

CONTENTS

INTRODUCTION	vii
BIBLIOGRAPHY, RALPH HARTZLER FOX	viii
Knots and Links	
SYMMETRIC FIBERED LINKS by Deborah L. Goldsmith	3
KNOT MODULES by Jerome Levine	25
THE THIRD HOMOTOPY GROUP OF SOME HIGHER DIMENSIONAL KNOTS by S. J. Lomonaco, Jr.	35
OCTAHEDRAL KNOT COVERS by Kenneth A. Perko, Jr.	47
SOME KNOTS SPANNED BY MORE THAN ONE UNKNOTTED SURFACE OF MINIMAL GENUS by H. F. Trotter	51
GROUPS AND MANIFOLDS CHARACTERIZING LINKS by Wilbur Whitten	63
Group Theory	
HNN GROUPS AND GROUPS WITH CENTRE by John Cossey and N. Smythe	87
QUOTIENTS OF THE POWERS OF THE AUGMENTATION IDEAL IN A GROUP RING by John R. Stallings	101
KNOT-LIKE GROUPS by Elvira Rapaport Strasser	119
• 3-Dimensional Manifolds	
ON THE EQUIVALENCE OF HEEGAARD SPLITTINGS OF CLOSED, ORIENTABLE 3-MANIFOLDS by Joan S. Birman	137
BRANCHED CYCLIC COVERINGS by Sylvain E. Cappell and Julius L. Shaneson	165

ON THE 3-DIMENSIONAL BRIESKORN MANIFOLDS $M(p, q, r)$ by John Milnor	175
SURGERY ON LINKS AND DOUBLE BRANCHED COVERS OF OF S^3 by José M. Montesinos	227
PLANAR REGULAR COVERINGS OF ORIENTABLE CLOSED SURFACES by C. D. Papakyriakopoulos	261
INFINITELY DIVISIBLE ELEMENTS IN 3-MANIFOLD GROUPS by Peter B. Shalen	293