

Lecture Notes in Physics

Edited by J. Ehlers, München, K. Hepp, Zürich,
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48

Interplanetary Dust and Zodiacal Light

Edited by H. Elsässer and H. Fechtig



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Interplanetary Dust and Zodiacal Light

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Edited by H. Elsässer and H. Fechtig



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Introduction

Research on particulate matter in interplanetary space has achieved considerable progress in recent years. Space experiments for the registration of interplanetary dust particles as well as for observations of the zodiacal light were performed and are at present still in operation on the Pioneer Jupiter and Helios solar probes. New data appeared which have been eagerly awaited for years.

The IAU Colloquium No. 31 on "Interplanetary Dust and Zodiacal Light" which took place in Heidelberg from June 10 until June 13, 1975, attempted to bring together all groups active in this field in order to render a thorough discussion of the new results. The response in all parts of the world and the large attendance demonstrated the justification for this meeting. It was sponsored by the IAU and by COSPAR. Three Commissions of the IAU, No. 15 (Physical Study of Comets, Minor Planets and Meteorites), No. 21 (Light of the Night Sky) and No. 22 (Meteors and Interplanetary Dust) supported the colloquium and were represented by their presidents or vice-presidents; on behalf of COSPAR the Panel 3. C on Cosmic Dust was responsible.

The Scientific Organizing Committee of the colloquium consisted of A.H. Delsemme, R. Dumont, H. Elsässer (Chairman), H. Fechtig, C.L. Hemenway, R.C. Jennison, B.A. Lindblad, R.E. McCrosky, V. Vanysek, J.L. Weinberg.

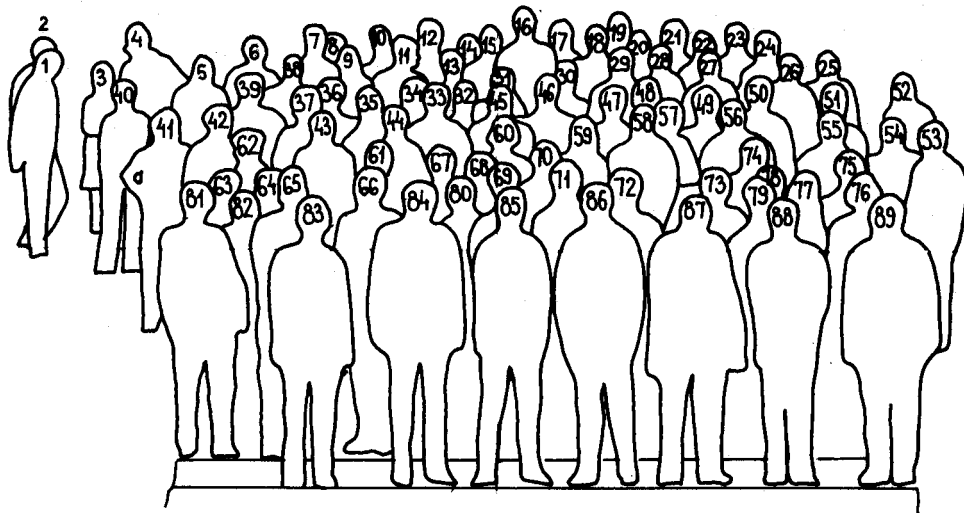
The local organisation was in the hands of H. Fechtig, E. Grün and H. Link. The excellent management of the conference office by Miss T. Filsinger and Miss E. Siepmann is gratefully acknowledged.

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