

TABLE OF CONTENTS

Organizing Committees	vii
 SETTING THE STAGE	
Introduction, <i>G. Michaud</i>	1
Elements in the Cosmos: Origin of the Light Elements <i>H. Reeves</i>	3
Chemical Evolution of Galaxies: Abundance Trends and Implications, <i>J.W. Truran</i>	13
Supernova Abundance Generation, <i>K. Nomoto, T. Shigeyama, and T. Tsujimoto</i>	21
Limitations of Stellar Abundance Determinations, <i>B. Baschek</i>	39
Model Atmospheres and Chemistry, <i>N. A. Sakhibullin</i>	49
 THE LOWER MAIN SEQUENCE	
Solar Abundances: the Reference System, <i>N. Grevesse</i>	63
Mixing due to Angular Momentum Transfer in Evolving Sun-like Stars, <i>P. Demarque</i>	71
Lithium and Beryllium in Main Sequence Stars, <i>R. Rebolo</i>	85
The Fm-Am stars: Observed Anomalies, <i>R. Cayrel, C. Burkhardt and C. Van't Veer</i>	99
Diffusion, Meridional Circulation and Mass Loss in Main Sequence and Horizontal Branch Stars, <i>G. Michaud</i>	111
 THE UPPER MAIN SEQUENCE	
The CNO-cycle Elements in Atmospheres of B-type Main Sequence Stars, <i>L. S. Lyubimkov</i>	125
Non Magnetic Anomalous Stars: The HgMn Stars -A Review of Elemental Abundances-, <i>M. Takada-Hidai</i>	137
Magnetic Ap Stars: Evolutionary Status and Abundance Anomalies, <i>T. A. Ryabchikova</i>	149
Spectroscopy and Geography of Magnetic Ap Stars: Implications for Structure, <i>J.D. Landstreet</i>	161
Intermediate He Rich Stars, <i>K. Hunger, D. Groote and U. Heber</i>	173
Are There Normal Upper Main Sequence Stars: λ Bootis..., <i>C.R. Cowley</i> . . .	183
 THE GIANTS	
Abundances in Wolf-Rayet Stars, LBVs and OBN Stars, <i>A. J. Willis</i>	195
The Chemical Composition of the Wolf-Rayet Envelopes, <i>T. Nugis</i>	209
Chemical Abundances and Models of WR Stars and Blue Supergiants, <i>A. Maeder</i>	221
CNO Abundances of Stars Undergoing First Dredge Up Mixing, <i>C. Sneden</i> .	235
[Fe/H] Ratios in Population II Stars, <i>R.E. Luck</i>	247

THE AGB

Asymptotic Giant Branch Stars: Thermal Pulses, Carbon Production, and Dredge Up; Neutron Sources and s-process Nucleosynthesis, <i>I. Iben Jr.</i>	257
On Low Mass AGB Stars, <i>I.J. Sackmann and A. I. Boothroyd</i>	275
A Brief Review of the s-process of Nucleosynthesis, <i>M. Arnould</i>	287
The Chemical Composition of Asymptotic Giant Branch Stars - The s-process, <i>D.L. Lambert</i>	299
Technetium in Stellar Atmospheres, <i>T. Kipper</i>	317
Turbulence and the Lithium Abundance in Giants and Main-Sequence Disk and Halo Stars, <i>S. Vauclair</i>	327
Chemical Composition of Post-AGB Stars, <i>H.E. Bond</i>	341

HORIZONTAL BRANCH STARS AND BINARIES

Binarity and Abundance Anomalies in Stars, <i>A.V. Tutukov</i>	351
Atmospheres and Abundances of Blue Horizontal Branch Stars and Related Objects, <i>U. Heber</i>	363

THE PLANETARY NEBULAE

Photospheric Abundances in Central Stars of Planetary Nebulae, and Evolutionary Implications, <i>R. H. Mendez</i>	375
Stellar Mixing from Galactic and Magellanic Cloud Planetary Nebulae Abundances, <i>R. E. S. Clegg</i>	387

WHITE DWARFS

Pre-White Dwarf Evolution through Planetary Nebulae, <i>F. d'Antona</i> and <i>I. Mazzitelli</i>	399
Abundance Patterns in White Dwarfs, <i>J. Liebert</i>	411
Successes and Challenges of the Theory of White Dwarf Spectral Evolution, <i>G. Fontaine</i> and <i>F. Wesemael</i>	421
Stratification in White Dwarf Atmospheres, <i>D. Koester</i>	435

CONCLUDING REMARKS

Concluding Remarks (I), <i>B. Baschek</i>	447
The Abundance Connection - The View from the Trenches, <i>D. L. Lambert</i> . .	451
Some Closing Thoughts, <i>H. M. Van Horn</i>	461

LIST OF PARTICIPANTS	471
---------------------------------------	-----

INDEX	481
------------------------	-----

