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## COMMUNICATION FROM THE OBSERVATORY AT LEIDEN.

### New Southern Double Stars, second list, by *W. H. van den Bos*.

B.	C.P.D.	1900		$\theta$	$\rho$	mag.	spec.	Remarks
		$\alpha$	$\delta$					
287	29°4125	15 <sup>h</sup> 7 <sup>m</sup> 36 <sup>s</sup>	—29° 23'	326°	3.2"	7.9, 13.5	G5	
288	25°5573	7 58	25 49	81	1.9	6.0, 10.9	Ko	
289	25°5604	13 35	25 47	198	0.8	10.4, 13.7	Ao	
290	24°5514	22 24	24 35	33	3.6	9.7, 11.5		
291	26°5464	22 39	27 5	106	1.3	9.6, 9.9		
292	26°5469	24 23	26 56	{109 1.8 106 13.8		9.3, 12.3 9.3, 11.8	Ko	AB AC
293	23°6207	26 21	23 52	117	2.0	10.4, 14.6	A2	
294	30°4142	30 8	30 15	219	1.4	9.8, 13.3	Ko	
295	28°5148	30 38	28 31	139	1.4	9.2, 11.7	A3	
296	23°6229	31 18	23 19	25	1.0	9.6, 10.5	G5	
297	25°5635	36 51	25 49	258	7.4	10.0, 12.1	Go	
298	28°5184	38 2	28 31	90	2.0	10.5, 13.3	A3	
299	25°5693	50 12	25 31	338	3.8	9.2, 13.2	A2	
300	27°5306	50 17	27 46	325	1.8	8.9, 14.4	K2	
301	24°5605	51 14	24 58	76	0.6	8.6, 12.8	A3	
302	26°5552	51 27	26 53	143	0.6	11.2, 13.5	A3	
303	25°5720	56 6	25 21	357	1.6	10.0, 13.2		
304	28°5272	58 54	28 10	274	0.4	9.6, 12.1	A2	
305	26°5612	16 5 28	26 42	91	4.9	9.1, 13.4	F8	
306	27°5379	7 19	27 9	101	2.7	8.2, 12.8	A2	
307	24°5671	7 45	24 10	228	1.5	6.4, 10.4	B8	
308	24°5693	18 17	24 48	138	2.7	8.8, 14.0	B8	
309	24°5694	19 17	24 13	20	0.2	10.4, 10.7		
310	29°4416	19 24	29 10	208	3.8	7.6, 13.5	B8	
311	23°6376	32 30	23 56	241	4.9	8.2, 12.3	Fo	
312	23°6385	36 26	23 29	182	0.6	10.6, 11.9	F	
313 <sup>1)</sup>	23°6386	36 54	23 32	160	0.4	10.3, 10.8	A2	
314	26°5707	37 2	26 32	335	0.7	10.0, 10.2	A5	
315	30°4455	38 32	30 13	309	4.9	9.4, 13.5	K2	
316 <sup>2)</sup>	Anonyma	39 10	28 39	74	4.3	10.0, 12.0		
317	27°5475	39 38	27 41	77	1.9	9.8, 13.6	Go	
318	25°5865	44 33	25 55	151	1.5	9.0, 13.0	G5	
319	27°5501	45 9	27 51	228	1.5	8.6, 13.1	F2	

<sup>1)</sup> Not seen double on three other nights; it may be B 312, but the descriptions do not agree too well.

<sup>2)</sup> 8 sec. preceding I 992, — 28°5398.

