

## PREFACE

IAU Symposium No. 111, "Calibration of Fundamental Stellar Quantities", was held at Villa Olmo, Como, Italy, on May 24-29, 1984. Meetings held in the past ten years on related topics include: IAU Symposium No. 109, "Astrometric Techniques", held at the University of Florida in Jan., 1984, "The MK Process and Stellar Classification", held at the University of Toronto in June, 1983, "Stellar Absolute Energy Distributions", an unpublished Joint Meeting (Commissions 25 and 45), held at the General Assembly of the IAU in Patras, Greece in August, 1982, IAU Colloquium No. 62, "Current Techniques in Double and Multiple Star Research", held at Northern Arizona University in May, 1981, the ESO Workshop: "Methods of Abundance Determination for Stars", held in Geneva in March, 1980, "Problems of Calibration of Multicolor Photometric Systems", held at Dudley Observatory in March, 1979, IAU Colloquium No. 48, "Modern Astrometry", held at the University of Vienna in Sept., 1978, IAU Colloquium No. 50, "High Angular Resolution Stellar Interferometry" held at the University of Maryland in Aug., 1978, "Spectral Classification of the Future", held at the Vatican in July, 1978 and IAU Symposium No. 72, "Abundance Effects in Classification", held at the University of Lausanne in July, 1975. The present meeting was the first to cover the broad range of the calibration of fundamental stellar quantities in one meeting.

Nine commissions of the IAU co-sponsored the meeting. These were: Commission 5 (Documentation and Astronomical Data), 24 (Photographic Astrometry), 25 (Stellar Photometry and Polarimetry), 26 (Double and Multiple Stars), 29 (Stellar Spectra), 30 (Radial Velocities), 35 (Stellar Constitution), 37 (Star Clusters and Associations), 42 (Close Binary Stars) and 45 (Stellar Classification). The SOC consisted of A. H. Batten (Chairman), M. Gerbaldi, B. Gustafsson, B. Hauck, D. S. Hayes, C. Jaschek, G. Lyngå, H. A. McAlister, L. E. Pasinetti, A. G. D. Philip and V. Straižys. The LOC consisted of L. E. Pasinetti (Chairman), E. Antonello, G. Casati, M. Fracassini, L. Mantegazza and L. Pastori.

Ninety-six astronomers from 19 countries attended the Symposium. The chairmen of the sessions were:

I	D. M. Popper
II	M. G. Fracastoro
III	D. S. Evans
IV	J. Rountree
V	W. Gliese
VI	P. Couteau
VII	M. Gerbaldi
VIII	B. Nordström
IX	R. Hanbury Brown
X	M. Jaschek

XI	K. Aa. Strand
XII	I. N. Glushneva
XIII	A. G. Davis Philip
XIV	L. E. Pasinetti
XV	R. F. Griffin
XVI	G. A. H. Walker
XVII	C. Jaschek
XVIII	A. H. Batten

In the four and one-half days of the Symposium 85 papers were given, 20 of which were spoken papers and 65 of which were poster papers. The proceedings of the Symposium have been edited from camera-ready copy submitted by the authors. The discussion was prepared from hand-written sheets filled out by the participants in the discussion. Those manuscripts which diverged too much from the correct style or from good English were retyped. We have made a great effort to increase the uniformity in format and language of the manuscripts. Individual authors have been made responsible for obtaining permission to copy material from other publications.

The host institution was the Università degli Studi di Milano, and the Centro di Cultura Scientifica A. Volta hosted the meeting at Villa Olmo, Como. Financial support was received from:

International Astronomical Union  
 Department of Physics, University of Milan  
 Italian Ministry of Education  
 National Research Council (CNR, Italy)  
 Regione Lombardia (Dept. of Culture and Information)  
 Banca Popolare of Milan  
 L. Davis Press

The University of Milan published the abstract booklet. The Amministrazione Provinciale of Como and "Autunno Musicale" of Como offered enjoyable concerts. Chief Secretary Chiara de Santis of Villa Olmo and her staff Manuela, Donatella and Barbara helped the LOC with efficiency and enthusiasm.

The editors wish to thank the members of the LOC, Dr. M. Bossi and the staff of the Villa Olmo for handling the discussion sheets, and especially Mary Bongiovanni, who typed up the discussion sheets and passed them back to the participants to be checked. The editors also wish to thank the Director of Kitt Peak National Observatory for support of the editorial process, and Monique Chapman, Pat Cochrane, Peggy Stephens and Peggy Wiggins of the KPNO staff for retyping many of the manuscripts. Without this support the preparation of the proceedings would have been much more difficult.

June, 1984  
 Schenectady, New York

D. S. Hayes  
 L. E. Pasinetti  
 A. G. Davis Philip