

## Abstracts

### ■ POSSIBILITIES OF PHOTOELECTRIC PHOTOMETRY IN HUNGARY (part three) p.4

The author gives a brief review of the different kinds of photomultiplier tubes and filters recommended for amateur photoelectric work. He describes the sources and prices of some American and Soviet photomultiplier tubes, providing graphs of their spectral response and homogeneity. A short description is also given on the currently available complete photoelectric photometers (Starlight-1, SSP-3 and HPO PEPH-101).

### ■ THE MAXIMUM OF PERSEIDS IN 1987 p. 28

Meteor observer István Csóti, Budapest reports his 4.25 hour-long observing run made on 12/13 August. His observing station is located in the eastern suburb of Budapest. In spite of the bad observing conditions (light pollution and full Moon) he detected as many as 122 meteors, 85 of them were Perseids. The distribution of other streams were as follows: Aquarids (10), Cygnids (10), Cassiopeids (14), Upsilon Pegasids (1), sporadics (2). A sketch of the observed meteor trails is on p. 28.

### ■ PERIOD ANALYSIS PROGRAM p. 38

Professional astronomer Károly Szatmáry, József Attila University, a regular contributor to the variable star column, wrote a program in Simon's BASIC for the C-64 to search for periods in the light curves of pulsating variable stars. It was published this year, in the Hungarian astronomical yearbook. The author (György Zajác) has adopted this program for other microcomputers (ZX Spectrum, IBM PC). A program list written in BASIC is also given for the ZX Spectrum along with a brief description. Using 136 ten-day averages of Z Ursae Majoris, the running time is 1<sup>h</sup>57<sup>m</sup> for this program. The Pascal version needs much less time, as is clearly seen in the table on p. 38.

# Tartalom

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