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INFORMATION BULLETIN ON VARIABLE STARS
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Veröffentlichungen der Remeis-Sternwarte Bamberg
Astronomisches Institut der Universität Erlangen-Nürnberg
Band X,Nr.101

NEW FAINT SOUTHERN VARIABLE STARS

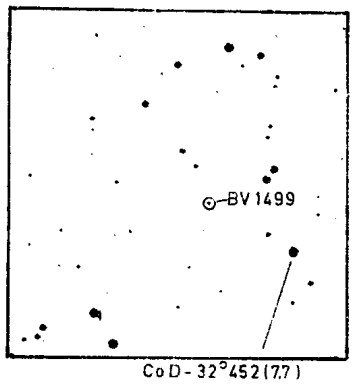
On sky patrol plates taken at the Southern Station of the Dr.-Remeis-Sternwarte Bamberg, at the Boyden-Observatory, Bloemfontein, South Africa, further 12 faint stars were found to be variable (11 new stars and 1 confirmation of an already mentioned Sonneberg-Star in the Catalogue of Suspected Variable Stars).

The brightness of these stars were obtained from the Harvard-Groningen-Atlas, Selected Areas (edition 1965 by A. BRUN and H. VEHRENBERG).

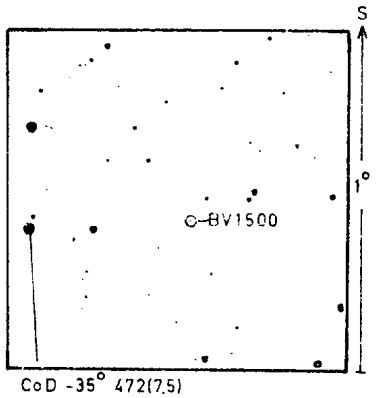
Finder-charts are 1° in declination. South is up.

BV-Nr.	RA	Decl.	max. brightness	Ampl.	Type	Remarks
	1900.0		pg	pg		
BV 1499 Scl	$1^{h}02^{m}42^{s}$	$-32^{\circ}51'2$	$11^{m}.8$	$0^{m}.6$	RR?	1
=CSV	123 = S 4796					
BV 1500 Scl	1 20 24	-35 10.6	12.4	0.4	C	2
BV 1501 Hor	3 13 53	-67 18.5	11.8	0.3	C?	3
BV 1502 Pup	6 56 32	-37 24.2	12.1	0.3	RR?	4
BV 1503 Vol	7 11 57	-68 49.6	10.9	0.2	?	5
BV 1504 Vol	7 27 30	-65 18.6	10.4	0.4	EA?	6
BV 1505 Car	8 30 00	-56 41.7	10.9	2.7x	M	
BV 1506 Car	10 13 26	-61 13.9	11.1	2.0x	?	7
BV 1507 Vel	10 50 57	-40 51.4	11.9	1.1x	M?	8
BV 1508 Hya	12 04 41	-31 54.7	11.9	1.0	EA	9
BV 1509 Cen	14 06 14	-63 32.4	10.8	0.7	EA?	
BV 1510 Ara	16 51 19	-53 30.5	10.9	1.3x	M?	10

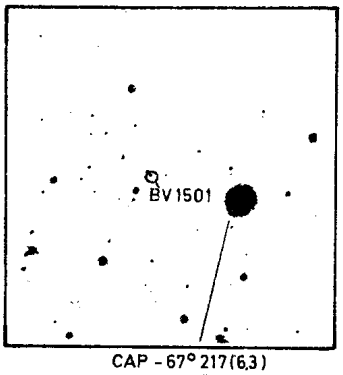
x= Amplitude till plate limit.



CoD - 32°452 (7.7)

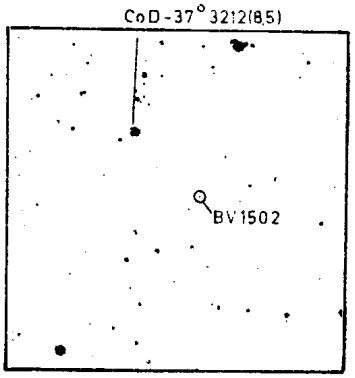


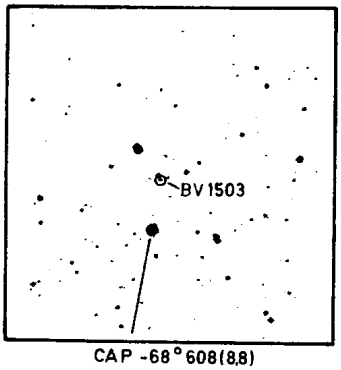
CoD - 35° 472 (7.5)



