


ISSN 0319 - 8367

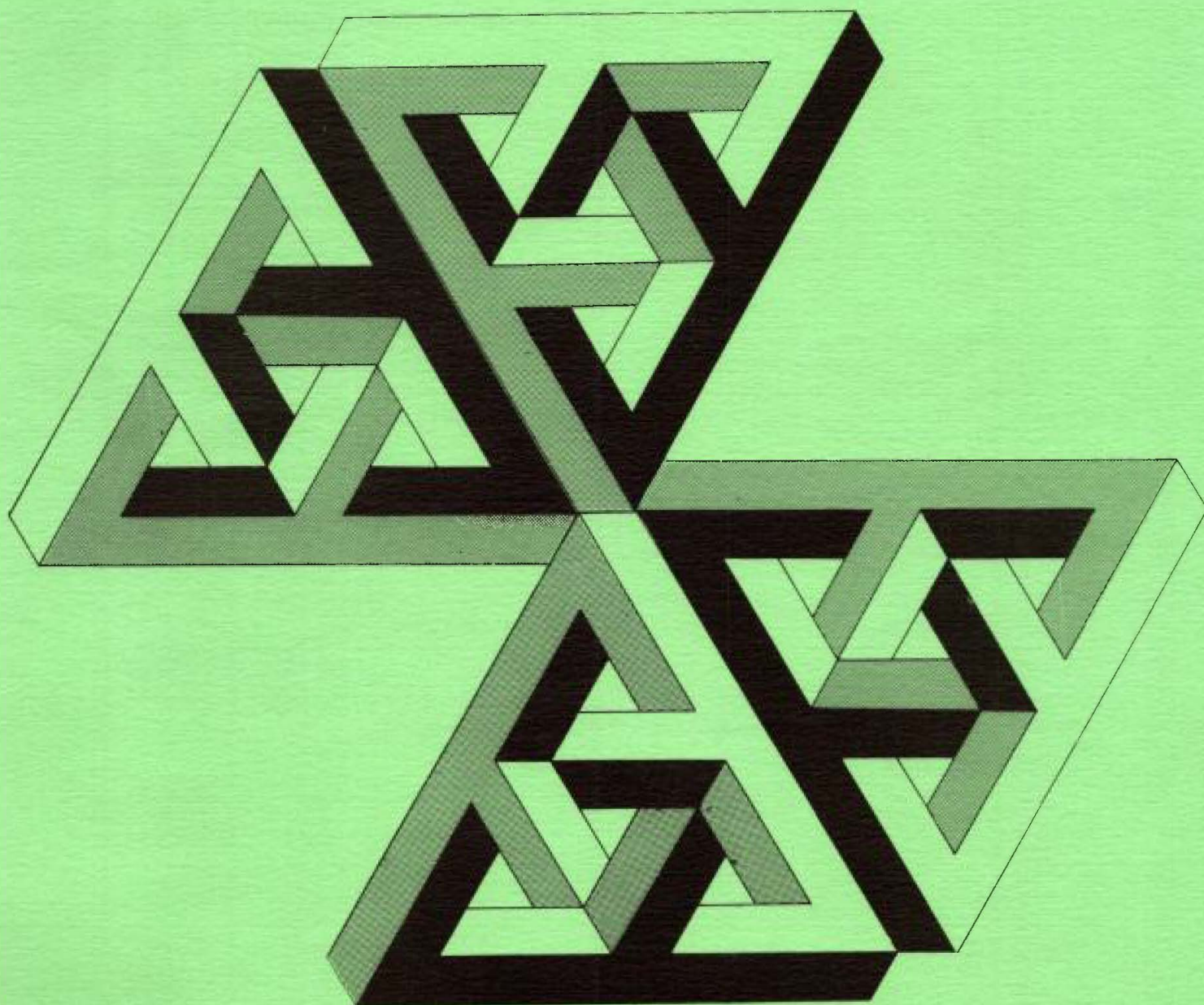
PERM F  
File #11  
11

# delta-k

THE  
ALBERTA  
TEACHERS'  
ASSOCIATION  
MATHEMATICS COUNCIL 

Volume XX, Number 1

September 1980



## **National Council of Teachers of Mathematics**

### **Regina Meeting**

**October 23-25, 1980**

#### **Host: Saskatchewan Mathematics Teachers' Society**

The Saskatchewan Mathematics Teachers' Society invites mathematics teachers at all levels to the center of the Canadian grain belt for an outstanding NCTM meeting on October 23-25, 1980.

Regina, a city of 155,000, is located mid-way between Montreal and Vancouver. It is the heartland of rich Canadian prairies, home of the Royal Canadian Mounted Police, focus of potash production, and has large man-made parks, lake, and recreational areas.

