ISSN 0319-8367



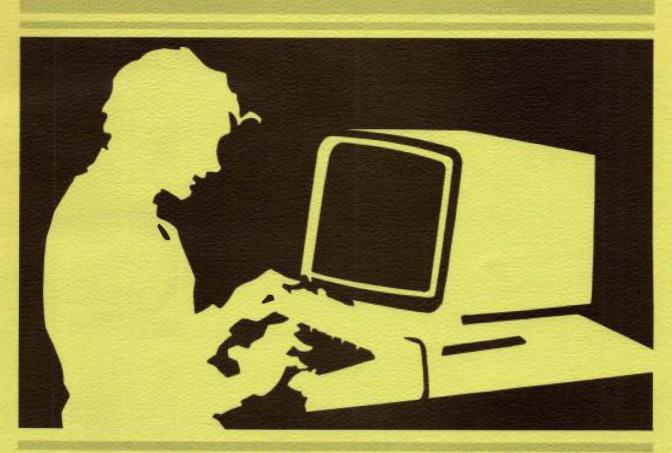
TEACHERS' ASSOCIATION



BERM. (27)

789 123456789 Volume 27, Number 1 **June 1988**

789 123456789 123466789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789



TECHNOLOGY AND MATHEMATICS



JOURNAL OF THE MATHEMATICS COUNCIL OF THE ALBERTA TEACHERS' ASSOCIATION



Volume 27, Number 1

June 1988

Contents

| Editor's Comments | 2 | John B. Percevault |
|---|----|------------------------|
| Guest Editorial | 3 | J. Dale Burnett |
| If This Is Television, Shouldn't My Intelligence Be Insulted? | 5 | Kate Le Maistre |
| Mathematics Education and Technology | 7 | Marlow Ediger |
| Programming: A Subset of Problem Solving | 10 | Francis Sommerville |
| Using Logo to Solve Sommerville's Algorithm for Adding Mixed Numbers | 14 | Ron Taylor |
| Escher Revisited: Modeling Gradual Deformations Using Logo | 19 | R. Scott Erickson |
| Logo: An Opportunity for Synthesis, Self-Control and Sharing | 25 | J. Dale Burnett |
| Integrating Mathematics and Logo: A Four-Step Approach | 32 | W. George Cathcart |
| Of Students, Computers and Learning | 38 | Barry McGuire |
| Student Problem Corner | 42 | University of Delaware |
| Student Problem Solvers | 47 | |



delta-K is published by The Alberta Teachers' Association (ATA), for the Mathematics Council (MCATA). Editor: John B. Percevault, 2510 22 Avenue South, Lethbridge, Alberta T1K 1J5. Editorial and production services: Central Word Services staff, ATA. Copyright © 1988 The Alberta Teachers' Association, 11010 142 Street, Edmonton, Alberta T5N 2R1. Permission to use or reproduce any part of this publication for classroom purposes, except for articles published with permission of the author and noted as "not for reproduction," is hereby granted. Opinions expressed herein are not necessarily those of the MCATA or the ATA. Please address all correspondence regarding this publication to the editor. *delta-K* is indexed in the Canadian Education Index.