie specializes in combinatorics on words. He has been known to talk to seminar audiences about the difference between the words "banana" and "orange." Seriously though, Currie studies the kinds of order and disorder that must arise in long strings of symbols. This work has ties to crystallography and to computer science.

John Ginsburg is well known for his work in ordered sets. Ordered sets are structures with some ranking imposed on elements. They are important inside mathematics as well as having applications to computing and to social sciences. Ginsburg is also an expert on point set topology and the study of infinite sets.

Ofra Kessler works with hypergraphs. Many problems in combinatorics can be expressed in terms of hypergraphs. For example, Latin squares and block designs are combinatorial objects useful to scientists designing experiments. However, Latin squares and block designs are just examples of hypergraphs obeying certain constraints.

Terry Visentin works in the area of enumeration. In particular, he uses the powerful tool of generating functions to solve enumeration problems. In the student math

seminar this year, Visentin illustrated the power of generating function techniques. First he proved a result with "straight combinatorics," filling a few blackboards. Next, he proved the same result with generating functions - in four sentences.

Research interests of the math faculty in combinatorics led to the introduction of a

third major in mathematics called "Discrete and Combinatorial Mathematics." The other two majors in Math are "Pure Mathematics" and "Applied Mathematics."

### NSERC GRANTS ANNOUNCED

The Natural Sciences and Engineering Research Council (NSERC) recently announced the results of its awards competition for 1990.

The Council provides operating grants, equipment grants, and special project grants to promote research and the training of scientists and engineers. Operating grants, which form the core of the NSERC granting program, enable university researchers to employ assistants, pay stipends to graduate students and to purchase scientific equipment and services.

In the recent competition, the following members of The University of Winnipeg faculty received grants or renewals:

#### NEW OPERATING GRANTS

Name	Department	Amount
J. Currie	Math/Stats	\$12,000
D. Kerr	Physics	\$20,500
O. Kessler	Math/Stats	\$12,000
R. Kobes	Physics	\$25,500
M.M.A. Novak	Biology	\$14,660
E. Pip	Biology	\$12,000
W. Simpson	Psychology	\$15,000
E. Tomchuk	Physics	\$25,000
T. Visentin	Math/Stats	\$12,000
G. Weiss	Statistics	\$ 3,000

#### RENEWALS

Name	Department	Amount
F. Chan	Math/Stats	\$ 5,000
J. Clark	Psychology	\$15,000
S. Dannefaer	Physics	\$24,400
J. Ginsburg	Mathematics	\$ 5,000
G. Kunstatter	Physics	\$26,270
G. Moodie (Team Grant)	Biology	\$ 8,000
G. Tomlinson	Chemistry	\$19,300

#### EQUIPMENT GRANTS

G. Kunstatter	Physics	\$17,000
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#### CONFERENCE GRANTS

G. Kunstatter	Physics	\$3,000
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## NOMINATIONS ACCEPTED FOR FIRST SELF-GOVERNANCE AWARD

Nominations are now being accepted for The Robin H. Farquhar Award for Excellence in Contributing to Self-Governance. The award will be presented for the first time at Convocation on June 3.

All full-time employees of The University of Winnipeg are eligible for the award. Your nomination should take the form of a letter and should discuss the reasons you believe your nominee has contributed to the autonomy of the University.

Please send your nomination to Roger Kingsley, University Secretary, by Apr. 16.

## BIOLOGY SCHOLARSHIP continued from page 1.

ate School of Medicine in Rochester, Minnesota.

Dr. Allen wrote more than 250 medical research articles and educational texts. He concentrated on pathologic physiology of circulation and the effects of recommended drug treatment in vascular diseases.

He was a pioneer in explaining the clinical manifestations and cause factors of Raynaud's syndrome. He was also noted for his ability to diagnose and treat acute arterial occlusion of the extremities. Dr. Allen gained recognition for his clear description of the vascular complication of polycythemia, a practical classification of lymphedema, the early investigation of arteriographic technique and the safe use of anticoagulant drugs.

Dr. Allen was described as an eloquent speaker with a commanding presence by his colleagues. As well, he is remembered as a superb clinician, teacher and investigator who made significant contributions to his specialty.

