

CONTENTS

Robert B. Howlett, EXTENDING CHARACTERS FROM NORMAL SUBGROUPS	1
N. Jacobson, SOME RECENT DEVELOPMENTS IN THE THEORY OF ALGEBRAS WITH POLYNOMIAL IDENTITIES	8
CHAPTER I Razmyslov's central polynomial	9
CHAPTER II The Artin-Procesi theorem	16
CHAPTER III Shirshov's theorems on local finiteness	25
Irving Kaplansky, FIVE THEOREMS ON ABELIAN GROUPS	47
Irving Reiner, INTEGRAL REPRESENTATIONS: GENUS, K -THEORY AND CLASS GROUPS ..	52
Irving Reiner, INTEGRAL REPRESENTATIONS OF CYCLIC p -GROUPS	70
Phillip Schultz, ANNIHILATOR CLASSES OF TORSION-FREE ABELIAN GROUPS	88
Charles C. Sims, THE ROLE OF ALGORITHMS IN THE TEACHING OF ALGEBRA	95
Charles C. Sims, SOME GROUP-THEORETIC ALGORITHMS	108
Charles C. Sims, A METHOD FOR CONSTRUCTING A GROUP FROM A SUBGROUP	125
G.E. Wall, LIE METHODS IN GROUP THEORY	137
PART I Filtrations	137
PART II Formal power series	146
PART III p -filtrations	159
G.E. Wall, COMMUTATOR COLLECTION AND MODULE STRUCTURE	174
William H. Wilson, INDUCED REPRESENTATIONS OF LIE ALGEBRAS	197
L.G. Kovács, VARIETIES OF NILPOTENT GROUPS OF SMALL CLASS	205