

# Mathematics Council NEWSLETTER

The Alberta Teachers' Association

Volume 15

Number 5

April 1997

## Alberta Mathematics Educator Awards

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***Providing leadership to encourage the continuing enhancement of teaching, learning and understanding mathematics.***

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At a recent Mathematics Council of The Alberta Teachers' Association (MCATA) executive meeting, the executive approved a proposal to change the criteria for awarding the Alberta Mathematics Educator Award. In the past, one individual who demonstrated outstanding leadership in mathematics education in Alberta was honored each year. Beginning in 1997, the Alberta Mathematics Educator Award will be awarded to a maximum of three people.

An award may be given to an individual in each of the following categories:

- K-6 classroom teachers
- Grades 7-12 classroom teachers
- Those who have made exceptional contributions to professional development of teachers at the school, local, provincial or national levels.

*In addition to the criteria listed above, the individuals must have also demonstrated leadership in encouraging the teaching, learning and understanding of mathematics in the province of Alberta.*

No more than one award will be conferred in each category and the conferring of awards will be contingent upon there being deserving recipients in each category. The awards will be presented at the MCATA annual conference.

There are also changes to the nominating procedures. Nominators must be members of MCATA, however, it is not necessary that the nominees be members.

So, please nominate colleagues and individuals who have demonstrated leadership in encouraging the continuing enhancement of teaching, learning and understanding mathematics in our province. The nomination forms are included with this newsletter.

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**Special  
Issue**

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### Nomination Procedure

Nominations for the award must be forwarded to the selection committee. Nominators must be members of MCATA. A complete nomination application includes the following three things:

- Information about nominee (Part 1)
- Information about nominator (Part 2)
- Three letters of support that reflect the criteria listed above

For more information, contact Wendy Richards, Chairperson, Alberta Mathematics Educator Selection Committee, 705 12207 Jasper Avenue NW, Edmonton AB T5N 3K2; phone 482-2210 (res.) or fax 489-2192.

**The deadline for receipt of applications is June 30, 1997.**

## Connecting with Alberta's New Mathematics Curriculum August 11-14, 1997

Cosponsored by the Centre for Mathematics, Science and Technology Education; and Continuing Professional Education, Faculty of Education, University of Alberta, and the Edmonton Regional Consortium

Plan to join us for activity-based workshops that support the implementation of the new mathematics curriculum. There are two sessions—one of interest to elementary teachers; the other is for teachers in Grades 7-9. The facilitators are Florence Glanfield, Lynn Gordon Calvert, Kathy McCabe and Elaine Simmt.

You will leave these workshops with a set of instructional strategies and materials ready for use in your classroom.

**Cost:** Before May 15, 1997—  
\$200 plus GST = \$214.00  
After May 15, 1997—  
\$250 plus GST = \$267.50

For addition information and extra registration forms, please contact Continuing Professional Education at 492-0394 or fax 492-0390. Visit the Web site at <http://www.ualberta.ca/~cpe/cpe.htm>.

## 8<sup>th</sup> Semi-Annual Math Leaders Symposium

Plans are underway for the 8<sup>th</sup> Semi-Annual Math Leaders Symposium to be held May 9, at the University of Calgary. Sponsored by Alberta Education, the Pacific Institute of Mathematical Sciences (PIMS), MCATA, the Calgary Mathematical Association and the Galileo Centre, the program promises to be an exciting one. Our featured speaker will be Mike Williams from the University of Calgary. His topic will be "Bones, Brass and Buckeyballs: Mathematical Instruments Down through the Ages!" A Math Explorations Workshop will follow, which will include four different level activities such as "Bean Pi." Phil Radomsky is another proposed presenter. Publishers will be on hand to display their new products as well. Mark May 9 on your calendar as the symposium will indeed be a stimulating mathematical event for Alberta.

**When:** Friday, May 9, 1997

**Where:** University of Calgary Dining Centre Building, Blue Room

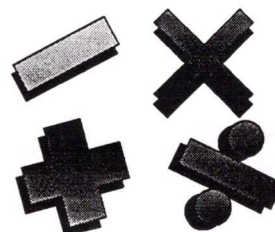
**Time:** Registration 8:30 a.m-9 a.m.  
(Please register in advance with Shirley at 427-2939, so that name tags, food and so on can be arranged.)

**Parking:** Note instructions on map insert

A planning team in Calgary has put together an exciting agenda for you. We owe special thanks to Sharon Friesen, Indy Lagu, Robert Woodrow, Claude LaFlamme, Mike Stone and Cynthia Ballheim.

