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978-0-521-40421-1 - The Infrared Spectral Region of Stars

Edited by C. Jaschek and Y. Andrillat

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This book provides a review of the work in progress on the infrared spectral region of stars. The most important previous mission, the Infrared Astronomy Satellite (IRAS) was launched in 1983. Although it was only operating for one year, in that time it surveyed the whole sky for infrared emitters of many different kinds providing a fundamental catalogue of thousands of objects. As a consequence of its success, a new mission to observe the infrared sky is being planned. The Infrared Space Observatory (ISO) is scheduled for a launch in 1993. It should add substantially to our knowledge of the stars. The volume is based on the proceedings of an international conference held in Montpellier, France. It provided an excellent forum for the experts in the field to get together and evaluate the status of current knowledge and analyse the instrumentation.

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*Proceedings of the International Colloquium held
in Montpellier, France, 16–19 October 1990*

Edited by

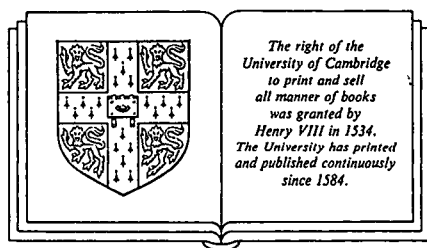
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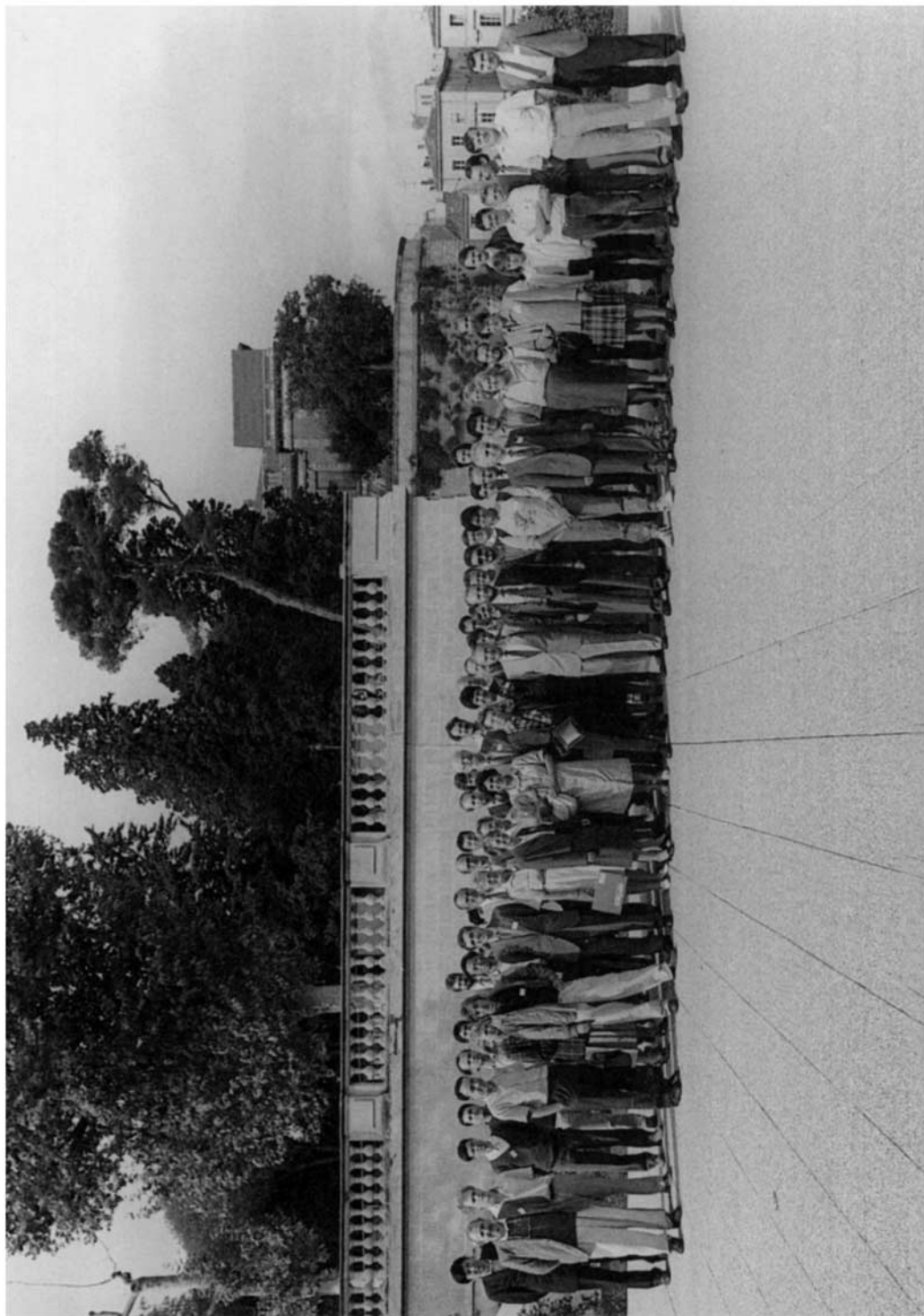
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PREFACE

