

TABLE OF CONTENTS

PREFACE	vii
OFFICERS OF THE DIVISION	ix
PROGRAMME COMMITTEE	ix
CHAIRMEN OF SECTIONAL COMMITTEES	ix
LOCAL ORGANIZING COMMITTEE	x
I / MATHEMATICAL LOGIC	
YU. L. ERSHOV / <i>Constructions 'by Finite'</i>	3
J. BARWISE / <i>Some Eastern Two Cardinal Theorems</i>	11
J.-Y. GIRARD / <i>Functional Interpretation and Kripke Models</i>	33
A. S. TROELSTRA / <i>Axioms for Intuitionistic Mathematics Incompatible with Classical Logic</i>	59
II / FOUNDATIONS OF MATHEMATICAL THEORIES	
J. E. BAUMGARTNER / <i>Ineffability Properties of Cardinals II</i>	87
W. A. J. LUXEMBURG / <i>Non-Standard Analysis</i>	107
YU. V. MATIJASEVIĆ / <i>Some Purely Mathematical Results Inspired by Mathematical Logic</i>	121
L. W. SZCZERBA / <i>Interpretability of Elementary Theories</i>	129
III / CATEGORY THEORY	
S. FEFERMAN / <i>Categorical Foundations and Foundations of Category Theory</i>	149
IV / COMPUTABILITY THEORY	
G. E. SACKS / <i>Re Sets Higher Up (Dedicated to J. B. Rosser)</i>	173

I. A. LAVROV / Computable Numberings	195
Y. N. MOSCHOVAKIS / On the Basic Notions in the Theory of Induction	207
K. ČULÍK / Basic Concepts of Computer Science and Logic	237
E. ENGELER / Structural Relations between Programs and Problems	267
A. SALWICKI / Algorithmic Logic, a Tool for Investigations of Programs	281
V / PHILOSOPHY OF LOGIC AND MATHEMATICS	
A. A. MARKOV / On a Semantical Language Hierarchy in a Constructive Mathematical Logic	299
VI / ON THE CONCEPT OF A SET	
H. WANG / Large Sets	309
C. PARSONS / What is the Iterative Conception of Set?	335
VII / PHILOSOPHY OF LOGIC	
I. HACKING / Do-it-yourself Semantics for Classical Sequent Calculi, including Ramified Type Theory	371
V. V. TSELISHCHEV / Some Philosophical Problems of Hintikka's Possible Worlds Semantics	391
INDEX OF NAMES	405