COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
Number 965

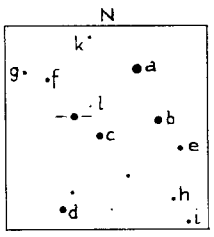
Konkoly Observatory
Budapest
1975 February 20

THE NEXT MINIMUM OF THE LONG PERIOD ECLIPSING BINARY EE Cep

This very interesting eclipsing star with P = 2049^d and D = $0^p.013$ (Meinunger, Mitt. veränderl. Sterne 6, p,89) enters the next minimum on April 26/27, 1975 (mid-eclipse May 8). The minimum takes about 25 days.

According to Herbig (ApJ 131,p.632) the spectral type is B5:neb. An image-tube spectrogram taken by Notni at Tautenburg shows also a bright Hα-line. Spectroscopical observations at the minimum are therefore of great interest.

The author intends to publish a summarizing report; observers are requested to place their observations at his disposal. On Sonneberg plates taken by Götz we measured a sequence of comparison stars. The magnitudes are in the system of Hoag's sequence in NGC 7235 (Hoag et al.,Publ. US Nav.Obs. Second Series Vol. XVII,p.478). EE Cep (max.) and star c were observed photoelectrically by Barbier et al. (Astron. and Astrophys. 27,p.421). These observations contradict the measurements of EE Cep given by Fernie (ApJ 172,p.383), who probably observed another star.



	V	B	U	
EE Cep	10.72	11.09	10.91	BD +55°2693
a	10.5	10.7	11.0	BD +55°2690
b	11.5	11.3	11.5	
c	11.32	11.57	11.49	BD +55°2691
d	12.3	12.4	12.6	
e	12.7	13.0	13.0	
f	13.1	13.6	13.6	
g	13.1	13.7	13.9	
h	12.2	13.5	14.3:	
i	13.1	13.7	13.8	
k	13.3	14.3:	14.1	
l	13.4	14.7	-	

L. MEINUNGER
Sonneberg Observatory of
Central Institute for Astrophysics of
Academy of Sciences of the GDR