

British Astronomical Association

VARIABLE STAR SECTION

CIRCULAR 8

Deurne, Antwerp, 1925 March 15.

26, rue Herry.

WORKING LIST 1925. — A Working List of the 52 objects forming the regular Programme of the Variable Star Section in 1922 was published in *Circular* 1, pp. 1 and 2, (2). During the last three years, seven fresh stars have been taken up by the Section, and the wish has been expressed by some Members that an up to date Working List should be issued, together with some details on the Variables under observation. The present Circular is issued with this object in view.

The Table on pages 26 and 27 gives, in the order of Right Ascension for 1925.0, the following data regarding the 59 stars at present constituting the regular Programme of the Section : —

Column 1. — A current Number.

Col. 2. — Name of Variable according to the Argelander-Hartwig system of nomenclature.

Columns 3 and 4. — Right Ascension to the nearest second, and Declination to the nearest tenth of a minute of arc, reduced to 1925.0 from Müller & Hartwig's "Geschichte".

Col. 5 and 6. — Mean magnitude at Maximum and at Minimum.

Col. 7. — Mean Period deduced from the Maxima, to the nearest day.

Col. 8. — Mean interval, in days, from Minimum to the following Maximum, i.e., length of the ascending branch of the Light Curve. When Period and $M-m$ are not given, the star is not a Long Period Variable.

The data in Columns 5 to 8 are, in most cases, the results of our own observations, and more generally of those made in 1900-1919, taken from Appendices to *Memoirs B.A.A.*, Vols XV and XVIII; and XXII and XXV. For stars recently added to our List, the data have been weighted from our observations and from other sources, more particularly from the work of the Rousdon observers.

Col. 9. — The year when the regular V.S.S. observations began. In a few cases (57 **SS CYGNI**; 19 **U GEMINORUM**), some observations were made previous to the year given, but they are sparse and do not completely define the variation.

Col. 10 shows the number of the Report of the Variable Star Section in which our original observations have been printed, viz: Report 6 = 1899-1904, *Memoirs B.A.A.*, Vol. XV, 1906; 7 = 1905-1909, Vol. XVIII, 1912; 8 = 1910-1914, Vol. XXII, 1918; 9 = 1915-1919, Vol. XXV, 1924.

Col. 11 shows the B.A.A. publication in which continuous Light Curves from the V.S.S. observations have been published, viz: **A** = 1899-1904, *Memoirs B.A.A.*, Vol. XV, 1906; **B** = 1900-1909, Appendix to Vols XV and XVIII, 1913; **C** = 1910-1919, Appendix to Vols. XXII and XXV, 1924.

A continuous curve of 57 **SS CYGNI** since 1908 has appeared in the annual Reports on this star, in the Journal.

