





## CONTENTS

SOME NOTES ON MY LIFE AS AN ASTRONOMER, <i>J. H. Oort</i>	1
ON THE THEORY OF CORONAL HEATING MECHANISMS, <i>Max Kuperus, James A. Ionson, and Daniel S. Spicer</i>	7
ABSORPTION LINES IN THE SPECTRA OF QUASISTELLAR OBJECTS, <i>Ray J. Weymann, Robert F. Carswell, and Malcolm G. Smith</i>	41
ABUNDANCES IN STELLAR POPULATIONS AND THE INTERSTELLAR MEDIUM IN GALAXIES, <i>B. E. J. Pagel and M. G. Edmunds</i>	77
THE PRESENT STATUS OF DYNAMO THEORY, <i>T. G. Cowling</i>	115
ACCRETION DISCS IN ASTROPHYSICS, <i>J. E. Pringle</i>	137
PINCH SHEETS AND RECONNECTION IN ASTROPHYSICS, <i>S. I. Syrovatskii</i>	163
MASERS, <i>Mark J. Reid and James M. Moran</i>	231
MASS, ANGULAR MOMENTUM, AND ENERGY TRANSFER IN CLOSE BINARY STARS, <i>Frank H. Shu and Stephen H. Lubow</i>	277
THE EFFECTIVE TEMPERATURE SCALE, <i>Erika Böhm-Vitense</i>	295
THE CHEMICAL COMPOSITION, STRUCTURE, AND DYNAMICS OF GLOBULAR CLUSTERS, <i>K. C. Freeman and John Norris</i>	319
THE EXTRAGALACTIC DISTANCE SCALE, <i>P. W. Hodge</i>	357
COMPACT RADIO SOURCES, <i>K. I. Kellermann and I. I. K. Pauliny-Toth</i>	373
PRELIMINARY RESULTS OF THE AIR FORCE INFRARED SKY SURVEY, <i>S. G. Kleinmann, F. C. Gillett, and R. R. Joyce</i>	411
INDEXES	
Author Index	457
Subject Index	469
Cumulative Index of Contributing Authors, Volumes 15–19	475
Cumulative Index of Chapter Titles, Volumes 15–19	477