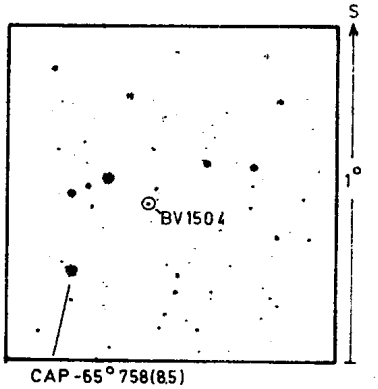
CAP - 67° 217 (6.3)

CoD - 37° 3212 (8.5)

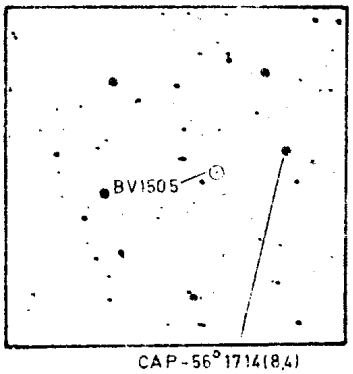




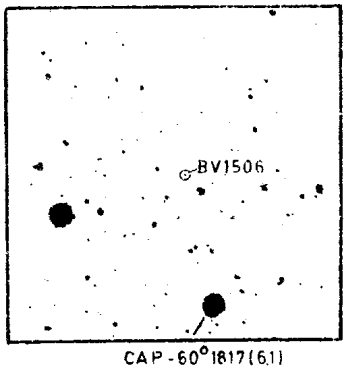
CAP - 68° 608 (8.8)



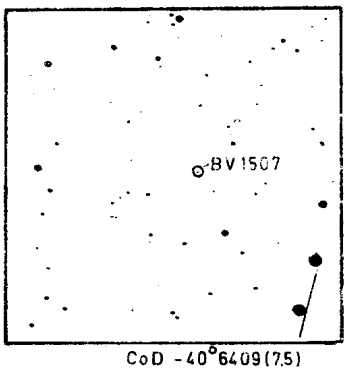
CAP - 65° 758 (8.5)



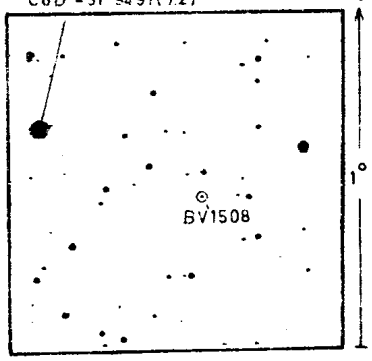
CAP-56°1714(8,4)

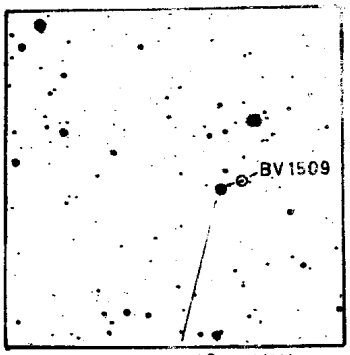


CAP-60°1817(6,1)

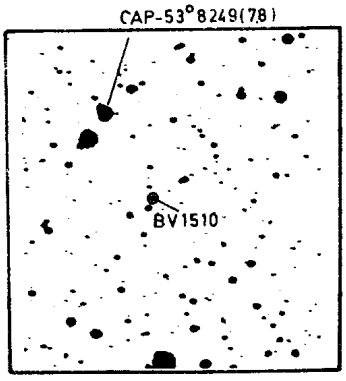


CoD -40°6409(7,5)





CAP-63°3166(8,1)



Remarks:

1 few short, bright maxima
2 few maxima, rapid variation
3 few maxima, rather difficult, maybe even RR-type
4 few good maxima
5 many maxima and minima, but more maxima, variable of an irregular type
6 few minima, not enough for a period
7 only one bright maximum, many slight, but real variations
8 bright maxima, M or SR-type
9 see notes below for BV 1508
10 probably an M-type variable

BV 1508 1900.0: $12^h04^m41^s$ $-31^\circ54'7$

Min. = JD 243 8796.562 + $1^d.7821 \cdot E$

Minima	E	O - C	Minima	E	O - C
243 8796.562	0	0.000	243 9240.322	249	+0.017
8855.367	33	-0.004	9265.268	263	+0.014
8880.322	47	+0.001	9566.433	432	+0.004
8905.262	61	-0.008	244 0355.899	875	-0.001
8914.208	66	+0.027	0632.126	1030	+0.001
9181.471	216	-0.025			

Amplitude $1^m.0$, without a secondary minimum, EA-type.

Bamberg, April 1972

F.M. SOSNA