

APR 20 1983

ALBERTA EDUCATION LIBRARY,
4th FLOOR
11160 JASPER AVENUE
EDMONTON, ALBERTA T5K 0L2

Mathematics Council NEWSLETTER

The Alberta Teachers' Association

Volume 1

Number 4

April 1983

MCATA Annual Conference

When: October 28 and 29, 1983

Where: The University of Calgary

Theme: "Motivation in Mathematics"

Keynote Speaker: Gordon Elkard,
Calgary Board of Education

Topics Include:

- Problem-Solving Assessment
- Enrichment
- Technology
- Manipulatives

What's New?

MCATA

Constitution

Provincial Executive Council, at the meeting of 1982 02 04, approved a revised membership article for specialist council model constitution and requests that all council constitutions be amended to the following;

Membership

A. Regular Membership

Members of The Alberta Teachers' Association, as specified in ATA bylaws, are eligible for regular membership in this council. All such members shall be entitled to full privileges of council membership including the rights to vote and to hold office.

B. Affiliate Membership

Persons who are not ATA members as specified in ATA bylaws may join this specialist council as affiliate members. Such members may receive all the benefits and services of council membership except the rights to vote and to hold office.

C. Student Membership

Student members of the ATA may join this council and shall be entitled to all benefits and services of council membership except the right to hold office.

Subscription Service

Council publications shall be available to interested organizations at an annual rate larger than the fee for regular membership.

It is anticipated that the appropriate motion will be presented to:

MCATA
Annual General Meeting,
Calgary - October 28

Delta-K Editor Appointed

At its February 26 meeting, the MCATA executive appointed Gordon Nicol as editor of Delta K. Gordon responded to president Gary Hill's plea which appeared in the second issue of the MCATA Newsletter.

Gordon, a Grade 6 teacher at Mistassinug School, Desmarais, Alberta, has had experience as an editor of a campus publication as well as of some local newsletters.

The executive appreciates Gordon's interest in the Mathematics Council.

Nominations for 1983-84 Executive

Nominations of candidates for the following offices for 1983-84 are now being solicited:

President
Vice-President
Secretary
Treasurer

See nomination form attached to this newsletter.

Twenty-Third Annual Conference Committee

Chairman	Dick Kopan	Calgary Public
Program	Bob Michie (Chairman) Bob Hodgins Mary-Ann Milkovich Helen Clark Lyle Pagnucco	Calgary Public Rockyview Calgary Separate Calgary Public Calgary Public
Facilities	Tom Schroeder	University of Calgary
Registration	Louise Frame	Calgary Public
Publicity	Lois Marchand	Calgary Public
Displays	Jean Crawford	Calgary Separate
Hospitality	Louis Monti (Chairman) Pat McLaughlin Ray Vermunt	Calgary Public Calgary Separate Calgary Separate

Calgary Mathematics Association

Executive

Robert Woodrow (President)
Mathematics Department
University of Calgary

Robert G. Michie
Calgary Public School Board

William Sands
Mathematics Department
University of Calgary

Pat McLaughlin
Calgary Separate School Board

Richard Daly
Alberta Education
Calgary Regional Office

T. Schroeder
Faculty of Education
University of Calgary

Junior High School Mathematics Contest

The Calgary Mathematics Association will conduct its annual contest on Tuesday, May 3.

In 1982, more than 700 junior high school students from Calgary Public, Calgary Separate and rural areas adjacent to Calgary participated in the contest.

Calgary Mathematics Association presents prizes to the top 50 contestants. A cash award is given to the top contestant. Prizes are presented at a banquet.

Application forms will be distributed to schools that participated in the 1982 contest. Application forms and information are available from any executive member noted above.

MCATA is one of the sponsors of this mathematics contest.

Problem Corner

The ability to model the conditions of a problem is an important problem-solving skill. Students may act out the problem, use manipulative materials or draw a picture. A series of conditions such as that listed below may act as a stimulator to spatial visualization.

Draw or Show

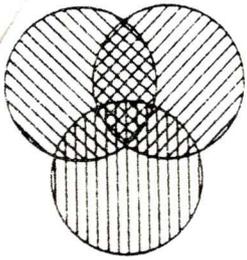
1. Three rows of trees - two trees per row. Three trees.
2. Four rows of objects. Three objects per row. Eight objects.
Vary: At least four rows of objects. Other conditions remain the same.
3. Three rows of _____. Three _____ per row. Six _____ in all.
4. At least three rows of circles. Three circles per row. Seven circles.
How many different arrangements are there?
5. Seven trees. Five rows of three trees.
6. Twelve objects. Four objects in each of four rows.

Generate other examples.

Motion geometry concepts, particularly rotations and flips, can be explored.

7. You may want to have students try:
 - 7.1 Ten trees. Five rows. Four trees in each row.
 - 7.2 Twelve trees. Six rows. Four trees in each row.

MCATA Newsletter is published several times yearly by The Alberta Teachers' Association for the Mathematics Council. Editor: John Percevault, 2510 - 22 Avenue South, Lethbridge, Alberta T1K 1J5. EDITORIAL AND PRODUCTION SERVICES: Central Word Services staff, ATA. Address all correspondence to the editor. Views expressed herein are not necessarily those of either the Council or of the Association. Copyright © 1983 The Alberta Teachers' Association, 11010 - 142 Street, Edmonton, Alberta T5N 2R1. Any reproduction in whole or in part without prior written consent of the Association is prohibited.



Mathematics Council

The Alberta Teachers' Association



March 3, 1983.

Dear Fellow MCATA Member:

Nominations of candidates for the following offices for the 1983-84 school year are now being solicited: - President

Vice-President

Secretary

Treasurer

If you wish to nominate a candidate, please complete the form below and mail it by May 3, 1983 to: R. J. Kopan, 23 Lake Crimson Close SE, Calgary T2J 3K8.

If necessary, the election will be conducted by mail. Ballots will be sent to all members on or about May 20, 1983.

Ensure an active council by nominating people who will take an active part in making the Mathematics Council a benefit to all mathematics teachers.

This form may be duplicated if additional nomination forms are required.

Dick Kopan for the
Election Committee
MCATA

.....

WE, the undersigned members of the MCATA nominate:

NAME _____ ADDRESS _____

_____ as a candidate for the office of _____

in the MCATA for the year 1983-84.

Signatures and addresses of two nominators:

(please include a brief resume of the nominee's qualifications for the position on the reverse side of this sheet.)

I accept this nomination _____
(signature of nominee)