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**PHOTO-ELECTRIC OBSERVATIONS OF THE SHORT-PERIOD ECLIPSING BINARY
W URSAE MAJORIS MADE ON 20 MARCH 1957**

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In this paper 156 photo-electric observations of W UMa, made on 20 March 1957, are given and discussed. An orange colour filter has been used. The epochs of a primary and the succeeding secondary minimum are computed. After correction for the asymmetric terms in the light-curve, the phase difference

between the secondary and the primary minimum turned out to be $.5016 \pm .0006$ m.e. In the light-curve a significant $\sin 2\theta$ -term is present. However, the coefficient of the $\sin \theta$ -term is small and consequently the two maxima are about equally bright.