Although all sessions will have question/answer periods, the last session will be a group discussion where we can formulate ideas, address concerns and offer suggestions.

Looking forward to seeing you! Register early!



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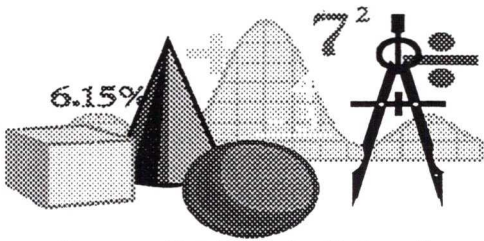
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# Connecting with Alberta's New Mathematics Curriculum

August 11-14, 1997  
8:30 a.m. to 4:00 p.m.

Sponsored by: Centre for Mathematics,  
Science and Technology Education (CMASTE)  
and Continuing Professional Education,  
University of Alberta,  
and by the Edmonton Regional Consortium

Faculty of Education, University of Alberta

Announcing two activity-based workshops that support implementation of the new mathematics curriculum. These workshops will focus on teaching the content and mathematical processes described in the Common Curriculum Framework for Grades K-9. The seven mathematical processes of communication, connections, estimation and mental mathematics, problem-solving, reasoning, technology, and visualization will be investigated through studying Number Concepts and Operations, Patterns and Relations, Shape and Space, and Statistics and Probability. Instructional strategies which include the use of manipulatives, calculators, and computers will be modeled.

## Making Connections in Grades K-6

- Topics surrounding Number Sense, Patterns, Transformational Geometry, and Probability
- Classroom activities and materials to support problem-solving in mathematics, the integration of mathematics and literature, the development of math labs, and the use of calculators and manipulatives

## Making Connections in Grades 7-9

- Topics from Algebra, Probability and Statistics, Trigonometry, and Transformational Geometry
- Classroom activities and materials to support problem-solving and the use of manipulatives, calculators, and computers in junior high school

You will leave these workshops with a set of instructional strategies and materials ready for use in your classroom.

### Facilitators:

All of the workshop facilitators are affiliated with the University of Alberta. Florence Glanfield is a Mathematics Consultant and Ph.D. Candidate in Secondary Education, Lynn Gordon Calvert is an Assistant Professor of Elementary Education, Kathy McCabe is a Practicum Associate in Secondary Education and Elaine Simmt is an Assistant Professor of Secondary Education.

Workshop Fee:            Before May 15, 1997:            \$200 + GST = \$214.00  
                                  After May 15, 1997:            \$250 + GST = \$267.50

Payment may be made by cheque (payable to Continuing Professional Education) or by VISA or MasterCard. Members of the Edmonton Regional Consortium may use their Service Credit Dollars. GST will not be applied to payments made with ERC Service Credit Dollars. Registrations are accepted by mail or Fax (492-0390) using the form below, or by telephone (492-0394).

## REGISTRATION FORM

Math Institute: August 11-14:            Choose:     K-6     7-9

Name: (please print) \_\_\_\_\_

Business Address: \_\_\_\_\_ City: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Business Phone: \_\_\_\_\_ Business Fax: \_\_\_\_\_ Residence Phone: \_\_\_\_\_

District/School/Institution: \_\_\_\_\_

### Method of Payment:

- Cheque  
 Invoice PO# \_\_\_\_\_  
to \_\_\_\_\_

- Visa                       MasterCard

Credit Card # \_\_\_\_\_ Expires \_\_\_\_\_

Signature \_\_\_\_\_

- ERC Service Credits  
\$ Amount    Approved by: \_\_\_\_\_

Return this form to:

Continuing Professional Education,  
University of Alberta, 832 Education South,  
Edmonton, AB T6G 2G5 Telephone: 492-0394; Fax: 492-0390



# Mathematics Council of The Alberta Teachers' Association

## Alberta Mathematics Educator Awards

A maximum of three mathematics educator awards may be conferred annually in recognition of demonstrated leadership in mathematics education in the province of Alberta. These awards will be presented to the recipient at the MCATA annual conference.

### Selection Criteria

Awards may be conferred upon individuals in each of the following categories:

- K-6 classroom teachers
- Grades 7-12 classroom teachers
- Those who have made exceptional contributions to professional development of teachers at the school, local, provincial or national levels.

*In addition to the criteria listed above, the individuals must have also demonstrated leadership in encouraging the teaching, learning and understanding of mathematics in the province Alberta.*

No more than one award will be conferred in each category and the conferring of awards will be contingent upon there being deserving recipients in each category. The awards will be presented at the MCATA Annual Conference.

