

## ABSTRACTS

METEOR, Bulletin of amateur astronomical observations URANIA  
Observatory Budapest I., Sánc u. 3/b.

Opening announcement /p.1/

The observers working groups have been formed /p.2/

Name and address of group-leaders controlling the observation of the Sun, the variables and the novae, meteors and comets as well as of those making lunar-photographical, Planetary-topographical and eclipses-and occultations-observing works.

Two eclipses in February /p.3/

Observing lunar eclipses /-th-/ /p.4/

Request for observing and communciating of the contacts of the Lunar eclipse.

Four Pleiads-occultations in one year /p.5/

The ring of Saturn L. Bartha /p.5/

Request for the observation of concave shadow-phenomenon appearing on the ring of Saturn.

The time-signals of the radio P. Kérdő /p.6/

### Observations

Two brilliant fireballs 1./ 22.7.70 at Jósvaló at 22<sup>08</sup> U.T. a quick-moving fireball of - 7 magn. brightness was observed by L. Bartha and F. Schmidt. 2./ 22.10.70 near Sopron a slow-moving /towards WNW/ fireball of - 15 magn. brigtness was observed by several people at a sów level above the horizon /Communicated by P. Szilvay/ /p.7/

The Great Red Spot of Jupiter s. Keszthelyi /p.7/

Jovigraphic longitude of GRS for 1964,4 is : 26<sup>95</sup>, for 1970,5 amounts to 25<sup>0</sup>, according to the measurements. Its intensity is rather high.

The brightness of comet Bennett 1969i and Abe 1970g L. Bartha /p.8/ The table contains the apparent brightness of the coma of the Bennett comet. From it the following photometric parameter-values could be deduced: between 29.3.70 and 8.4.70:  $M_0=4,9$ ,  $n=5,0$ , while after 8.4.70  $M_0=5,2$ ,  $n=4,0$ . The parameters of Abe 1970g were between 4.9 and 10.10.70:  $M_0=5,7$ ,  $n=2,2$ .

Lunar eclipse on the 17<sup>th</sup> August S.Keszthelyi-Cs.Mezősi 1970.

Fig.3 shows the border of the Earth shadow at the times given in U.T. First contact: 12<sup>40</sup> U.T. Observation of transient lunar phenomena L.Bartha /TLP/ in 1970 /p.9/ Enumeration of the observers being at work in 1970, the numbers of observation-hours being given in brackets. On p.9-10: times of the phenomena, names of the observers, names of lunar objects and types of the phenomena are given.

METEOR is a bimonthly bulletin of Hungarian amateur astronomical observers. Foreign institutions, societies and observers may be requested to send their publications in exchange.

Foreign results will be reviewed in METEOR and Föld és Eg /Earth and Sky/. Our address is: URANIA Observatory, Budapest I., Sánc u. 3/b. Hungary.