

# Contents

Preface . . . . .	v
On the Degrees and Rationality of Certain Characters of Finite Chevalley Groups . . . . .	1
BY C. T. BENSON and C. W. CURTIS	
Types of Blocks of Representations of Finite Groups . . . . .	7
BY RICHARD BRAUER	
Modular Representations of Some Finite Groups . . . . .	13
BY N. BURGOYNE	
Some Connections Between Clifford Theory and the Theory of Vertices and Sources . . . . .	19
BY EDWARD CLINE	
Finite Groups Admitting Almost Fixed-Point-Free Automorphisms . . . . .	25
BY MICHAEL J. COLLINS	
Some Remarks on the Krull-Schmidt Theorem . . . . .	29
BY S. B. CONLON	
A Clifford Theory for Blocks . . . . .	33
BY E. C. DADE	
Jordan's Theorem for Solvable Groups . . . . .	37
BY LARRY DORNHOFF	
Operations in Representation Rings . . . . .	39
BY ANDREAS DRESS	
Some Decomposable Sylow 2-Subgroups and a Nonsimplicity Condition . . . . .	47
BY PAUL FONG	
Characters and Orthogonality in Frobenius Algebras . . . . .	49
BY T. V. FOSSUM	
The Number of Conjugacy Classes in a Finite Group . . . . .	51
BY P. X. GALLAGHER	
Sylow 2-Subgroups with non-Elementary Centers . . . . .	53
BY DAVID M. GOLDSCHMIDT	
Axiomatic Representation Theory . . . . .	57
BY J. A. GREEN	
Real Representations of Split Metacyclic Groups . . . . .	65
BY LARRY C. GROVE	
On Some Doubly Transitive Groups . . . . .	67
BY KOICHIRO HARADA	
Characterization of Rank 3 Permutation Groups by the Subdegrees . . . . .	71
BY D. G. HIGMAN	

Symplectic Action and the Schur Index .. .. .	73
BY I. M. ISAACS	
On Factorizable Groups .. .. .	77
BY NOBORU ITO	
Lattices Over Orders .. .. .	85
BY H. JACOBINSKI	
Faithful Representations of $p$ Groups at Characteristic $p$ .. .. .	89
BY G. J. JANUSZ	
The Reflection Character of a Finite Group with a (B, N) Pair .. .. .	91
BY ROBERT KILMOYER	
A Characterization of the Alternating Groups .. .. .	95
BY TAKESHI KONDO	
Character Tables and the Schur Index .. .. .	97
BY KARL KRONSTEIN	
Restriction of Representations Over Fields of Characteristic $p$ .. .. .	99
BY T. Y. LAM, I. REINER, AND D. WIGNER	
On the Suzuki and Conway Groups .. .. .	107
BY J. H. LINDSEY II	
Matrix Questions and the Brauer-Thrall Conjectures on Algebras with an Infinite Number of Indecomposable Representations .. .. .	111
BY L. A. NAZAROVA AND A. V. ROĬTER	
Group Rings of Infinite Groups .. .. .	117
BY D. S. PASSMAN	
Characters of Finite Groups and Sets of Primes .. .. .	123
BY WILLIAM F. REYNOLDS	
Bass-Order and the Number of Nonisomorphic Indecomposable Lattices Over Orders .. .. .	127
BY KLAUS W. ROGGENKAMP	
The Modular Theory of Permutation Representations .. .. .	137
BY L. SCOTT	
On the Affine Group Over a Finite Field .. .. .	145
BY LOUIS SOLOMON	
Generalization of Green's Polynomials .. .. .	149
BY T. A. SPRINGER	
A Splitting Principle in Algebraic K-Theory .. .. .	155
BY RICHARD G. SWAN	
Classification of Simple Groups of Order $p \cdot 3^a \cdot 2^b$ , $p$ a Prime .. .. .	161
BY DAVID WALES	
Direct Summands in Representation Algebras .. .. .	165
BY W. D. WALLIS	
Representations of Chevalley Groups in Characteristic $p$ .. .. .	169
BY W. J. WONG	
Nilpotent Elements in Representation Rings .. .. .	173
BY JANICE ROSE ZEMANEK	
Index .. .. .	175