

## FOREWORD AND ACKNOWLEDGEMENTS

This volume represents the Proceedings of the Eighth International Colloquium on Ultraviolet and X-ray Spectroscopy of Astrophysical and Laboratory Plasmas, held 27-29 August 1984 at the Capitol Holiday Inn, Washington, D.C. The aim of this series of colloquia has been to bring together workers in the fields of astrophysical spectroscopy, laboratory spectroscopy, and atomic physics, in order to interchange ideas and results on problems which are really common to the different disciplines. In the past such an interchange has been extremely fruitful, and I hope that this meeting has been similarly successful.

The Proceedings are made possible by the enthusiastic support of the participants, most of whom agreed to submit Extended Abstracts of their papers for publication. These abstracts are not meant to be alternatives to publications in refereed journals, but rather are meant to comprise a working document that hopefully will be useful to the participants. In order to be complete, Short Abstracts have been retyped and included for those papers for which Extended Abstracts were not received. Two Extended Abstracts were received from authors who, although intending to participate, were finally unable to attend. These papers appear at the end of the volume.

This colloquium was sponsored by the International Astronomical Union, the Naval Research Laboratory, the National Aeronautical and Space Administration, and the Department of Energy. It was hosted by the Naval Research Laboratory. I would like to thank these organizations for their generous support and encouragement. Much of the work in organizing the meeting was carried out by Mr. Gary Cogdell and Mrs. Charlotte Pascoe of Dynamic Systems, Incorporated, who did an outstanding job in attending to a myriad of arrangements and solving the many problems accompanying them. I would like to thank Gary and Charlotte for their efforts. Similarly, I would like to thank Bob Kreplin at the Naval Research Laboratory for his methodical and time consuming help with the meeting, help which was essential for the successful organization of the Colloquium. I would also like to thank the members of the International and Local Organizing Committee for their support and insights, and the Session Chairpersons for keeping the meeting on schedule. I would like to thank Dr. David H. DeVorkin, of the Smithsonian Institution National Air and Space Museum, for an excellent after-dinner banquet talk that was enjoyed by all those present. Finally, I would like to express my warmest appreciation to my secretarial staff, Mrs. Marlene Wedding, Mrs. Dorothy Waters, and Mrs. Judith Hardison, for the very large amount of excellent secretarial work that was necessary to make this meeting possible.

George A. Doschek  
Chairman, Organizing Committees  
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