

Abstracts

A simple model of the meteor phenomenon

p. 7

A simple model of the meteor phenomenon is given on the base of an article written by J.A. Kennewell, Sky & Tel. Vol. 73., No. 1., p. 83. A BASIC program is presented for Sinclair ZX Spectrum owners. The author gives his comments and first experiences about the effects of variations of the main physical parameters of the meteoroids. This article

is a foreword before a planned series "On the Physical Theory of Meteor Phenomenon". For more details contact Tibor Hegedűs, 6500 Baja, Kodály Z. út. 5, Hungary.

The Sun p. 19

This April we detected an especially high Solar activity. 28 members reported 177 observations made on 27 different days. Inactive surface was detected on two days. 70 sunspot groups was observed. The biggest one passed the central meridian on April 12-13 with a total length of 160,000 km. Some of the best drawings of April are presented on p. 21.

Variable stars p. 37

During March and April 30 members sent in 3523 variable star estimates. The most interesting variable stars are listed on p.37. We observed all novae of recent years. The most interesting of them is Nova Herculis '87, this variable was nearly constant at mag. 11. We found that the comparisons of AAVSO Preliminary sequence show contradiction.

Dwarf nova CH Ursae Majoris showed an unusual activity. Three outbursts were recorded (JD 850, 14.0; JD 878, 12,5; JD 905 12.0). The brightness of outburst observed at JD 905 is not confirmed.

Colin Henshaw, Kadoma, Zimbabwe reported his independent discovery of SN 1987A on February 24.76 UT at mag. 4.6. According to his estimates the supernova brightened up to mag. 2.8 by early of May.

Double stars

We received a relatively high number of observations, 76 for the months March-April. The thousandth double star observation of "Meteor" was made by Sándor Papp, Kecskemét on STF 1899 Lib.

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