

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. 5/o Hungary/. Edited by L. Bartha.

Results and hopes /p.2/

The Venus in the evening sky /p.3/ /L. Bartha/

Two bright variables in the Monoceros: T and U Mon. /p.4/

Attention of observers of the variables /p.4/ - Call for The observation of Zeta Aur and Alpha Ori.

Results and experiences of Sun-observations /p.5/ /A. Kancsura, Szolnok/ - Between September 1967 and 1971 nine amateurs of Hungary and one of Romania have sent in 1051 Sun-observations. Data show a parallelism with the R-numbers of Zurich.

To our amateur observers: /p.7/ - Call for communication of the data of October Draconides and for the observation of the concave shadow of Saturn.

Books - Maps /p.7/ - Foreign astronomical almanachs for 1972.

Extremely dark eclipse of the Moon, 06.06.1971. Part II. /p.9/

1. Observation of exits and of the contacts II-IV., name and location of the observers. -2./ /L.Bartha/: Enlargement of the Earth-shadow form the contacts III. and IV. /E/ amounted to 2,2 - 3,0%, i.e. by an average value of 0,6% higher when compared with the mean enlargement experienced /E'/ /Tab.I./ - 3. /S.Keszthelyi-Cs.Mezősi/: Table II. shows the deviation of the contacts II., III. and IV. from the ephemeris-data /o-c/. According to these the enlargement of the shadow was about 30-40 km. /i.e. 0,7% as against the average enlargement/

The Martian opposition of 1971 /p.10/ - A review of observers, observatories and instruments. - 1. The surface of the Mars was rich in details in July-August 1971 with very strong contrasts. - 2. Tabl. III. shows the transparency of the atmosphere of Mars at the central region of the planet /Tc/ and at the peripheries /Tr/. Scale of transparency: 0=non-transparent, 5+=extremely transparent. /See:METEOR 71/4.p.4 and 16./ - 3. On the last page the diagrammatical picture shows characteristic Martian figures /p. 15/

Extremely dark-shaded spot on the Jupiter /p.12/ - On 10th August in the System I at jovigraphic longitude 311° or 314°, on the S-margin of the South Equatorial Belt an extremely dark spot of 22° length was observable. /L.Bartha and J.Kelemen/. On 15th August the longitude of the spot was 16° according to L.Bartha and 25° according to J.Szeiber in the System I.

Transient Lunar Phenomenon /TLP/ /p.12/ I.Nyitrai, Dunaujváros
On 6th June 1971 a very bright spot appeared W of the crater Eratosthenes between 20^h15 and 20^h19 MEZ /blink/, after it has faded quickly. /Latitude selenographic: +15°, longitude:-8°./
Observation by means of a telescope of 9,5 cm aperture, magnifying 35-75 times.

Pleiades-occultation on 14th August 1971. /p.12/Dr.W.Sandner, Graing near Luncb.DBR/ Dates of reappearance of 16,19 and 20 Tauri in UT.

Stars in the sky /p.13/ Occultations /p.14/ I.Molnar, CSSR.