B.	C.P.D.	1900		$\theta$	$\rho$	mag.	spec.	Remarks
		$\alpha$	$\delta$					
320	29°45'15	16 <sup>h</sup> 45 <sup>m</sup> 19 <sup>s</sup>	— 29° 59'	54°	1'3"	10.2, 10.4	F5	
321	27°55'07	47 14	27 54	56	0.2	10.7, 11.0	G5	
322	27°55'14	48 14	27 24	27	0.2	9.1, 9.2	Ao	
323	24°57'68	48 53	24 21	126	0.3	9.0, 9.4	F5	
324	26°57'77	52 18	26 12	116	2.5	9.1, 14.0	Ao	
325	24°57'81	53 45	25 1	327	6.3	9.6, 14.5	Ao	
326	27°55'52	55 0	28 0	{325	0.1	11.0, 11.3	F8	AB
				{297	1.0	10.4, 12.7		AB, C
327	23°64'58	56 53	23 12	105	0.8	11.4, 12.4	F5	
328	24°58'01	57 52	24 9	88	3.6	9.2, 12.7	Ko	
329	30°45'81	17 1 10	30 27	175	0.2	9.7, 9.2	Go	
330	29°45'90	2 58	29 46	70	0.2	8.7, 8.8	F5	
331	23°65'01	3 25	23 3	169	5.0	10.5, 12.3	Ao	
332	22°63'17	4 30	22 34	355	2.3	9.3, 12.8		
333	28°55'51	4 55	28 30	279	0.4	10.1, 10.4		
334	19°61'44	4 57	19 27	206	1.2	10.5, 10.7		
335	28°55'65	6 58	29 0	207	4.4	10.2, 15	Fo	
336	19°61'70	9 9	19 44	{230	10.0	9.3, 10.8		AB
				{163	3.6	10.8, 11.0		BC
337	29°46'29	12 0	29 46	202	0.6	7.8, 10.3	A2	
338	29°46'72	16 48	29 26	104	4.8	10.0, 14.0	Fo	
339 <sup>1)</sup>	22°63'68	18 21	22 42	155	3.5	8.6, 15	F5	AB
340	29°47'08	20 50	29 51	299	0.7	9.6, 12.1		
341	29°47'25	22 29	29 31	269	0.3	10.1, 10.4	Ao	
342	38°68'62	22 33	38 26	67	0.4	7.1, 7.4	A2	
343	22°63'77	24 2	22 52	205	2.4	9.0, 13.0	Go	
344	27°56'65	24 59	27 59	{264	1.6	9.7, 10.3	A3	AB
				{314	14.9	9.7, 14.5		AC
345	29°47'57	25 10	29 54	113	0.4	9.8, 10.2		
346	30°47'96	27 8	30 28	167	0.3	10.3, 10.7	Ao	
347	28°57'16	29 58	28 30	62	1.6	9.2, 11.0	Fo	
348	28°57'17	30 18	28 56	217	5.1	9.0, 11.5	B9	
349	29°48'15	31 42	29 3	31	2.2	10.0, 14.0		
350	24°59'21	31 53	24 53	188	0.4	10.8, 11.0	Ko	
351	23°66'25	32 16	23 9	218	0.6	9.9, 10.9	A5	
352	23°66'30	33 32	23 38	{186	51.8	9.5, 10.7	A2	AB
				{54	0.7	10.7, 11.7		BC
353	22°64'15	35 43	22 56	48	4.4	10.6, 13.1	Ko	
354	49°102'14	36 42	40 54	296	3.8	7.8, 11.3	Ko	
355	26°59'44	38 35	26 32	140	3.1	9.0, 11.8	F5	
356	29°48'69	39 29	29 28	330	3.6	9.6, 12.6	Ao	
357	28°58'50	41 18	28 31	310	5.9	9.7, 11.7	Ao	
358	22°64'45 + 4	41 49	22 9	{219	24.7	9.0, 10.0		AB
				{122	4.3	10.0, 12.5		BC
359	29°49'17 + 6	44 19	29 15	{339	45.4	8.0, 10.0	A2	AB
				{225	4.0	10.0, 13.2		BC
				{118	7.2	10.0, 13.5		BD
360	29°49'21	44 44	29 18	102	3.9	10.0, 13.5		
361	34°72'57	46 28	34 43	300	3.6	9.0, 12.0		
362	34°72'83	46 52	34 44	228	4.6	9.2, 13.0		
363	25°61'50	48 6	25 57	43	0.3	11.0, 11.4	Go	

1) AC =  $\hat{h}$  4948.

