

CONTENTS

James, I.M.	Topology: Past, Present and Future	1
Whitehead, G.	The Work of Edgar H. Brown, Jr. in Topology	10
Adem, A.	Homology Representations of Finite Transformation Groups	15
Anick, D.J.	Homotopy Exponents for Spaces of Category Two	24
Bendersky, M. Davis, D.M.	On the Complex Bordism of Classifying Spaces	53
Berrick, A.J. Randall, D.	On Equivariant Maps and Immersions of Real Projective Spaces	57
Berstein, I. Harper J.R.	Cogroups which are not Suspensions	63
Boyer, Ch.P. Mann, B.M	Instantons and Homotopy	87
Brown, E.H. Jr. Szczarba, R.H.	On Real Homotopy Theory	103
Cohen, F.R. Peterson, F.P.	Some Remarks on the Space $Im J$	117
Davis, D.M. Mahowald, M.	A New Spectrum Related to 7-connected Cobordism	126
Davis, M.W. Hausmann, J.-C.	Aspherical Manifolds without Smooth or PL Structure	135
Dwyer, W.G. Kan, D.M.	Homology with Simplicial Coefficients	143
Gray, B.	On the Double Suspension	150
Hardie, K.A. Jansen, A.V.	A Whitehead Product for Track Groups	163
Hopkins, M.J.	Minimal Atlases for Real Projective Spaces	171
Iwase, N. Mimura, M.	Higher Homotopy Associativity	193
Jackowski, S. McClure, J.E.	Homotopy Approximations for Classifying Spaces of Compact Lie Groups	221

Karoubi, M.	Cyclic Homology and Characteristic Classes of Bundles with Additional Structures	235
Kuhn, N.J.	Morava K-Theories and Infinite Loop Spaces	243
Lin, J.P.	Lie Groups from a Homotopy Point of View	258
Lin, W.-H.	Order of the Identity Map of the Brown-Gitler Spectrum	274
López de Medrano, S.	Topology of the Intersection of Quadrics in R^n	280
Milgram, J.R.	Orientations for Poincaré Duality Spaces and Applications	293
Mitchell, S.A. Priddy, S.B.	A Double Coset Formula for Levi Subgroups and Splitting BGL_n	325
Morava, J.	Browder-Fröhlich Symbols	335
Pedersen, E.K. Weibel, Ch.A.	K-theory Homology of Spaces	346
Ray, N.	Stirling and Bernoulli Numbers for Complex Oriented Homology Theory	362
Robinson, A.	Composition Products in $RHom$, and Ring Spectra of Derived Endomorphisms	374
Stark, Ch.W.	Convexity and Root Closure in Negatively Curved Manifolds	387
Tezuka, M. Yagita, N.	Cohomology of Finite Groups and Brown-Peterson Cohomology	396
tom Dieck, T.	The Artin-Hasse Logarithm for λ -Rings	409
Zhou, X.	Higher Cohomology Operations that Detect Homotopy Classes	416
Problem Session		437
Homotopy Theory (J.F. Adams)		438
H-Spaces		444
K and L Theory		446
Manifolds and Bordism		448
Transformation Groups		450