

A.A.V.S.O.

SOLAR DIVISION BULLETIN.

Neal J. Heines, Editor.

Number 10, Page 19.

560 Broadway.

July, 1946.

Paterson 4, New Jersey.

Data as contained in the reports from the observers of the AAVSO Solar Division is reduced to a Preliminary Relative Sunspot-Number. This number is used in Washington for Research.

The responsibility of making the reductions up until July 1st., has been assumed by The Carnegie Institution of Washington, Dr. Jno. A. Fleming, Director. On July 1st., this responsibility has been transferred to the Bureau Of Standards, U.S. Department Of Commerce, Dr. J. H. Dellinger, Chief of the Central Radio Propagation Laboratory (CRPL) who will now direct this work.

During the war a number of restricted reports were issued to the U.S. Government by the Carnegie Institution in which mention is made of the work of the Solar Division. One of these reports is published in the June issue of "Terrestrial Magnetism" Vol. 51 No. 2, pp. 247-266, under the title, "The Application Of Solar And Geomagnetic Data To Short-Term Forecasts Of Ionospheric Conditions" by, Dr. Alan H. Shapley.

Copies of this can be obtained from the Johns Hopkins Press, Baltimore 18, Mary; and. The price for single numbers is \$1.00. In the same issue we find a very interesting paper, "Geomagnetic Data On Variations Of Solar Radiation" Part I, by Dr. Julius Bartels.

Most libraries of educational institutions and those in larger cities would have this issue available for reference purposes.

We should all endeavor to obtain some background in the work we are attempting. References will be made from time to time in this bulletin relative to interesting papers available, in order to assist you to obtain this background.

Popular Astronomy will publish in an early issue (probably August) a paper by Dr. Alan H. Shapley, "American Observations Of Relative Sunspot-Numbers In 1945 For Application To Ionospheric Predictions".

THIS PAPER SHOULD BE A MUST FOR ALL S.D. OBSERVERS.

The methods used in making the reductions along with formulae are contained in this work. Also, the procedure used in the establishment of your constant.

Proper recognition to individual observers of the S.D. along with tables charts and graphs. Table Number 3 is one of comparison with Zurich Numbers and speaks well for the work of all of you.

Do not miss this issue. Popular Astronomy can be obtained by writing to Popular Astronomy Carlton College Northfield, Minn.

Road Sky And Telescope for a complete coverage on the Detroit Meeting to consider organization of all American Amateur Astronomers into one unit for efficient results.