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

NUMBER 587

Konkoly Observatory
Budapest
1971 October 19

Veröffentlichungen der Remeis-Sternwarte Bamberg
Astronomisches Institut der Universität Erlangen-Nürnberg
Band VIII, Nr. 98
Florida Contribution Nr. 28

ELEMENTS FOR TWO BAMBERG VARIABLES

The derivation of periods of variable stars from sky patrol plates can lead to spurious periods due either to insufficient data to obtain a unique period or the distribution of exposure times as a result of observing conditions. One such example would appear to be BV 626. Although the originally published elements were that of a Cepheid with a period of $6^{d}.61$ (IBVS Nr.100), it has recently been suggested by J.GRAHAM (private communication) that the star may have a much shorter period. With a larger number of sky patrol plates from the Southern Station of the Remeis Observatory Bamberg at the Boyden Observatory, South Africa and from the Southern Station of the University of Florida Gainesville at the Mount-John-Observatory, New Zealand, the following elements have been found:

BV 626 = CoD $-28°0307(10^{m})$

Min = JD 244 0553.285 + $0^{d}.463\ 113$. E

	Maxima	E	O-C
243	8297.452(1/2)	-4871	-0.010
	8621.566	-4171	-0.054
	8641.494	-4128	-0.061
	8707.347(1/2)	-3985	+0.067
	8728.274(1/2)	-3941	+0.117
	8979.598(1/2)	-3398	-0.029
	9006.504	-3340	+0.016
	9383.463(1/2)	-2526	+0.001
	9389.458	-2513	-0.024
	9435.307	-2414	-0.023
	9436.309(1/2)	-2412	+0.052
	9442.319(1/2)	-2399	+0.042
	9443.316(1/2)	-2397	+0.113
	9767.436(1/2)	-1697	+0.054
244	0527.347	- 56	-0.004
	0554.277(1/2)	+ 2	+0.066

Ampl. $0^{m}.85$; RR Lyrae

BV 1481 = CoD -23°0737(7m5) = CAP -23°0227(6m2) = HD 12180 F_2

Min = JD 244 0566.652 + 0d.733 282 . E

	Minima	E	O-C
243	8369.313(1/4)	-2996.5	-0.059
	8728.319	-2507.0	+0.005
	8995.594(3/4)	-2142.5	-0.001
	9006.549(3/4)	-2127.5	-0.045
	9060.417(1/2)	-2054.0	-0.073
	9361.579(1/4)	-1643.5	+0.078
	9383.507(3/4)	-1613.5	+0.006
	9404.392	-1585.0	-0.007
	9414.367(1/4)	-1571.5	+0.067
	9444.359(3/4)	-1530.5	-0.005
	9761.491	-1098.0	-0.018
	9768.483(1/2)	-1088.5	+0.009
	9771.463(1/2)	-1084.5	+0.055
	0526.391(1/4)	- 55.0	+0.070
	0530.392(1/2)	- 49.5	+0.038
	0536.285	- 0.5	+0.000

Amplitude 0m5 with a deep secondary minimum, EB

R. BLOOMER

Remeis-Sternwarte Bamberg
and University of Florida
Gainesville