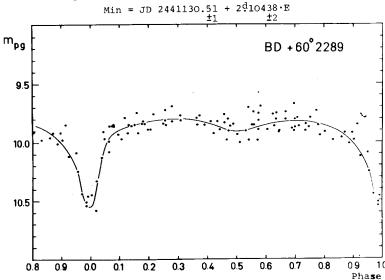
COMMISSION 27 OF THE I. A. U. INFORMATION BULLETIN ON VARIABLE STARS Number 980

Konkoly Observatory Budapest 1975 March 20

PHOTOGRAPHIC PHOTOMETRY OF BD $+60^{\circ}2289$, A NEW BRIGHT ECLIPSING BINARY

Using the 7 Minima fainter than $10^{m}_{\cdot\cdot}3$ the best period was found by least squares fit. The Figure shows the light curve of BD +60°2289 plotted over phase using the derived light elements



The light curve shows that the variable is an eclipsing binary of type "EB" with

 $\begin{array}{rcl} \text{Max} & = & 9 \, ^{\text{m}} 8 \\ \text{Min I} & = & 10 \, ^{\text{m}} 5 \\ \text{Min II} & = & 9 \, ^{\text{m}} 9 \end{array}$

The scatter of the measurements, which is larger than expected from the above estimates of the error, may be due to a faint unresolved nearby star, disturbing slightly the photographic image of the variable. But it seems more probable, that this large scatter comes from an intrinsic property of the binary itself. This question, however, has to be answered by means of photoelectric investigation.

Acknowledgements: This work was supported partly by Landesamt für Forschung, Düsseldorf, and Deutsche Forschungsgemeinschaft (Az.Schm 167/12).

F. GIESEKING
Astronomische Institute
der Universität Bonn
Observatorium Hoher List

٠,

	JD _{Hel} 2400000 +	m _{pg}	JD _{Hel} 2400000 +	m _{pg}
	39388.3774	9 [™] 86	40565.4283	9 ^m 90
	39389.4225	9.80	40714.4922	9.81
	39390.3545	9.85	40720.5475	9.84
	39391.3663	. 9.85	40732.5136	9.92
•	39531.2749	9.91	40739.4409	9.92
	39533.2679	10.46	40739.5089	9.89
	39534.2763	9.80	40740.4590	9.90
	40289.3012	9.85	40740.4530	9.88
	40368.5448	9.85	40740.3300	9.92
	40381.5210	9.86	40741.4080	
	40382.5266	9.74		9.90
	40383.5370	10.13	40749.4620 40749.5260	10.12
	40418.4670	9.75		10.25
	40422.5456	9.81	40774.4590	9.91
	40425.5506	10.45	40775.4563	9.82
	40426.5507	9.86	40776.4458	9.87
	40420.5307	9.67	40777.4987	9.84
			40780.5467	9.90
	40439.4845 40439.5776	9.76	40781.4579	9.85
		9.74	40795.5605	9.98
	40440.4297	9.86	40797.4648	9.90
	40440.5213	9.79	40798.5572	9.81
	40441.4131	9.70	40804.4658	10.08
	40441.5013	9.69	40916.2948	9.89
	40442.5152	9.86	40917.3677	9.86
	40443.4381	9.93	40981.3246	9.97
	40443.5430	9.85	41070.5608	10.00
	40444.5264	10.33	41071.5601	10.51
	40445.4167	9.89	41075.5595	10.01
	40447.4084	9.85	41098.4976	9.94
	40447.5022	9.82	41104.5131	9.91
	40464.3867	9.76	41125.4750	9.89
	40466.3930	9.82	41125.5243	9.86
	40467.5285	10.09	41126.5015	9.93
	40475.4390	9.79	41127.5126	9.89
	40476.4169	9.84	41130.5065	10.44
	40477.5238	9.80	41133.5026	9.92
	40485.4941	9.84	41134.5151	9.98
	40499.3290	9.99	41136.5318	9.96
	40499.5137	9.85	41146.4461	9.98
	40500.4082	9.75	41148.4885	9.98
	40501.4026	9.97	41149.4907	10.58
	40504.3720	9.83	41150.4323	9.98
	40508.4004	9.77	41151.5262	10.54
	40510.3650	9.77	41153.4429	9.92
	40514.3810	9.76	41154.4291	9.85
	40514.5143	9.69	41159.5091	9.85
	40515.5567	9.73	41161.4474	9.87
	40531.3008	9.72	41161.5259	9.84
	40531.5265	9.79	41162.4551	9.82
	40532.3480	9.79	41164.5128	9.75
	40557.4230	9.80		5