

TRANSACTIONS
OF THE
INTERNATIONAL
ASTRONOMICAL UNION
VOL. XVIA (REPORTS 1976)
PART 2
REPORTS ON ASTRONOMY

**TRANSACTIONS
OF THE
INTERNATIONAL
ASTRONOMICAL UNION
VOLUME XVIA – PART 2
REPORTS**

INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS
INTERNATIONAL ASTRONOMICAL UNION
UNION ASTRONOMIQUE INTERNATIONALE

TRANSACTIONS
OF THE
INTERNATIONAL ASTRONOMICAL UNION
VOLUME XVIA - PART 2

REPORTS
ON
ASTRONOMY

Edited by
G. CONTOPOULOS
General Secretary of the Union



D. REIDEL PUBLISHING COMPANY
DORDRECHT-HOLLAND / BOSTON-U.S.A.
1976

ISBN 90-277-0740-5

*Published on behalf of
the International Astronomical Union
by*

D. Reidel Publishing Company, P.O. Box 17, Dordrecht, Holland

*All Rights Reserved
Copyright © 1976 by the International Astronomical Union*

*Sold and distributed in the U.S.A., Canada, and Mexico
by D. Reidel Publishing Company, Inc.
Lincoln Building, 160 Old Derby Street, Hingham,
Mass. 02043, U.S.A.*

*No part of this book may be reproduced in any form, by print, photoprint, microfilm,
or any other means, without written permission from the publisher*

Printed in The Netherlands

CONTENTS

8. Positional Astronomy (Astronomie de Position)	1
10. Solar Activity (Activité Solaire)	13
12. Radiation and Structure of the Solar Atmosphere (Radiation et Structure de l'Atmosphère Solaire)	55
24. Photographic Astrometry (Astrométrie Photographique)	85
25. Stellar Photometry and Polarimetry (Photométrie et Polarimétrie Stellaires)	95
26. Double Stars (Étoiles Doubles)	109
27. Variable Stars (Étoiles Variables)	115
29. Stellar Spectra (Spectres Stellaires)	147
30. Radial Velocities (Vitesses Radiales)	157
35. Stellar Constitution (Constitution des Étoiles)	161
36. Theory of Stellar Atmospheres (Théorie des Atmosphères Stellaires)	189
42. Close Binary Stars (Étoiles Doubles Serrées)	207
45. Spectral Classifications and Multi-Band Colour Indices (Commissions des Classifications Spectrales et Indices de Couleur à Plusieurs Bandes)	229