

TABLE OF CONTENTS

<u>INTRODUCTION</u>	1
"The Historical Shaping of the Foundations of Mathematics" Robert Brabenec, Wheaton College	3
<u>SESSION 1: TWENTIETH CENTURY ISSUES</u>	
"Recent Problems in the Foundations of Mathematics" Terence H. Perciante, Wheaton College	15
"Recent Parallels Between the Philosophy of Science and Mathematics" Joseph Spradley, Wheaton College	27
"Wanted: Christian Perspectives in the Philosophy of Mathematics" Arthur F. Holmes, Wheaton College	39
<u>SESSION 2: THE NATURE OF MATHEMATICAL TRUTH</u>	
"Of Men, Models, and Mathematics" Charles Hatfield, University of Missouri at Rolla	49
"Formalizing the Liar Paradox" Frank Meyer, Bethel College, St. Paul, Minnesota	63
"Skolem's Paradox and the Predestination/Free-Will Discussion" Gene B. Chase, Messiah College	75
<u>SESSION 3: THE EXISTENCE OF MATHEMATICAL OBJECTS</u>	
"Epistemology to Ontology" Charles R. Hampton, The College of Wooster	83
"Existence in Mathematics" Willis Alberda, Dordt College	89
"A Brief Introduction to Gödel's Theorems" Michael Detlefsen, University of Minnesota - Duluth	95
"Current Work on Mathematical Truth" Michael Detlefsen, University of Minnesota - Duluth	109

SESSION 4: THE CONCEPT OF THE INFINITE

"God: All Sufficient or Infinite"
Thomas E. Iverson, Central College 121

"Infinity & Reality"
John W. Warner, The College of Wooster 127

SESSION 5: APPLICATION TO TEACHING

"Getting Their Interest - Initiating Students Into ^{Thinkers}
The Study of Foundational Issues in Mathematics"
Harold Heie, Gordon College 141

"The Foundations of Mathematics and the Mathematics
Curriculum"
Bayard Baylis, The King's College 151

"A Christian Point of View"
A. Wayne Roberts, Macalester College 161

VITA OF SPEAKERS 169

DIRECTORY OF INTERESTED INDIVIDUALS 173