

TABLE OF CONTENTS

Foreword	VII
Preface	IX
1. Introduction	
<i>by Riccardo Giacconi</i>	1
2. Observational Techniques	
<i>by Herbert Gursky and Daniel Schwartz</i>	25
3. Mechanisms for the Production of X-Rays in a Cosmic Setting	
<i>by George R. Blumenthal and Wallace H. Tucker</i>	99
4. X-Ray Sky	
<i>by Riccardo Giacconi</i>	155
5. Solar X-Ray Emission	
<i>by Giuseppe Vaiana and Wallace H. Tucker</i>	169
6. Compact X-Ray Sources	
<i>by Harvey Tananbaum and Wallace H. Tucker</i>	207
7. Supernova Remnants	
<i>by Paul Gorenstein and Wallace H. Tucker</i>	267
8. Interstellar Medium	
<i>by Paul Gorenstein</i>	299
9. Extragalactic X-Ray Sources	
<i>by Edwin M. Kellogg</i>	321
10. The Cosmic X-Ray Background	
<i>by Daniel Schwartz and Herbert Gursky</i>	359
Appendices:	
A. Interaction of X-Rays with Matter	389
B. Units and Conversion Factors	395
C. Catalog of X-Ray Sources	397
Index	443