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NOTE ON V 644 Cen = HD 306989 (B3)

This variable star, investigated by O'Connell (1) and Gaposchkin (2), was suspected to be an eclipsing variable. They found a descending branch to a deep minimum in 1950 with an amplitude from  $9^m.55$  -  $10^m.25$  pg. No later observations have been published.

An examination - with Argelander-step-method - of 271 Bamberg Sky Survey plates leads to the  $100^d$  - mean magnitudes of the table. The star returned to a new maximum light of  $8^m.86$  pg. Used comparison stars are

CPD - 59<sup>o</sup>3803 (B8)  $8^m.42$  pg  
 CPD - 59<sup>o</sup>3734 (B8)  $9^m.19$  pg

Table of observations

Date (J.D.)	Mag. (pg.)	N
2438472 <sup>d</sup>	$8^m.90 \pm 0^m.12$	26
527	8.85 0.06	46
791	8.88 0.09	6
859	8.82 0.12	37
907	8.86 0.08	11
39180	8.74 0.11	8
237	8.87 0.09	32
569	8.91 0.11	7
629	8.93 0.09	3
948	8.82 0.08	13
40285	8.83 0.07	4
350	8.86 0.12	11
670	8.86 0.11	32
726	8.90 0.13	7
41064	8.83 0.11	18
174	8.78 0.06	4
42718	8.97 0.06	3

N = number of plates

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 Bamberg

References:

- (1) O'Connell - MN RAS Vol. 111, 111 (1951)  
 (2) Gaposchkin - HA Vol. 113, 2 (1953)