COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
Number 1034

Konkoly Observatory
Budapest
1975 August 13

VARIABILITY OF THE δ SCUTI STAR 38 CANCRI

The variability of 38 Cnc was detected by Breger (ApJ 162,597,1970) observing photoelectrically all the stars in the Praesepe Cluster in or near the instability strip. Then Gupta and Bhatnagar (IBVS No.908, 1974) measured the star through B filter only and they determined the period P = $0^d.108$ and the amplitude $\Delta m = 0^m.07$.
38 Cnc was observed at the Merate Observatory through B filter during two consecutive nights and through V and U filters during one night, respectively. The light amplitudes are as follow:

J.D.	Colour	Δm
42468.	B	$0^m.055$
42469.	B	.025
42471.	V	.040
42497.	U	.050

The mean period determined using all the light curves is $P=0^d.102$ approximately. The observations in B light show clearly notable variations of the light amplitude from night to night; this is usual for δ Scuti stars.
Further observations are in progress.

G. GUERRERO
Osservatorio Astronomico
Via E. Bianchi, 46
22055 Merate (Como) Italy.