Scheinbare Positionen der Vergleichsterne.

<i>a</i>	347°48' 23"7	+4°22' 36"6	Lal. 45636.	<i>m'</i>	3° 8' 35"3	+8°42' 15"5	Bes. Zone 111.
<i>b</i>	348 11 40,5	+4 34 23,5	<i>b</i> ✕ nach <i>Wrottesley</i> u. <i>Henderson</i> .	<i>n</i>	4 4 36,4	+9 5 57,9	—
<i>d</i>	349 27 8,0	+5 13 35,6	Bes. Zone 25.	<i>o</i>	3 49 33,6	+9 25 0,4	durch <i>n</i> bestimmt.
<i>e</i>	349 12 10,9	+5 22 20,4	—	<i>p</i>	4 48 31,8	+9 19 39,3	Bes. Zone 29.
<i>f</i>	350 3 18,4	+4 55 22,0	—	<i>q</i>	6 27 0,7	+8 57 4,1	Bes. Zone 111.
<i>g</i>	358 42 1,6	+8 7 50,2	Bes. Zone 120.	<i>r</i>	5 51 5,4	+8 29 11,1	—
<i>h</i>	359 21 37,3	+8 27 16,0	— 111 u. 120.	<i>s</i>	7 10 56,8	+8 3 23,8	—
<i>i</i>	1 2 39,0	+8 18 54,1	— 111.	<i>u</i>	6 42 38,1	+8 15 49,8	—
<i>k</i>	0 44 35,5	+9 14 19,4	— 111.	<i>v</i>	8 4 17,2	+7 40 24,4	—
<i>l</i>	1 56 31,4	+8 55 36,4	— 111.	<i>w</i>	8 0 19,6	+7 18 25,6	Bes. Zone 38.
<i>m</i>	3 12 33,8	+9 6 46,3	— 29 u. 111.				

*Argelander.*Ueber veränderliche Sterne, von Herrn *J. R. Hind*.

The variable star discovered by me in Cancer, to which reference is made by Professor *Argelander* in a recent No. of your *Nachrichten*, has a period of about 9d 1^h according to my observations of 1848. The variations take place in about one-tenth or so of the whole period: for eight days or thereabouts the star shines as an eighth magnitude and I believe then suddenly diminishes to the 10.11 mag. Such is the result of the observations of 1848: I had intended to watch this star closely during the last winter, but we have had most unfavourable weather. I have every reason to suppose that the changes in the brightness of this star follow similar laws to those operating in the case of Algol, as indeed Prof. *Argelander* has hinted.

I avail myself of the present opportunity of forwarding to you the approximate periods etc. of three other variable stars, which I have detected in the course of a search for planets. The positions refer to 1850 and the results generally are to be regarded as first attempts to assign the laws of variation.

	AR.	N. P. D.
(1) *	7 ^h 34 ^m 2 ^s 41	66°12' 11"6
	Greatest brightness	9
	Least	0
	Period	296 days or 0 ^y 8 ^m 81
	Maximum observed	1852.17
	Next Maximum	1852.98

	AR.	N. P. D.
(2) *	7 ^h 40 ^m 17 ^s 51	65°53' 45"7
	Greatest brightness	8.9
	Least	0
	Period	292 days or 0 ^y 8 ^m 80
	Maximum observed	1852.11
	Next Maximum	1852.91
(3) *	8 ^h 45 ^m 44 ^s 39	86°21' 59"2
	Greatest brightness	8
	Least	13.14
	Period	260 days or 0 ^y 7 ^m 71
	Maximum observed	1852.23
	Next Maximum	1852.94

You will not fail to remark that (1) and (2) situated so nearly in the same position have similar periods and really appear to be varying together.

The next maxima in all three cases may be well observed and I beg to recommend these stars to the favourable notice of the readers of the *Astron. Nachr.* hoping that sufficient observations may be secured to show the exact times of the next maxima.

J. R. Hind.