

CONTENTS

FRONTISPIECE, <i>Hans A. Bethe</i>	xii
MY LIFE IN ASTROPHYSICS, <i>Hans A. Bethe</i>	1
MASSIVE STARS IN THE LOCAL GROUP: IMPLICATIONS FOR STELLAR EVOLUTION AND STAR FORMATION, <i>Philip Massey</i>	15
EMBEDDED CLUSTERS IN MOLECULAR CLOUDS, <i>Charles J. Lada and Elizabeth A. Lada</i>	57
MASS LOSS FROM THE NUCLEI OF ACTIVE GALAXIES, <i>D. Michael Crenshaw, Steven B. Kraemer, and Ian M. George</i>	117
ACTION AT A DISTANCE AND COSMOLOGY: A HISTORICAL PERSPECTIVE, <i>J.V. Narlikar</i>	169
HOT GAS IN AND AROUND ELLIPTICAL GALAXIES, <i>William G. Mathews and Fabrizio Brighenti</i>	191
INTERSTELLAR DUST GRAINS, <i>B.T. Draine</i>	241
HIGH-RESOLUTION X-RAY SPECTROSCOPY WITH <i>CHANDRA</i> AND <i>XMM-NEWTON</i> , <i>Frederik B.S. Paerels and Steven M. Kahn</i>	291
LABORATORY X-RAY ASTROPHYSICS, <i>Peter Beiersdorfer</i>	343
POST-AGB STARS, <i>Hans Van Winckel</i>	391
EVOLUTION OF A HABITABLE PLANET, <i>James F. Kasting and David Catling</i>	429
COOL WHITE DWARFS, <i>Brad M.S. Hansen and James Liebert</i>	465
QUANTITATIVE SPECTROSCOPY OF PHOTOIONIZED CLOUDS, <i>Gary J. Ferland</i>	517
ENHANCED ANGULAR MOMENTUM TRANSPORT IN ACCRETION DISKS, <i>Steven A. Balbus</i>	555
THE INTERNAL ROTATION OF THE SUN, <i>Michael J. Thompson, Jørgen Christensen-Dalsgaard, Mark S. Miesch, and Juri Toomre</i>	599
WEAK GRAVITATIONAL LENSING BY LARGE-SCALE STRUCTURE, <i>Alexandre Refregier</i>	645
INDEXES	
Subject Index	669
Cumulative Index of Contributing Authors, Volumes 30–41	695
Cumulative Index of Chapter Titles, Volumes 30–41	698