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The idea of this meeting came up at the end of 1989 and became a reality with the help of an active Scientific Organizing Committee (SOC) in 1990, less than one year later. The SOC was composed by Drs Y. Andrillat (co-chairperson), M. Feast, A. Feinstein, C. Jaschek (co-chairperson), M. Lamers and R. Wing. The meeting was organized by the Astronomical Laboratory of the University of Montpellier and the Strasbourg Observatory.

The meeting was held at the Congress Center (CORUM) of Montpellier and opened on Thursday, October 16 with welcome addresses by the dean M. Lacave, for the City, M. Y. Escouffier, vice president of the University of Montpellier and Dr Y. Andrillat, on behalf of the SOC.

The program was grouped around twelve invited papers, each one followed by a series of short poster-paper presentations, which numbered fifty-six. All posters were furthermore on exhibit during the four days. Thanks are due to the Chairpersons of the different sessions, Drs H. Andrillat, L. Houziaux, C. Jaschek, H.J. Lamers, T. Nugis, R. Wing and M. Gerbaldi.

The local organisation was handled very efficiently by the Local Organizing Committee (LOC) composed by Dr Y. Andrillat (chairperson), Dr H. Andrillat, Dr F. Gleizes, Mrs M. Hamm, Dr J.P. Lafon, Mr E. Roques and Mr J.M. Roques. Mrs M. Hamm was in charge of the Secretariat and Dr J.P. Lafon organized the local events.

Social events included a reception at the Twon House, where the participants were greeted by Prof. P. Geneste, adjoint Mayor. On the 18th was organized a visit to the surroundings of Montpellier, which included a visit to the winery Listel with some wine tasting. The trip then went to the city of Aigues Mortes, where Mr Urbe, adjoint Mayor showed the old city ; afterwards the city offered a reception. In the evening the President of the Archeological Society of Montpellier organized a detailed visit of the old city and Dr Lafon a conference with dias on the same subject.

Among the many people who helped in the organization one should mention also Mr Anque, who took the group picture, reproduced in this book and the personnel of the Congress Center.

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Preface

It is a pleasure to thank also for the financial contributions of the University of Montpellier II, the Strasbourg Observatory, the Institut National des Sciences de l'Univers (INSU), the Centre National d'Etudes Spatiales (CNES), la Région Languedoc-Roussillon, the Industrie MATRA-Espace. Further help came from the bookstore Sauramps, the Bank BNP and the railroads SNCF.

As for the text proceedings, papers are reproduced much as they were presented by the authors. Discussions were summarized on the basis of the notes provided by the participants. It is hoped that no-one's view has been seriously misinterpreted. For reasons of space, discussions of different posters relating to the same subject were printed together ; the references are given in the "Contents".

It is finally a pleasure to thank Miss K. Faouzi for typing the discussions and to Mrs Hamm for the preparation of the manuscript for printing.

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