

PREFACE

IAU Symposium 97, Extragalactic Radio Sources, was held at Albuquerque, New Mexico August 3-7, 1981. It was co-sponsored by IAU Commissions 28, 40, 47 and 48 and by URSI Commission J. Financial and organizational support were provided by the National Radio Astronomy Observatory, the University of New Mexico, and the National Science Foundation.

A wide variety of interesting objects and phenomena can be covered under the heading "Extragalactic Radio Sources", and a diverse set of topics was in fact discussed at the symposium. Radio galaxies, quasars, Seyfert galaxies and BL Lacertids received the most attention, but normal galaxies, the galactic center, and even SS433 were also discussed. While the unifying theme of the symposium was radio emission, studies at all wavelengths--X-ray, UV, optical, IR, and radio--were included. In general, the emphasis was on individual objects and the physical processes associated with them, but there were also papers on statistical studies and cosmology.

The symposium was attended by 209 scientists from 18 countries. Twenty-seven invited papers and 121 short contributions were presented during the 5-day conference. Of the latter, 57 were poster presentations. Most of the invited and contributed papers are included in this volume. A full-day break midway through the scientific sessions was used by most participants to visit the VLA, 100 miles southwest of Albuquerque. That excursion concluded with a popular public lecture by Prof. Philip Morrison of MIT. His talk, Cosmic Waterfalls, Whirlpools and Fountains, was well attended and well received by the local community and by symposium participants.

It was left to the initiative (whim?) of discussion participants to write up and submit their discussion contributions. Few chose to do so. In addition, some of the discussion following contributed papers, though submitted, was deleted to conserve space. As a result, the discussions published herein are only a small, rather arbitrarily selected sample of the extensive and lively discussions that actually occurred.

We thank authors for the timely submission of their camera-ready manuscripts and for the fact that most really were "camera-ready", requiring little effort from the editors. Finally, we gratefully acknowledge the expert and dedicated assistance of Mrs. Phyllis Jackson in the preparation of this volume.

D. S. Heeschen
C. M. Wade

SCIENTIFIC ORGANIZING COMMITTEE

R. Giacconi
R. Ekers
D. Jauncey
K. Kellermann (Chairman)
Yu. Parijskij
I. Pauliny-Toth
G. Setti
A. Stockton
G. Swarup
J. Wall
L. Woltjer

LOCAL ORGANIZING COMMITTEE

J. Burns
R. Hjellming
R. Perley
R. Price
E. Rigby
R. Sramek
D. Swann
A. Thompson (Chairman)
C. Wade
S. Weeke