

CONTENTS

PREFACE	7
OPENING LECTURE	
NÖBAUER W.: Mathematik zwischen Traum und Wirklichkeit	9
CONTRIBUTIONS	
AMIN I.A. and R. WIEGANDT: Torsion and torsionfree classes of acts	19
BAUER H. and R. WILLE: A proof of Hashimoto's refinement theorem	35
CLAY J.R. and J.D.P. MELDRUM: Amalgamated product near-rings	43
DUDEK J. and J. PŁONKA: On the monoarity of algebras	71
ERNÉ M.: Adjunctions and standard constructions for partially ordered sets	77
GEDEONOVÁ E.: Lattices with centrally symmetric covering graphs	107
GENSHEIMER H.: Measures on orthomodular lattices	115
GERSTMANN H.: Über die schwache Distributivität des Verbandes der Subalgebren idempotenter Algebren	123
GŁAZEK K.: Remarks on polyadic groups and their weak homo- morphisms	133
HOFER G. and G. PILZ: Group automata and near-rings	153
KALMBACH G.: Ordered sets and homology	163
KAMARA M.: Spaltende modulare Polaritätsverbände	179
KEHAYOPULU N.: On regular poe-semigroups	191
KELLY D.: Sizes of equational bases for idempotent algebras .	197
KIPKE U.: Abelsche Untergruppen der Burnsidegruppen vom Exponenten 3	201
KLUKOVITS L.: On the independence of the mediality conditions	209
KOLIBIAR M.: Compatible orderings in semilattices	215
KOPEČEK O.: A note on some cardinal functions on unary algebras	221
KUHN K.P.: Extending homomorphisms from orthomodular lattices to Foulis-semigroups	229

LÄNGER H.: A formula for the solution of a system of difference equations over a commutative ring	233
LÄNGER H.: A groupoid-theoretic approach to axiomatic quantum mechanics	239
LAUSCH H.: Polynomfunktionen auf Diedergruppen	257
MELDRUM J.D.P. and G. PILZ: Polynomial algebras and polynomial maps	263
PÁLFY P.P. and Á. SZENDREI: Unary polynomials in algebras, II .	273
QUACKENBUSH R.W.: Minimal para primal algebras	291
RICHTER Gerd: Application of some lattice theoretic results in group theory	305
RICHTER Günther: Krull-Schmidt for arbitrary categories	319
ROMANOWSKA A.: Building bisemilattices from lattices and semi-lattices	343
SZABÓ L.: Tolerance-free algebras with a majority function	359
VOLKOV M.V.: On the join of semigroup varieties	365
WEINERT H.J.: Über Quasiideale in Halbringen	375
WIESENBAUER J.: On polynomial functions over residue class rings of \mathbb{Z}	395
PROBLEMS	399
NOTES ON PROBLEMS OF VOLUME I	405