### Nomination Procedure

Nominations for the award must be forwarded to the selection committee. Nominators must be members of MCATA. A complete nomination application includes the following

- Information about nominee (Part 1)
- Information about nominator (Part 2)
- Three letters of support that reflect the criteria listed above

For more information, contact Wendy Richards, Chairperson, Alberta Mathematics Educator Selection Committee, 705 12207 Jasper Avenue NW, Edmonton, AB T5N 3K2; phone 482-2210 (res.), 483-3415 (bus.) or fax 489-2192.

Deadline for applications: **June 30, 1997**

**Mathematics Council of  
The Alberta Teachers' Association**

**Alberta Mathematics Educator Awards**

**Nomination Form**

**Part 1**

Nominee's name \_\_\_\_\_  
Home Address \_\_\_\_\_  
City/Town \_\_\_\_\_ Postal Code \_\_\_\_\_  
Phone Home \_\_\_\_\_ Business \_\_\_\_\_  
Business address \_\_\_\_\_  
City/Town \_\_\_\_\_ Postal Code \_\_\_\_\_  
Signature of nominee \_\_\_\_\_ Date \_\_\_\_\_  
MCATA membership number \_\_\_\_\_ Member since \_\_\_\_\_

**Part 2**

Nominator's name \_\_\_\_\_  
Home address \_\_\_\_\_  
City/Town \_\_\_\_\_ Postal Code \_\_\_\_\_  
Phone Home \_\_\_\_\_ Business \_\_\_\_\_  
Business address \_\_\_\_\_  
City/Town \_\_\_\_\_ Postal Code \_\_\_\_\_  
Signature of nominator \_\_\_\_\_ Date \_\_\_\_\_

**Part 3**

A minimum of three letters of support. (Please see reverse side for criteria, eligibility and nomination procedures.)

Please forward to Wendy Richards, Chairperson, Alberta Mathematics Educator Selection Committee,  
705 12207 Jasper Avenue NW, Edmonton, AB T5N 3K2; phone 482-2210 (res.), 483-3415 (bus.) or fax  
489-2192.

Deadline for applications: **June 30, 1997**

# 8<sup>th</sup> Semi-Annual Alberta Mathematics Leaders Symposium

Dining Centre Building  
Blue Room  
University of Calgary Food Services

Friday, May 9, 1997  
8:00 A.M. – 5:00 P.M.



## AGENDA

Organized By: PIMMS, MCATA, Galileo Centre, Calgary Math Associates and Alberta Education

