

Ohio Journal of School Mathematics

No. 18

Spring, 1990 ✓

MISUSING MEDICAL PERCENTS	1
David R. Duncan and Bonnie H. Litwiller	
<u>CURVE SKETCHING – A DISCOVERY APPROACH</u>	4
Catherine Sanor	
BASEBALL, PARADOXES, AND SPREADSHEETS	9
Bob Sovchik	
<u>USING MODELS TO DEVELOP FRACTION CONCEPTS</u>	12
Linda Proudfit	
WORD PROBLEMS AND THE FRIENDLY LETTER	18
Margaret Jo Gray	
<u>CIRCLES IN NEW WORLDS</u>	22
Richard S. Millman	
<u>INTRODUCING ALGEBRAIC FACTORING USING A GRAPHIC APPROACH</u>	29
T. Michael Flick	



JOURNAL EDITORS

Joe Kennedy and Diane Thomas
Math-Stat Department
Miami University
Oxford, Ohio 45056

EDITORIAL SECRETARY

Kim Hensley
Miami University
Oxford, Ohio

OCTM BOARD OFFICERS 1989-1990

David Kullman, President
Mathematics and Statistics
Miami University
Oxford, Ohio 45056

Carl Benner, Pres.-Elect
322 Millett Hall
Wright State University
Dayton, OH 45435

William Speer, Past Pres.
EDCI-Bowling Green State U.
Bowling Green, Ohio 43403

Tena Roepke, Secretary
Mathematics and Comp. Sci.
Ohio Northern University
Ada, Ohio 45810

Marilyn Link, Treasurer
5041 St. Rt. 219
Coldwater, Ohio 45828

Theresa Norris, VP-Elementary
Membership Chair
Quebec Heights CAMAS
1655 Ross Avenue
Cincinnati, OH 45205

Adele Cohn, VP-Secondary
Services Chair
4004 Monticello Blvd.
Cleveland Hts., OH 44121

Triah Koontz, VP-College
Program Chair
404 White Hall
Kent State University
Kent, OH 44242

OCTM DISTRICT DIRECTORS

Catherine Samor, EC (1992)
1331 Cidermill Road
Salem, OH 44460

Daniel Scott, E (1992)
26367 SR 60 N
Warsaw, OH 43844

Marialice Kollar, NC (1992)
Mt. Gilend High School
Park Avenue
Mt. Gilend, Ohio 43338

Margaret Raub, NE (1991)
Strongsville High School
20025 Lunn Road
Strongsville, Ohio 44136

Margaret Kasten, C (1991)
Ohio Dept. of Education
65 S. Front St., Room 813
Columbus, Ohio 43266

Duane Bollenbacher, NW (1991)
Bluffton High School
W. College Avenue
Bluffton, Ohio 45817

Jack Albers, W (1990)
Marion Local Schools
1901 State Route 716
Maria Stein, Ohio 45860

Robert Ekelman, SE (1990)
Federal Hocking High School
State Route 144
Stewart, Ohio 45778

David Herron, SW (1990)
Greenhills High School
Faragutt Road
Greenhills, Ohio 45218

OTHER COUNCIL OFFICERS

NEWSLETTER EDITOR
Charles Smith
McCracken Hall
Ohio University
Athens, Ohio 45701

BROCHURE EDITOR
Kenneth Cummins
Mathematical Sciences
Kent State University
Kent, OH 44242

MEMBERSHIP SECRETARY
Sr. Mary Theresa Sharp, SND
Notre Dame Education Center
13000 Auburn Road
Chardon, OH 44024

**MATHEMATICS CONTEST
COORDINATOR**
Michael Flick
1643 Elder Ct.
Pt. Wright, KY 41011

**MATHEMATICS CONTEST
DIRECTOR**
Richard Little
Mathematics Department
Baldwin-Wallace College
Berea, Ohio 44017

**CONTACT FOR ANNUAL
MEETING**
James L. Smith
Dept. of Math & Comp. Sci.
Muskingum College
New Concord, OH 43762

NCTM REPRESENTATIVE
Carl Benner

**STATE MATHEMATICS
CONSULTANT**
Margaret Comstock
65 South Front Street-Rm. 1005
Columbus, Ohio 43266

**STATE MATHEMATICS
CONSULTANT**
Steve Meiring
65 South Front St.-Rm. 1013
Columbus, Ohio 43266

**STATE TECHNOLOGY
CONSULTANT**
Margaret Kasten