

PREFACE

IAU Symposium 101, Supernova Remnants and Their X-ray Emission, was held on the Island of San Giorgio, Venice, 30 August - 2 September 1982. It was co-sponsored by the National Research Council, Italy, the University of Padua, the Observatory of Padua, and the International Astronomical Union, and was hosted by the Cini Foundation.

The contents of this volume show the wide range of disciplines that are involved in supernova remnant research. Many new results were presented, not only from the X-ray observations from the Einstein Observatory but also from observations at optical and radio wavelengths. This has led to the stimulation of theoretical work, much of which attempts to accommodate in a more unified way all of these observations. Research on supernova remnants of all ages was reported. Perhaps the most impressive part of all this work is the way in which observations at all wavelengths have extended well outside the Galaxy to other members of the Local Group and beyond.

The Symposium was attended by scientists from 15 countries. Twenty-five invited papers and sixty-eight shorter contributions were presented during the 4-day meeting. Thirty-three of these shorter contributions were presented in poster sessions. This volume contains almost all (89) of those contributions. They are followed by discussions which took place after each verbal presentation. Since the availability of the discussions was left to the individual contributors, they are not complete, but those contained in this volume convey some idea of the nature of the exchanges.

An evening boat excursion was provided for the participants, followed by a memorable dinner at a typical Venetian restaurant on the Island of Burano. On the day following the conference a trip to Padua of artistic and historic interest was provided by our hosts at the University of Padua.

Special thanks are due to the Local Organizing Committee and especially Sandro D'Odorico for the smooth organization of the meeting and the very special social programme accompanying it. Thanks are also due to Gianna Genovese and Rita Verschuren for their able secretarial help. Adriana Ciani and Antonella Nota, students from the University of Padua and the only true Venetians at the Symposium, provided valuable assistance during the scientific sessions.

J. Danziger
P. Gorenstein



The participants of the symposium on the Island of San Giorgio, Venice.