



## CONTENTS

WATCHER OF THE SKIES, <i>E. Margaret Burbidge</i>	1
ASTEROSEISMOLOGY, <i>Timothy M. Brown and Ronald L. Gilliland</i>	37
THE GOLDBLOCKS PROBLEM: Climatic Evolution and Long-Term Habitability of Terrestrial Planets, <i>Michael R. Rampino and Ken Caldeira</i>	83
PHYSICAL PARAMETERS ALONG THE HUBBLE SEQUENCE, <i>Morton S. Roberts and Martha P. Haynes</i>	115
THE R-, S-, AND P-PROCESSES IN NUCLEOSYNTHESIS, <i>Bradley S. Meyer</i>	153
ABUNDANCES IN THE INTERSTELLAR MEDIUM, <i>T.L. Wilson and R.T. Rood</i>	191
MASSIVE STAR POPULATIONS IN NEARBY GALAXIES, <i>André Maeder and Peter S. Conti</i>	227
COOLING FLOWS IN CLUSTERS OF GALAXIES, <i>A.C. Fabian</i>	277
ANISOTROPIES IN THE COSMIC MICROWAVE BACKGROUND, <i>Martin White, Douglas Scott, and Joseph Silk</i>	319
DYNAMICS OF COSMIC FLOWS, <i>Avishai Dekel</i>	371
COSMIC DUSTY PLASMAS, <i>D.A. Mendis and M. Rosenberg</i>	419
PRE-MAIN-SEQUENCE BINARY STARS, <i>Robert D. Mathieu</i>	465
BARYONIC DARK MATTER, <i>Bernard Carr</i>	531
BINARY AND MILLISECOND PULSARS, <i>E.S. Phinney and S. R. Kulkarni</i>	591
INDEXES	
Subject Index	641
Cumulative Index of Contributing Authors, Volumes 22–32	655
Cumulative Index of Chapter Titles, Volumes 22–32	657