## WANTED: HOSPITALITY FOR ENGLISH IMMERSION STUDENTS

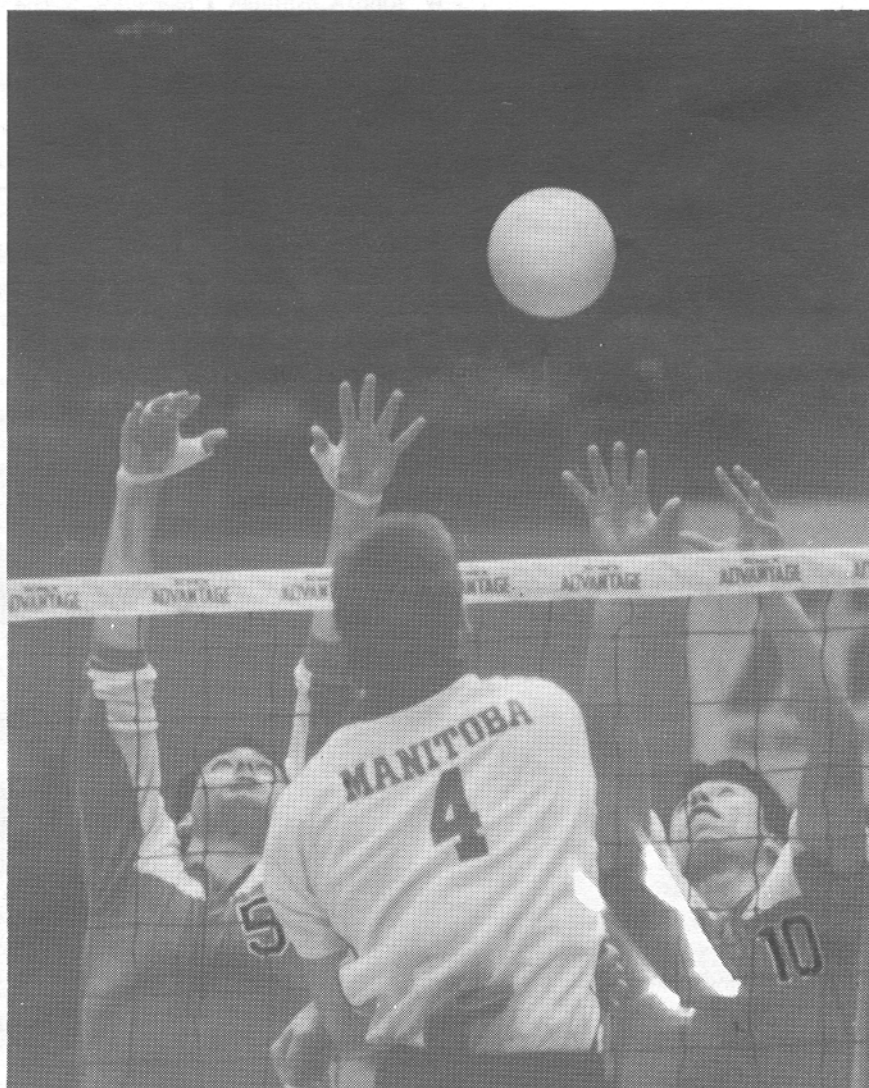
Each spring The University of Winnipeg offers an immersion course in English for university and college students from Quebec. Rather than having the students stay in university residences, the University tries to find accommodation for them in private homes in Winnipeg. This provides the students with an opportunity to see how English-speaking Canadians live, to observe first-hand some of the differences in our way of life and also to appreciate the many essential similarities. The families who serve as hosts for this occasion also benefit from the encounter in much the same way.

Host families are asked to provide a suitable bedroom, breakfast every day and all meals on weekends including Friday evenings. The students eat lunch and dinner

on campus the rest of the time. In particular, however, hosts are asked to share normal family activities, whatever they may be, with their guests. A payment of \$250.00 per student towards the cost of this hospitality is provided. There is no need for anyone to speak French: the students are here, of course, to learn English.

While many families remain with the program from year to year, the program always needs new volunteers, particularly those who live within 20 minutes by bus of the University.

The students, most of whom are between 18 and 22 years of age, will be arriving on May 22 and will stay until June 30. If you are able to provide hospitality in your home for this period, please call Dianna Morris at 786-9153.



The University of Winnipeg Wesmen met the University of Manitoba Bisons during the playoffs of the CIAU (Canadian Inter-university Athletic Union) championship.



## JUST ONE MINUTE

If you haven't already done so, please take a minute to fill out the questionnaire on "University Experts - A Guide for the Media." The survey was circulated in order to find out which faculty members would be willing to speak to the media on their area(s) of expertise. Completed questionnaires should be returned to the University Relations Department.

