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BV 394 = BD+42°3471 (8<sup>m</sup>.9)

Observations by R. WEBER, Paris (communication by letter) and K. HAUSSLER (communicated in Hartha Beobachtungs-Zirkular 1966, No. 34, 35, 36) proved our data concerning variability and type of Cepheid of BD +42°3471 (8<sup>m</sup>.9) given in Vol. VI, No. 16 of the "Veröffentlichungen der Remels-Sternwarte Bamberg"

According to his observations HAUSSLER had already derived a period on which we based our calculations. Because of the large time-interval covered by our observations we could improve the period and we had to enlarge it from 4<sup>d</sup>.925 249 to 4<sup>d</sup>.925 46. The period is accurate according to an interval of 2564 epochs (1932-1965).

Magnitude-estimations of HAUSSLER have been fitted to our lightcurve.

Elements: Max = 242 6427.300 + 4<sup>d</sup>.925 46 . E (Cep)  
ptg. magnitudes: 9<sup>m</sup>.4 - 10<sup>m</sup>.3 (Fig. 1)

Maxima

JD	E	O-C	JD	E	O-C
242 6427.558	0	+0. <sup>d</sup> 258	242 8752.452	472	+0. <sup>d</sup> 335
6811.522	78	+0.034	9077.449	538	+0.252
.536	78	+0.050	9111.387	545	-0.309
.552	78	+0.066	243 6731.506	2092	+0.144 W. <sup>+/</sup>
.572	78	+0.086	6756.462	2097	+0.472 W.
* .593	78	+0.107	6761.460	2098	+0.445 W.
6860.467	88	-0.273	6780.417	2102	-0.200 W.
.488	88	-0.252	6785.421	2103	-0.121 W.
.509	88	-0.231	6810.398	2108	+0.228 W.
6949.355	106	-0.044	6815.367	2109	+0.272 W.
.376	106	-0.023	6899.250	2126	+0.422 H. <sup>++/</sup>
.398	106	-0.001	7199.479	2187	+0.178 H.
7003.255	117	-0.323	7583.294	2265	-0.173
.278	117	-0.301	7903.395	2330	-0.227
7274.398	172	-0.081	7933.319	2336	+0.144
7333.334	184	-0.251	8258.431	2402	+0.176 H.
.356	184	-0.229	8322.333	2415	+0.047 H.
7983.490	316	-0.251	8652.473	2482	+0.181 H.
.515	316	-0.230	8672.423	2486	+0.429 H.
8067.350	333	-0.128	9002.357	2553	+0.358 H.
8107.292	341	+0.411	9056.292	2564	+0.113 H.
8126.272	345	-0.312			

+/ = R. WEBER, communication by letter

++/ = K. HAUSSLER, Harthaer Beobachtungs-Zirkular (HBZ),  
1966, No. 34, 35, 36.

Bamberg, Reimis-Observatory  
1 February 1966

H. OTT