

## BOOK REVIEWS

J. Bergeron (ed.), *Reports on Astronomy – Transactions of the International Astronomical Union*, Volume XXII A, Kluwer Academic Publishers, Dordrecht, Holland, 1994, VII+605 pp., hard cover Dfl. 285.00/US \$163.00/Uk £112.00, ISBN 0-7923-2709-8.

The reviewed Volume XXII of the *IAU Transactions – Reports on Astronomy* contains the summaries of the main results in astronomical research achieved in the area represented by each IAU Commission during the period July 1990–June 1993. Reports constitute also a unique triennial record of the trends and directions in various branches of astronomy. Altogether there are 39 Commission Reports covering the activities in various fields of astronomy and 3 IAU Working Groups Reports. The Commission Reports are compiled by the presidents of each commission (16 reports) or by the presidents and invited experts, all recognized authorities in their fields (23 reports). They are generally based on information supplied by members of commissions. The style and length of the Commission Reports varies from 2-page outline summaries to thirty or so page compilations and in most cases contain a comprehensive list of references.

The Reports on Astronomy is particularly useful for astronomers and other scientists who want to gain an overview of a certain field, not necessarily near their own research area.

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B. Fleck, G. Noci, and G. Poletto (eds.), *Mass Supply and Flows in the Solar Corona, The 2nd SOHO Workshop*, Kluwer Academic Publishers, Dordrecht, Holland, 402 pp., 1994, hardback Dfl. 225.00/US \$135.00/UK £90.00, ISBN 0-7923-2999-6.

The space-based Solar and Heliospheric Observatory (SOHO) will probably be the last major and very comprehensive project in solar-terrestrial physics before the end of this century. This book contains 66 papers that were presented at the second of five SOHO workshops planned to take place prior to the scheduled launch in 1995. The purpose of the workshop series is to explain capabilities of SOHO and prepare scientific projects and observing plans for the mission. The subjects covered by the present volume are (a) Fine-Scale Structures, (b) Loops and Prominences, (c) Coronal Streamers, and (d) Coronal Holes and Solar Wind.

*Solar Physics* 159: 207–208, 1995.