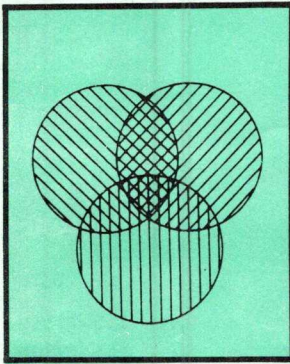


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From the Editor

M.C.A.T.A. is well into another year of operation. The Annual Conference is behind us. If you were there I am certain that you found many sessions and displays of particular interest.

Bob Michie and his committee are to be commended for putting together an excellent conference.

The 1984 Conference will be held in Red Deer on October 28th and 29th. If you have ideas for sessions or speakers, please let a member of the executive know. Input from our members would really be appreciated.

The executive is searching for ways to provide service and to involve more teachers in mathematics education. One of the ideas that has been proposed is to organize a mini-conference in an area other than that in which the fall conferences are held, possibly in the Peace River area, or in northeastern Alberta. If there is interest in such a conference, we would like to hear from interested parties in order that the organization can begin.



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What's New with Alberta Education?

-Art Peddicord

Elementary

The revised elementary curriculum and new textual resources should be in place in all schools. Schools should review the textual series being used so that all components are understood and suggested manipulative materials are on hand.

A new problem-solving monograph, as well as calculator materials, is available at the School Book Branch.

Problem-solving workshops are being held this week to assist jurisdictions with the problem-solving component of the new program.

Several areas are reviewing the grade three and grade six test results to see what areas need to be emphasized.

The video programs "It Figures" and "Thinkabout" are available from ACCESS.

Junior High

The junior high mathematics program will undergo a needs assessment this year so that possible revisions can be made next year. New textual series will also be looked at next year.

At present several publishers are setting up their own pilots in order to get teacher feed-back.

The grade nine program will be tested this year in June.

The "Math Wise" video program is available from ACCESS and is primarily suitable for grade nine.

Senior High

The three programs 10-20-30, 13-23-33 and 15-25 should all be in place this fall with appropriate textual resources. Schools should ensure that they have the appropriate curriculum guides. Mathematics 31 is being piloted this semester and will be finalized for next September.

Please remind teachers of the value of the "Guidelines for Use of Calculators" (grades one to twelve). Calculator activities are included in most new textbooks. Most schools have neglected to incorporate calculators; yet they are moving to microcomputers.

News from the Southwest Regional

The Southwest Regional is headed up by an enthusiastic group. A number of activities have been organized for the 1983-84 school year.

Activities which have already taken place are:

- (1) Clearing House South with Davie Wighton at the University of Lethbridge on October 12th.
- (2) Wine and Cheese Problem-Solving Night on November 18th.

Activities yet to come are:

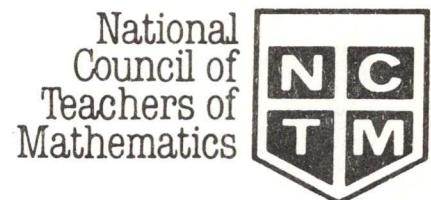
- (1) Teachers' Convention (Problem Solving, Hemisphericity, Computers) on February 23rd-24.
- (2) Workshop on Follow-up to Convention Topics, March 31.

If you have particular interest or questions about these events, please contact the secretary of the Southwest Regional: Mary Jo Maas, Box 484, Fort Macleod TOL OZ0 (res: 553-4848, bus: 553-3744).

Parent Gift Certificate

This certificate entitles you to one free copy of "How To Be the **Plus** in Your Child's Mathematics Education", compliments of your child's teacher and the National Council of Teachers of Mathematics.

To receive your free brochure containing four "How To Be the **Plus** in Your Child's Mathematics Education" activities, please mail this certificate and a stamped, self-addressed envelope the same size as this certificate, to the Council.



1906 Association Drive
Reston, VA 22091

Offer expires: 12/31/83

Problem Corner

A cycle shop assembles bicycles and tricycles. On a particular day 10 customers each placed an order for 9 cycles. No two orders were the same. How many wheels could be used to complete the orders?

Some possible introductory questions include:

- (1) What is the smallest number of wheels that could be used to complete the orders?
- (2) What is the greatest number of wheels that could be used to complete the orders?
- (3) How many different two-addend equations are there that have a sum of 10?

Problem-solving skills and strategies that might be used include:

- (1) What are the two series of numbers?
- (2) Project the number of wheels for 15 customers (same conditions).
- (3) What is the general formula?
- (4) Discovering patterns.
- (5) Developing tables.
- (6) Developing related problems.

This problem may be extended to the junior and senior high level by asking such questions as:

- (1) What are the two series of numbers?
- (2) Project the number of wheels for 15 customers (same conditions).
- (3) What is the general formula?

Adapted from:
Problem Solving in Mathematics
Lane County Mathematics Project
Eugene, Oregon

Modern Math "Daffynitions"

Inverse -- poems for the "in" group.
Plane -- something that is not fancy.
Polygon -- young frogs.
Sphere -- something extreme, such as
"sphere" pain.



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