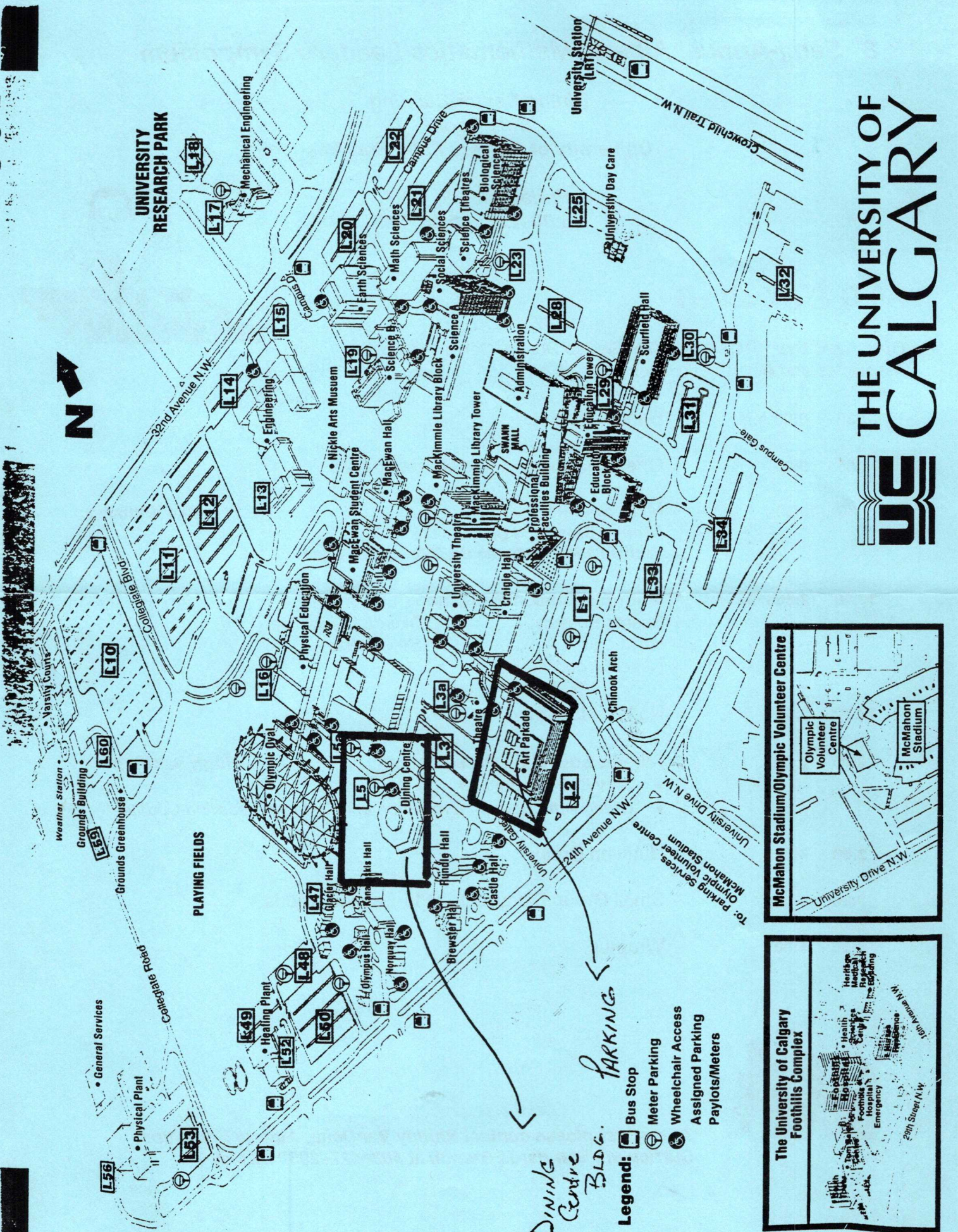
- |                    |  |                               |
|--------------------|--|-------------------------------|
| 8:30 - 9:00 A.M.   | Registration   |                               |
| 9:00 - 9:30        | Opening Remarks and Refreshments   |                               |
| 9:30 - 10:30       | Main Speaker<br><i>"Bones, Brass and Bucky Balls:<br/>Mathematical Instruments Through the Ages"</i>                                 | Dr. Mike Williams             |
| 10:30 - 12:30 P.M. | Math Exploration Workshop<br>Sharon Friesen<br>Indy Lagu<br>Robert Woodrow   | Claude LaFlamme<br>Mike Stone |
| 12:30 - 2:00       | No Host Lunch  |                               |
| 2:00 - 3:00        | Alberta Education Presentation<br>• <i>New K-9 Resources</i><br>• <i>Curriculum, Student Evaluation and Distance Learning Update</i> | Hugh Sanders                  |
| 3:00 - 3:30        | Nutrition Break  |                               |
| 3:30 - 4:30        | Small Group Discussion of In-Service Needs   |                               |
| 4:30 - 5:00        | Wrap-up  |                               |



To register please contact Shirley VanOene, Alberta Education, Curriculum Standards Branch at 403-427-2939 by May 7<sup>th</sup>.

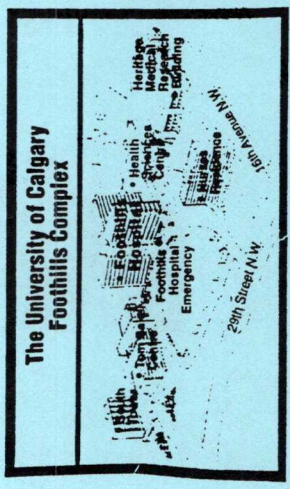
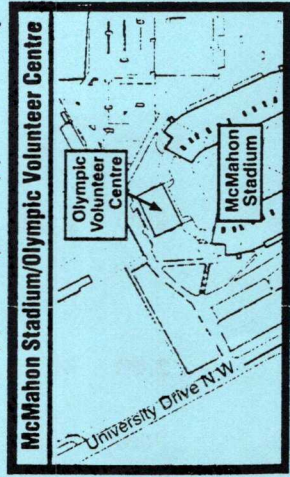


# UNIVERSITY RESEARCH PARK



- Legend:**
- Bus Stop
  - Meter Parking
  - Wheelchair Access
  - Assigned Parking
  - Paylots/Meters

*Dining Centre Bldg.*  
*PARKING*



# THE UNIVERSITY OF CALGARY