

## ABSTRACTS

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- Why do we prefer photoelectric photometry? (p. 2.)

The authors describe the necessity of photoelectric photometry also in the amateur study of different types of variable stars. They discuss the photoelectric photometry of dwarf cepheids, RR Lyrae stars and cepheids in details. Other types are also proposed for amateur photometrists (semiregular stars, R CrB Variables, dwarf novae, etc.). The paper was originally published in "Advances in Photoelectric Photometry Vol. 2.", ed. R. C. Wolpert, R. M. Genet; Fairborn Obs.

- Spring meteor showers in 1985 (p. 22.)

In the first six months of 1985 696 meteors were observed during 144,4 hours. 296 of these belonged to 13 different showers. There were 102 ZHR values determined, most of them only of statistical importance. On pp. 22-24 we list the solar longitudes and ZHR-s of these showers. The maximum of April Lyrids was observed well enough to determine the statistical parameters of the shower, shown on p. 25.

- R Leonis 1968 - 1985 (p. 34.)

R Leonis is a Mira type variable, discovered by Koch in 1782. The star was observed regularly by Hungarian amateurs between 1968 and 1985. Their work resulted 1797 estimates, using AAVSO sequence. Data are plotted on a light curve as 5-day means (see p. 35.-37.). We observed 11 maxima and 5 minima, their epochs are listed in Table 1. on p. 34. Analysis of the observed maxima resulted an average period of 312.2 days. R Leo changes its period on a large scale. We observed a sudden decrease in period between JD 2444150 - 2444250. See our O-C diagram on p. 37.



# meteor

A TIT Csillagászat Baráti Köre megfigyelési tájékoztatója csillagászati szakkörök és észlelő amatőr csillagászok számára

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