

ABSTRACTS

Meteor, a bimonthly bulletin of the Friendly Society of the Hungarian Amateur Astronomers, published for the amateur observers by the TIT Urania Observatory /Budapest I., Sánc u. 3/b Hungary/. Edited by L. Bartha.

Naked eye observations /p. 2/

Nova Cephei 1971 /p. 3/ /With a map, p. 7 /

The observation of occultations /p. 3//Dipl. phys. J. Molnar, CSSR/

Time-keeping with amateur devices /p. 5/ Application of radio time signals and of the chronometer.

Eclipsing of ξ - Aurigae in 1971/72 /p. 6/ /L.B. jun./ Invitation to the observation of the eclipsing binary between 26.11.71 and 5.1.72.

Bright variable stars in the winter sky /p. 8/

Sunspots and the Socchi-phenomenon /p. 8/ /Á. Kancsura/ Observation of the bright Secchi- ring between the umbra and the penumbra of sunspots. Such a phenomenon was observed for a short time by J. Papp /Budapest/ on th 6th June 1971, at 12⁴²UT.

Observation of meteors in the first half of 1971 /p. 9/ /S. Keszthelyi and Cs. Mezösi/. In Hungary, 131 meteors and 7 bolides were observed by 19 amateurs. Of the swarm of Bootes, 9 meteors were seen in May, the radiation point of which was:

RA = 13^h 42^m, Decl. = + 21^o.

Extremely dark Moon eclipse /p. 11/ Column 1. shows the location /rown/, name and instrumental data of the observers in Hungary during the Moon eclipse of 8.6.71. Column 2. The darkening of the eclipse was between 4,5 and 5 in the Danjon scale. The intensity of the shadow is irregular. Column 3. Times of exit measured by different observers in UT. Column 4. During the eclipse the crater Kepler seemed very bright /TLP!/.

Oscillation of the tail of comet Bennet /p. 13/ /S. Keszthelyi/. The table gives the angle of the comet 1970 i to the radius vector.

The emersion of Beta Sco. from behind the Jupiter /p. 13/ /A. Ujvárosi and S. Tóth/. The position of the observers:

Lat. = +47^o62', Long. = -21^o42'. Instrument: 15 cm reflector, magnification: 200 times. Times of emersion: Beta Sco. A = 13.5.71, 20^h07^m10^s; Beta Sco. B = 20^h15^m30^s UT.

Intensity of the streaks of Jupiter in 1971 and 1972 /p. 13/ /L. Bartha and S. Keszthelyi/. The table shows the average intensity of the dark streaks.

An exceptional spot on the Jupiter /p. 14/ /L. Bartha/.

On the 10th August 1971, between 19⁰⁰ and 19²⁷ UT a very dark spot was observed on the south rim of SEB both at the Urania Observatory in Budapest and at the Central Observatory of Hurbanovo in the CSSR. Its position in System I. was: W - top:

346^o, centre: 357^o, E-top: 8^o, intensity 5 D.

Stars in the sky /p. 14/