The conference will focus on the current status of problem-solving, micro-computers and calculators, applications of mathematics, and mathematics education for the '80s. Notable speakers include NCTM President Max A. Sobel; former NCTM presidents John C. Egsgard and E. Glenadine Gibb; Charles E. Allen, Oscar F. Schaaf; Jane Martin; Gail Lowe, R.D. Phillips of Australia, Frank Ebos, W. Stannard, David H. Wheeler, Tom Kierens, Ruth Hoffman, Joseph Agassi, David Robitaille and Jim Prekeges. More than 70 sessions and workshops are planned.

Hotel rooms have been reserved at the Sheraton Centre and Saskatchewan Hotel. All convention activities will be in these two facilities.

The complete program booklet was mailed in July to NCTM members. Others may request copies from the NCTM Headquarters Office, 1906 Association Drive, Reston VA 22091.

## Contents

|   |    |  |
|---|----|--|
| Ed Carriger                               | 3  | From the Editor's Desk   |
| Elaine V. Alton<br>and Judith L. Gersting | 4  | An Alternative Course for the "I Hate Math<br>and I've Never Been Any Good At It" Student                  |
| Ved P. Madan                              | 7  | Introducing Calculus to High School Students   |
| NCTM                                      | 9  | Six New Publications from ERIC   |
|   | 10 | Calculator Information Center  |
| CIC<br>Reference Bulletin #25             | 10 | References on Instructional Activities,<br>Research Reports, and Other Topics Related<br>to Calculator Use |
| Marlow Ediger                             | 14 | The Mathematics Curriculum and the Learner   |
| The Math Post                             | 17 | Mira Math for Grades 7 - 12  |
|   | 20 | PLUS + + +   |
| Terry A. Witczak                          | 22 | High School Activities:<br>Crossfactor Puzzle  |
|   |    | Elementary Activities:   |
|   | 24 | Up and Down the Slide  |
|   | 25 | What's Covered Up?   |
|   | 25 | Number Tree  |
|   | 26 | Five in a Row  |



*delta-k* is published by The Alberta Teachers' Association for the Mathematics Council. Editor: Ed Carriger, R.R. No. 1, Site 2, Box 4, Bluffton TOC OMO. Editorial and Production Services: Communications Department, ATA. Opinions of writers are not necessarily those of either the Mathematics Council or The Alberta Teachers' Association. Please address correspondence regarding this publication to the editor. *delta-k* is indexed in the Canadian Education Index.

# Mathematics Council Executive 1980-81

123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789

## PRESIDENT

Richard J. Kopan Res 271-5240  
23 Lake Crimson Close SE Bus 286-5156  
Calgary T2J 3K8

## ACTING PAST PRESIDENT

Robert Holt Res 986-1134  
14 Brenda Vista Bus 455-2008  
Box 58, Site 9, RR 2  
Leduc T9E 2X2

## VICE-PRESIDENT

Judy Steiert Res 282-6593  
#203, 1608 - 20 Ave. NW Bus 276-7844  
Calgary T2M 1G8

## SECRETARY

Dr. Arthur Jorgenson Res 723-5370  
Box 2069 Bus 723-5515  
Edson TOE OPO or 723-4888

## TREASURER

Brian Chapman Res 782-3551  
Box 1525 Bus 782-3812  
Lacombe TOC 1S0

## *delta-K* EDITOR and PUBLICITY CHAIRMAN

To be appointed

## MONOGRAPH EDITORS

Sid Rachlin  
Dept. of C. and I. Bus 284-5645  
University of Calgary  
Calgary T2N 1N4

Lyle Pagnucco Res 271-0259  
14135 Parkside Dr. SE Bus 284-6164  
Calgary T2J 3X3

## MATHEMATICS REPRESENTATIVE

Dr. James G. Timourian Res 451-1825  
Dept. of Mathematics Bus 432-3395  
University of Alberta  
Edmonton T6G 2G1

## FACULTY OF EDUCATION REP.

John Percevault Res 328-1259  
Faculty of Education Bus 329-2111  
University of Lethbridge ext. 257  
Lethbridge T1K 3M4

## DEPT. OF EDUCATION REP.

Bruce Stonell Res 346-7814  
Regional Office of Ed. Bus 343-5262  
4th Floor, 4814 Ross St.  
Red Deer T4N 1X4

## ATA STAFF ADVISOR

C.E. Connors Res  
Barnett House Bus 453-2411  
11010 - 142 Street ext. 249  
Edmonton T5N 2R1

## DIRECTORS

Gary Hill Res 327-5601  
310 Laval Blvd. Bus 328-5153  
Lethbridge T1K 3W5

Klaus Puhlmann Res 723-2548  
Box 1570 Bus 723-4471  
Edson TOE OPO

Mrs. Hilary Ward Res 346-2739  
4529 - 48 Street Bus 346-4397  
Red Deer T4N 1S2

Donald Hinde Res 782-6849  
Box 741 Bus 782-3812  
Lacombe TOC 1S0

Ron Cammaert Res 223-4948  
Box 1771  
Taber TOK 2G0

---

*Permission to use any part of this publication in the classroom is hereby granted, including reproduction. This does not include articles that have been published with permission of author and noted as "not for reproduction."*