B.	C.P.D.	1900		$\theta$	$\rho$	mag.	spec.	Remarks
		$\alpha$	$\delta$					
364	29°5031	17 <sup>h</sup> 50 <sup>m</sup> 19 <sup>s</sup>	— 29° 54'	21°	4"	8.2, 15	B9	
365	25°6201	52 10	25 8	124	4.5	9.2, 12.0	K5	
366	24°6060	52 24	24 24	48	1.7	9.7, 13.2	A0	
367	22°6498	52 44	22 31	219	1.4	10.6, 12.4		
368	27°5926	52 55	27 7	81	3.4	9.7, 13.7	A5	
369	25°6218	53 8	25 58	0	0.3	11.4, 11.6	A0	
370	28°6110	53 28	28 38	73	2.0	10.2, 14.0	K0	
371	27°5970	55 19	27 40	84	6.4	9.1, 10.9	A0	
372	26°6165	56 10	26 1	35	1.0	11.0, 13.5	F8	
373	26°6171	56 33	26 17	328	5.6	10.5, 13.0	B9	
374	28°6254	58 56	28 41	174	3.2	9.3, 15.5	G0	
375	23°6808	59 4	23 17	171	0.8	10.3, 11.6	A3	
376	24°6208	59 58	24 12	100	1.8	8.1, 12.1	B9	
377	54.8718	18 2 6	54 15	4	4.1	9.8, 12.3		
378	23°6863	2 15	23 27	90	0.5	10.5, 11.0	B9	
379	26°6300	3 3	26 7	338	4.6	7.5, 13.0	G0	
380	23°6875	3 4	23 27	242	7.9	10.4, 12.2	B9	
381	26°6302	3 18	26 22	46	0.2	10.1, 10.5	A0	
382	23°6932	5 48	23 52	286	5.3	9.7, 11.6	B9	
383	25°6401	7 54	25 4	91	3.9	10.0, 14.0	B9	
384	27°6281	7 54	27 32	330	4.4	7.4, 14.0	B9	
385	28°6439	8 40	28 24	92	4.4	9.7, 13.5	K0	
386	27°6347	11 17	27 54	34	0.2	8.0, 10.5	B9	
387	26°6401	12 52	26 47	36	9.2	8.5, 9.5	A0	AB
				168	0.4	9.5, 10.2		BC
				323	4.1	9.5, 14.0		BD
388	24°6363	15 30	24 2	196	1.3	9.3, 14.3	A0	
389	25°6493	16 43	25 27	231	0.3	10.2, 10.4	G5	
390	54°8888	19 30	54 5	20	1.2	8.1, 10.6	K0	
391	26°6476	22 58	26 44	42	0.6	10.7, 10.8	G0	
392	24°6410	23 8	24 40	202	4.9	10.9, 12.4	F5	
393	23°7100	23 17	23 57	136	1.9	10.4, 11.2		
394	25°6539	24 9	25 37	149	0.2	9.3, 9.7	A0	
395	28°6596	28 28	28 42	278	1.3	10.0, 10.5		
396	26°6506	29 22	26 22	221	1.7	10.2, 11.2		
397	26°6524	33 55	26 43	191	1.4	11.0, 13.0	G0	
398	55°8807	35 5	55 52	341	0.2	8.0, 8.4	F5	
399	24°6486	35 9	24 42	49	3.4	10.4, 15	A0	
400	54°9045	36 44	54 56	142	0.4	9.9, 10.4	F5	
401	24°6500	37 33	24 36	132	0.2	10.2, 10.3	F2	
402	55°8836	37 58	55 6	280	0.4	10.0, 10.5	F0	
403	28°6661	38 41	28 20	75	2.4	9.7, 12.7		
404	28°6666	39 20	28 53	251	4.5	8.3, 14.0	A	
405	27°6516	40 1	27 27	143	0.5	8.7, 9.7	G0	
406	26°6562	42 43	26 10	131	1.6	9.6, 9.9	F8	
407	25°6615	43 31	25 45	10	0.6	10.6, 10.9		
408	54°9115	43 55	54 2	51	2.2	9.9, 10.7		
409	26°6572	44 24	26 53	257	5.2	7.2, 13.8	A2	
410	25°6620	45 4	25 6	191	0.9	9.6, 12.1	A2	
411	27°6556	48 7	27 35	41	3.9	10.8, 12.8	A5	
412	23°7303	49 15	23 49	277	1.8	11.1, 12.6	A0	
413	25°6635	49 52	25 12	252	5.3	7.4, 14.5	G0	
414	38°7650	50 58	38 10	209	4.0	9.5, 13.5		
415	26°6602	52 53	26 17	1	4.5	10.5, 10.6		

B.	C.P.D.	$\alpha$ 1900 $\delta$	$\theta$ $\rho$	mag.	spec.	Remarks
416	54 <sup>o</sup> 9221	18 <sup>h</sup> 54 <sup>m</sup> 46 <sup>s</sup> - 54 <sup>o</sup> 21'	266 <sup>o</sup> 0"	9.2 , 9.4	G0	
417	24.6563	54 51 24 48	197 8.6	9.8 , 10.4	A0	
418	27.6589	55 2 27 41	156 1.5	9.2 , 14.1	G5	
419	29.5840	55 11 29 16	69 1.3	9.8 , 10.0		
420	39.8263	55 13 39 26	127 0.5	8.8 , 9.3	G5	
421	39.8272	56 43 39 36	43 5.2	7.9 , 13.5	G5	
422	24.6583	57 44 24 5	99 5.7	8.1 , 14.5	K0	
423	27.6608+6	59 50 27 30	197 40.0 192 4.7	10.2 , 11.2 11.2 , 11.7	G5	AB BC