Preface ................................................................. vii
A biographical note, by Alfred Putnam ...................... ix
[2]* Abgekürzte Beweise im Logikkalkül ......................... 1
A Late Return to a Thesis in Logic ......................... 63
[10] A construction for absolute values in polynomial rings .......... 67
[13] Planar graphs whose homeomorphisms can all be extended for any mapping on the sphere (with V. W. Adkisson) .......... 111
[14] A lattice formulation for transcendence degrees and p-bases .......... 121
[22] Subfields and automorphism groups of p-adic fields .......... 159
[28] Note on the relative structure of p-adic fields ............. 179
[41] Group extensions and homology (with S. Eilenberg) ........ 183
[44] Groups of algebras over an algebraic number field (with O. F. G. Schilling) ........................................ 259
[45] Relations between homology and homotopy groups (with S. Eilenberg) .................................................. 269
[48] General theory of natural equivalences (with S. Eilenberg) ........ 273
[55] Groups, categories and duality ................................ 337
[58] Cohomology theory in abstract groups, III. Operator homomorphisms of kernels ........................................... 342
[63] On the 3-type of a complex (with J. H. C. Whitehead) ........ 369
[69] Acyclic models (with S. Eilenberg) .......................... 377
[78] Homologie des anneaux et des modules ...................... 389
[90] Natural associativity and commutativity .................... 415
[105] The Milgram bar construction as a tensor product of functors .... 435
[107] Hamiltonian mechanics and geometry ...................... 454
[109] Coherence in closed categories (with G. M. Kelly) .......... 471
Saunders Mac Lane as a Shaper of Mathematics and Mathematicians, by Roger Lyndon ......................... 515
The Early Work of Saunders Mac Lane on Valuations and Fields, by Irving Kaplansky ............................... 519
Some Remarks on the Interface of Algebra and Geometry, by Samuel Eilenberg ........................................ 525
Saunders Mac Lane and Category Theory, by Max Kelly ....... 527

*Numbers in brackets refer to Bibliography on pp. 545–553.