THE SONIA KOVALEVSKY HIGH SCHOOL MATHEMATICS DAY E. G. D. Jones	81
DIVERSITY EDUCATION FOR PRE-SERVICE SCIENCE TEACHERS D. R. Sterling	87
WOMAN, WIFE, MOMMY, AND SCIENTIST: THE IMPACT OF A READERS' THEATRE PLAY ON ELEMENTARY PRE-SERVICE TEACHERS' UNDERSTANDING OF GENDER ISSUES J. Matkins, R. Miles, and J. McDonnough	97
RECOMMENDATIONS FROM CONFERENCE PARTICIPANTS	107
PART II: Regular Journal Features	
A SIMPLE ANHARMONIC OSCILLATOR K. Durlacher, J. Boyd and T. Didascalou Waterman	115
USE OF THE WORLD WIDE WEB IN MATHEMATICS INSTRUCTION A. Lewis	129
OVERHEAD PROJECTOR DEMONSTRATIONS USING HOUSEHOLD MATERIALS S. Solomon, B. Brook, J. Ciraolo, L. Jackson, Chin-Hyu Hur, and M. Oliver-Hoyo	141
EDUCATIONAL RESEARCH ABSTRACTS, G. Bass, Jr., Section Editor	149

CONTENTS Volume 3, Number 2

PART I: Programs That Work Women and Minorities in Mathematics and Science

A CHALLENGE TO ALL: RAISING THE PARTICIPATION AND SUCCESS OF WOMEN AND MINORITIES IN MATHEMATICS, SCIENCE, AND TECHNOLOGY M. R. Warner and L. D. Pitt	1
WHY DO WE NEED PROGRAMS THAT WORK? K. C. Thornton	5
WHAT DOES RESEARCH SUGGEST ABOUT SUCCESSFUL PROGRAMS FOR WOMEN AND MINORITIES? D. R. Sterling	9
BRIDGES—MATHEMATICS SUPPORT FOR THIRD-GRADE GIRLS J. M. Jarrell	17
PROJECT BEST: A COLLABORATIVE PROGRAM TO RECRUIT TEACHERS AN ENHANCE SCIENCE PERFORMANCE FO MIDDLE SCHOOL STUDENTS D. J. Simon	D 23
BRIDGING THE GAP: THE CLASSROOM AND THE "REAL WORLD" P. Strickler	31
GEOMETRY AND MATHEMATICS THROUGH BRIDGE BUILDING J. Joyner	39
VCEPT/GATEWAY 2000 PARTNERSHIP PROJECT – ADVANCED SCHOLARS PROGRAM H. Johnson	47
LEARNING ON THE HALFSHELL M. H. Duffy and C. Roberts	53
CLIMBING THE LADDER FROM NINTH GRADE TO COLLEGE: A CAREER LADDER PROGRAM AT THE SCIENCE MUSEUM OF VIRGINIA A. Thomas and D. Hagan	61
ACHIEVING SCIENCE SOL WITH A HANDS-ON APPROACH J. N. Granger	69