Contents

I	Whitehead and the Rise of Modern Logic (1941)	3
п	Logic, Symbolic (1954)	37
111	A Method of Generating Part of Arithmetic With- out Use of Intuitive Logic (1934)	52
IV	Definition of Substitution (1936)	61
v	Concatenation as a Basis for Arithmetic (1946)	7 0
VI	Set-theoretic Foundations for Logic (1936)	83
VII	Logic Based on Inclusion and Abstraction (1937)	100
VIII	On Ordered Pairs and Relations (1945-46)	110
IX	On ω -Inconsistency and a So-called Axiom of In- finity (1952)	114
x	Element and Number (1941)	12 1
XI	On an Application of Tarski's Theory of Truth (1952)	141
XII	On Frege's Way Out (1954)	146
XIII	Completeness of the Propositional Calculus (1937)	159
XIV	On Cores and Prime Implicants of Truth Functions (1958)	164
xv	Two Theorems about Truth Functions (1951)	172
XVI	On Boolean Functions (1949)	176

XVII	On the Logic of Quantification (1945)	181
xvIII	A Proof Procedure for Quantification Theory (1954)	196
XIX	Interpretations of Sets of Conditions (1953)	205
xx	Church's Theorem on the Decision Problem (1954)	212
XXI	Quantification and the Empty Domain (1953)	2 20
XXII	Reduction to a Dyadic Predicate (1953)	224
XXIII	Variables Explained Away (1960)	227
	REFERENCES	237
	INDEX	245