## CONVOCATION BULLETIN

Faculty and staff of The University of Winnipeg are invited to submit news items for the "Campus News/Campus People" section of the *Convocation Bulletin*. A paragraph or two noting any of your recent awards, publications, presentations, research projects or appointments would be welcome.

We would also like to highlight outstanding students who are graduating from the University this spring. If you know of a student who would make an interesting feature story, please let us know.

The *Convocation Bulletin* will be distributed at the graduation ceremony on June 3. All submissions must be received by the Editor, Lois Cherney (Room 4W16), before May 15, 4 p.m.

**IN EDITION** is published bi-weekly during the regular academic session by the Public Relations Department, The University of Winnipeg, 4W16 - 515 Portage Ave., Winnipeg, Manitoba R3B 2E9.

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Comments, suggestions and submissions are welcome. (All material is subject to editing.) The copy deadline for the next issue of **IN EDITION** is Apr. 10.

## COMING EVENTS

FRI., APR. 6

- **Last day of classes** for the winter session of 1989-90.

MON., APR. 9

- The Canadian Federation of University Women, Winnipeg South Club is sponsoring a public meeting with guest speaker **Karen Ridd**. Her topic will be "El Salvador from the Inside Out." The lecture will take place at the University of Manitoba, University Centre at 7:30 p.m. in Room 205. For more information, call Janice Freeman at 786-9453 or Pat McMullen at 261-6390.

WED., APR. 11 - THURS., APR. 26

- Students will write the **1989-90 winter session examinations**.

THURS., APR. 12

- W. John A. Bulman, Chancellor of The University of Winnipeg, will open the annual Women's Auxiliary **Spring Coffee Party** to be held between 11 a.m. and 2 p.m. at The T. Eaton Company Assembly Hall. Bake sale proceeds are in aid of scholarships. Admission is \$4.00. For further information, call Betsy Van der Graaf at 786-9711.

FRI., APR. 13

- The University will be closed for **Good Friday**.

- **A Theological Forum: Thinking about the Family** will feature the following topics: Violence in the Human Family, Marilyn Wortley; A Christian Perspective on Divorce, Richard Dearing; Is There Life After Divorce?, David Olson; The Single Parent Family in the Church, Linda Gibson. Seminars will be held at St. John's College, University of Manitoba, Dysart Road. Registration fee: \$20/person. To register, call the Interfaith Pastoral Institute at 786-9251.

TUES., APR. 17

- The second of three University open meetings arranged by President Marsha Hanen will discuss **Organization and Infrastructure** at 12 noon in Room 2W07.

SAT., APR. 21

- **Gordon MacDermid**, President of the Atlantic School of Theology, will conduct a workshop on "The Context and Lan-

guage of the Sermon," in Room 2M70 from 9:30 a.m. - 4:30 p.m. For more information, call the Faculty of Theology at 786-9390.

TUES., APR. 24 - THURS., MAY 3

- The Faculty of Theology at The University of Winnipeg is hosting **Explorations '90, Seminars in Ministry**. Guest lecturers are George Shillington from Mennonite Brethren College and James Reed, Director of the Toronto School of Theology. For more information, call Ruth Badertscher at 786-9857.

FRI., APR. 25

- The Institute of Urban Studies will host the last seminar in the series on Development and Urbanization: Ethical Dimensions. **Phil Wichern** from the Dept. of Political Studies at the University of Manitoba will speak on "Sustainable Development and Urban Policy in Winnipeg" at 7 p.m. in Room 3C13. For further information, call Mary Ann Beavis at 786-9851.

FRI., APR. 27 - SUN., APR. 29

-The third annual **University of Winnipeg History Symposium** will open with keynote speaker Tim Ball, Geography Dept. His topic will be "Climate and History." The lecture will take place on Fri., Apr. 27 at 7:30 p.m. in Theatre 3C00. A wine and cheese reception will follow. The symposium will continue on Saturday and Sunday with student presentations on the theme of Interdisciplinary History. Sessions will be held from 10 a.m. to 5:30 p.m. in Room 2M70.

SUN., APR. 29

- The **Folklorama Inauguration** will be held from 2 - 3:30 p.m. in the Athletic Centre with a reception in Riddell Hall to follow. (Attendance at this event is by invitation only.)

MON., APR. 30

- President Marsha Hanen's state of the university open meetings will conclude with a discussion on **Ongoing Planning Structure for Programs, Facilities and Finances** at 4 p.m. in Room 1L12.