

PART 5

JOINT DISCUSSIONS

- A. Stellar Motions and Stellar Dynamics
 - B. Solar Magnetic Fields
 - C. The Demands made on Celestial Mechanics
by the Preparation of Ephemerides
 - D. Problems requiring Radio-Astronomical
Observations of High Sensitivity and Resolution
-

REPORT OF MEETING OF THE
INTER-UNION COMMISSION
ON
SOLAR AND TERRESTRIAL RELATIONSHIPS

A. JOINT DISCUSSION
ON
STELLAR MOTIONS AND STELLAR DYNAMICS

Friday 18 August 1961 at 14^h00^m

ORGANIZING COMMITTEE: A. Blaauw (Chairman), Ch. Fehrenbach, F. P. Scott and K. Aa. Strand.

MEETING CHAIRMEN: A. Blaauw, K. Aa. Strand, B. J. Bok.

RECORDERS: S. Sharpless and O. G. Franz.

Introductory note

The texts of the twelve prepared contributions, often in abbreviated form, are given first; they are followed by a summary of the discussion on all the contributions considered together.

CONTENTS

1. *W. Gliese.* The Study of the Nearest Stars
2. *F. K. Edmondson.* The Solar Motion for Different Types of Stars
3. *J. H. Oort.* The Constants of Differential Galactic Rotation
4. *A. Blaauw.* The Establishment of the Distance Scale in the Galaxy
5. *W. Fricke.* The Proposed Revision of the Albany General Catalogue
6. *W. Dieckvoss.* What Data will be Provided by the AGK3?
7. *A. N. Deutsch.* The International Programme of Absolute Proper Motions with respect to Extragalactic Nebulae from Astrographic Plates
8. *S. Vasilevskis.* The Lick Program of Absolute Proper Motions
9. *D. Brouwer.* The Southern Program of Absolute Proper Motions
10. *W. J. Luyten.* Proper Motions with respect to Faint Blue Stars
11. *R. M. Petrie.* Current Radial-Velocity Programs for Stars Brighter than Ninth Magnitude
12. *Ch. Fehrenbach.* Programmes de Mesure de Vitesses Radiales Plus Faibles que $m=9$
13. Discussion