

TABLE OF CONTENTS

FOREWORD	ix
WILLIAM A. WALLACE / Stillman Drake: Citation for the Sarton Medal, 1988	x
ACKNOWLEDGEMENTS	xv

PART I GALILEO STUDIES

WILLIAM A. WALLACE / The Dating and Significance of Galileo's Pisan Manuscripts	3
WILLIAM R. SHEA / Galileo Galilei: An Astronomer at Work	51
JÜRGEN RENN / Galileo's Theorem of Equivalence: The Missing Keystone of his Theory of Motion	77
A. RUPERT HALL / Was Galileo a Metaphysicist?	105
JAMES MACLACHLAN / Drake against the Philosophers	123

PART II FROM THE RENAISSANCE TO THE SCIENTIFIC REVOLUTION

A. MARK SMITH / Alhazen's Debt to Ptolemy's <i>Optics</i>	147
NOEL M. SWERDLOW / Regiomontanus on the Critical Problems of Astronomy	165

PART III SCIENCE SINCE GALILEO

I. BERNARD COHEN / G. D. Cassini and the Number of the Planets: An Example of Seventeenth-Century Astro-Numer- ological Patronage	199
TREVOR H. LEVERE / Lavoisier: Language, Instruments and the Chemical Revolution	207

MARIE BOAS HALL / The Inductive Sciences in Nineteenth-Century England	225
M. J. S. HODGE / Darwin Studies at Work: A Re-examination of Three Decisive Years (1835–37)	249
JED Z. BUCHWALD / The Background to Heinrich Hertz's Experiments in Electrodynamics	275
ENRICO BELLONE / Science and History of Science	307

PART IV
CONCERNING BOOKS

RICHARD LANDON / The Stillman Drake Galileo Collection	321
A Bibliography of the Writings of Stillman Drake, compiled by James MacLachlan	339
INDEX OF NAMES	345