

Contents

	PAGE
Foreword, by A. W. TUCKER	v
<i>PART I: AN APPRECIATION OF THE WORK AND INFLUENCE OF S. LEFSCHETZ</i>	
Professor Lefschetz's contributions to algebraic geometry: an appreciation, by W. V. D. HODGE	3
The work and influence of Professor S. Lefschetz in algebraic topology, by NORMAN E. STEENROD	24
Bibliography of the publications of S. Lefschetz	44
<i>PART II: PAPERS IN ALGEBRAIC GEOMETRY</i>	
On the complex structures of a class of simply-connected manifolds, by ALDO ANDREOTTI	53
On Kähler manifolds with vanishing canonical class, by EUGENIO CALABI	78
Quotient d'un espace analytique par un groupe d'automorphismes, par HENRI CARTAN	90
On a generalization of Kähler geometry, by SHING-SHEN CHERN .	103
On the projective embedding of homogeneous varieties, by WEI-LIANG CHOW	122
Various classes of harmonic forms, by G. F. D. DUFF	129
On the variation of almost-complex structure, by K. KODAIRA and D. C. SPENCER	139
Commutative algebraic group varieties, by MAXWELL ROSENBLIGHT	151
On the symbol of virtual intersection of algebraic varieties, by FRANCESCO SEVERI	157
Integral closure of modules and complete linear systems, by ERNST SNAPPER	167
On the projective embedding of Abelian varieties, by ANDRÉ WEIL	177
The connectedness theorem for birational transformations, by OSCAR ZARISKI	182

PART III: PAPERS IN TOPOLOGY

The relations on Steenrod powers of cohomology classes, by JOSÉ ADEM	191
Imbedding of metric complexes, by C. H. DOWKER	239
Covering spaces with singularities, by RALPH H. FOX	243
A relation between degree and linking numbers, by F. B. FULLER	258
Die Coinzidenz-Cozyklen und eine Formel aus der Fasertheorie, von H. HOPF	263
Isotopy of links, by JOHN MILNOR	280
Generators and relations in a complex, by P. A. SMITH	307
The theory of carriers and S -theory, by E. H. SPANIER and J. H. C. WHITEHEAD	330
The Jacobi identity for Whitehead products, by HIROSHI UEHARA and W. S. MASSEY	361
Some mapping theorems with applications to non-locally connected spaces, by R. L. WILDER	378
Intercept-finite cell complexes, by S. WYLIE	389