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# Mathematics Council NEWSLETTER

The Alberta Teachers' Association

Volume 1

Number 2

February 1983

## Results of the MCATA Questionnaire

At the Annual Meeting in Edmonton participants were asked to fill in a questionnaire regarding MCATA services. Forty questionnaires were returned. The results follow:

1. Most teachers were high school teachers (24) or junior high school teachers (15)
2. Most teachers were from Edmonton or area but large numbers were from other areas across the province
3. Most teachers had several (6 or more) courses in mathematics or mathematics education
4. Either the respondents were attending their first convention (11) or had attended 5 or more (15)
5. Most felt they would like to see the site moved to different locations but not away from Calgary, Red Deer or Edmonton
6. Topics wanted at conventions tended to center around high school mathematics and computers
7. Most respondents felt the Delta-K and the monograph were worthwhile
8. The idea of a newsletter was also well received.

Your executive expresses its appreciation to those who completed the questionnaire.

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## *What's New?*

### **MCATA**

*Delta-K Editor*

The MCATA executive has been unsuccessful in locating a replacement for our past editor, Dr. George Cathcart. George served as Delta-K editor for 2 years and we thank him for his excellent service.

President Gary Hill is opening the position of Delta-K editor to applications. The position should be viewed as a challenging but rewarding experience. As editor you will become part of MCATA Executive with your main tasks being to put together 3 issues of Delta-K annually. Because of the lateness of this year's appointment it may be necessary to delete 1 issue this year. All applications will be seriously considered. Write Gary for a copy of the editor's duties.

### *Membership Fees, Services*

The MCATA Annual General Meeting held at the Terrace Inn, Edmonton, Saturday, October 23rd, ratified the following MCATA membership fees:

- A. Regular Membership - \$15.00
- B. Affiliate Membership - \$15.00
- C. Student Membership - \$ 5.00
- D. Subscription Membership - \$20.00

This, the first increase in fees in 4 years, was felt to be necessary to cover the increasing costs of providing the following benefits and services:

- A. Publications - Monographs, Journals, Newsletters

During 1981-82 each member received 2 monographs (Problem Solving; Microcomputers), 3 issues of Delta-K (our official journal), and 1 issue of the Canadian Mathematics Teacher. This year, 1982-83, has seen the addition of a newsletter.

- B. Mathematics Contests:

MCATA co-sponsors a variety of math contests - High School Prize Contest, Calgary Junior Math Contest, Edmonton Junior Math Contest, Canadian Junior Math Contest.

- C. Executive Meetings:

MCATA Executive members meet 3 times annually to plan or react to many developments of concern to mathematics educators (Annual Conferences, new curriculum developments, Calculators, Microcomputers, and surveys to name a few).

### *MCATA Executive Meeting*

MCATA executive will meet in Lacombe on Saturday, February 26th. Your executive welcomes comments and concerns. Contact any member of executive.

## **Alberta Education**

### *Pilot Programs*

1. Mathematics 15  
Five schools are piloting the text Math You Need, Book 1.

2. Mathematics 10  
Twelve schools are piloting the text Mathematics Ten (Addison-Wesley).

### *Audiovisual Materials*

The following videotapes are available on loan from each Regional Office:

1. "ThinkAbout Series"--Grades 4, 5 and 6 levels, including math units (3/4" format)
2. "MathWise Series"--related to programs at the Grades 9 and 10 levels (1/2" and 3/4" formats)
3. "It Figures Series"--corresponds to about a Grade 4 level; 28 modules are expected but only 7 are presently available from the Regional Office (3/4" format)

Information on these series is available upon request.

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## ***For Your Calendar***

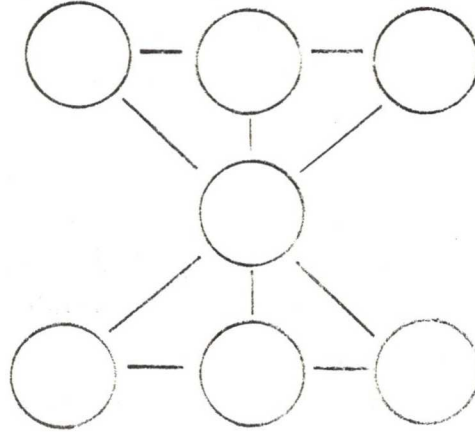
1. NCTM  
Great Falls Conference  
Great Falls, Montana  
Dates: 10 - 12 March 1983  
Convention Center; C.M. Russell High School
2. 61st Annual Meeting, NCTM  
Detroit, Michigan  
Dates: 13 - 16 April 1983
3. NCTM Microcomputer Seminars  
Designed to introduce elementary, intermediate and secondary school educators to the microcomputer and its use in teaching mathematics.  

Los Angeles, California	Dallas, Texas
17 - 19 February, 1983	24 - 26 February, 1983
4. MCATA  
23rd Annual Conference  
October 28 - 29  
University of Calgary

Past president Dick Kappan is the chairperson. Dick would appreciate suggestions for topics and speakers.

## Problem Corner

Arrange the series 2, 3, 4, 5, 6, 7, 8 in the diagram to achieve the same sum on each row, column or diagonal. Use each number of the series once and only once.



Using the same or similar diagram find a series that will yield a sum of 18.

Can you find a second set of whole numbers that has a sum of 18?

What about a third and fourth set of whole numbers that has a sum of 18?

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