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BULLETIN OF THE ASTRONOMICAL INSTITUTES OF THE NETHERLANDS.

1928 August 1 Volume IV. No. 153.

COMMUNICATION FROM THE OBSERVATORY AT LEIDEN.

New Southern Double stars, sixth list, by *W. H. van den Bos.*

In the interest of speedy publication and continuity the lists of new pairs will, with the kind consent of the Union Astronomer, be in future published in the *B. A. N.*, as before *).

B.	C.P.D.	1900 α	1900 δ	θ	ρ	mag.	spec.	Remarks
	°	h m s	° ′	°	″			
927	29 5351	18 4 52	−29 39	204	6.4	7.7 , 12.5	G5	
928	36 8069	5 56	36 30	127	3.6	8.3 , 12.8	B9	
929	29 5376	6 0	29 30	280	3.5	9.5 , 14.5	B8	
930	37 7960	6 2	37 13	318	1.0	10.0 , 10.2	A5	
931	36 8071	6 11	36 53	226	3.8	10.0 , 13.0	A3	
932	37 7961	6 12	37 51	258	4.5	9.8 , 10.1		
933	33 4940	6 28	33 34	351	1.7	9.6 , 11.3		
934	37 7979	7 20	37 39	30	14.7	7.9 , 11.5	Ao	AB
				185	2.4	11.5 , 12.0		BC
935	36 8087	7 51	36 56	108	0.2	8.2 , 8.4	B9	
936	48 9733	11 24	48 2	170	0.3	10.0 , 10.2	G5	
937	33 5038	14 42	33 36	321	0.8	10.1 , 10.2		
938	48 9764	15 49	48 22	286	2.1	9.5 , 12.5		
939	30 5499	19 5	30 18	192	5.0	7.5 , 12.5	B8	λ 352 is 3′ Nf
940	33 5172	29 52	33 47	261	1.7	8.9 , 12.4	G5	
941	36 8391	31 11	36 58	228	1.6	9.0 , 12.5	A2	
942	35 8184	37 38	35 44	314	9.4	4.8 , 12.5	B3	
943	35 8198	38 38	35 35	102	0.2	9.3 , 10.2	F5	
944	33 5263	38 42	33 24	181	2.1	9.2 , 11.2	F8	
945	37 8308	38 44	37 56	43	1.2	9.2 , 10.3	Go	
946	36 8482	40 11	36 6	305	1.2	10.2 , 12.4	Fo	
947	59 7381	41 52	59 8	280	0.5	8.8 , 10.8	F8	
948	36 8512	42 33	36 13	104	0.4	10.5 , 10.9	G5	
949	37 8353	42 52	37 25	173	3.3	8.3 , 13.2	Ko	
950	35 8236	43 6	35 8	343	0.7	10.4 , 10.6	A3	
951	37 8362	44 2	37 24	29	4.6	10.0 , 10.2		
952	35 8256	44 57	35 30	71	4.6	8.3 , 12.0	Ko	
953	35 8262	45 37	35 44	99	0.4	8.1 , 9.8	F2	
954	35 8266	46 10	35 10	198	0.5	8.4 , 11.1	A5	
955	36 8585	49 40	36 0	76	0.2	10.1 , 10.5	B9	
956	34 8175	50 48	34 0	204	2.2	10.2 , 13.4	F8	
957	37 8449	54 55	37 2	138	4.1	6.9 , 13.3	Ao	
958	.....	55 12	36 28	148	4.2	10.0 , 12.5	red	Cor DM 36°13238
959	34 8232	55 19	34 57	214	1.4	8.6 , 10.7	F2	
960	30 5806	57 13	30 17	249	4.8	8.9 , 14.0	G5	

*) First list: *B. A. N.* III. 107, p. 187; second list: *B. A. N.* III. 111, p. 213; third list: *B. A. N.* III. 114, p. 229; fourth list: *B. A. N.* IV. 126, p. 45; fifth list: *B. A. N.* IV. 139, p. 109.

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B.	C.P.D.	1900 α	1900 δ	θ	ρ	mag.	spec.	Remarks
	°	h m s	° ′	°	″			
961	35 8379	18 57 30	−35 14	220	3·9	9·2 , 10·4	G5	
962	34 8268	58 15	34 30	242	4·2	8·6 , 13·7	A2	
963	36 8722	19 0 46	36 32	98	1·9	9·6 , 13·5		AB
				98	18·4	9·6 , 10·1		AC C is 36°8723
964	34 8291	1 27	34 38	168	1·6	7·8 , 12·0	K2	
965	29 5895	2 39	29 18	225	2·6	10·1 , 10·4		
966	66 3418	7 48	66 9	167	4·1	9·1 , 13·5	G5	
967	45 9667	10 7	45 36	332	6·3	8·3 , 11·8	A5	
968	59 7473	11 51	59 50	280	0·3	9·2 , 9·4	Go	
969	65 3794	15 9	65 55	72	0·5	9·3 , 10·0	A3	
970	33 5635	20 8	33 3	286	0·4	10·4 , 10·5		
971	42 8834	22 14	42 2	43	2·1	9·9 , 10·3	Go	
972	32 5957	24 3	32 2	78	0·2	10·0 , 10·0	F5	
973	58 7622	25 38	58 33	102	2·8	8·7 , 10·2	F8	
974	31 6072	26 8	31 11	198	3·1	8·8 , 12·9	Ko	
975	42 8849	26 10	42 25	21	1·0	10·7 , 11·7	Fo	
976	33 5672	27 32	33 22	54	0·5	8·3 , 12·3	Fo	
977	45 9749	28 36	45 22	59	0·4	10·0 , 11·4	Fo	
978	32 5977	29 19	32 31	35	0·6	9·4 , 9·4	Ao	
979	42 8875	31 56	42 21	193	1·1	10·3 , 10·6	Go	
980	66 3459	41 36	66 24	57	0·5	10·0 , 10·9	F2	
981	33 5731	42 51	33 13	38	1·3	7·9 , 12·6	Ko	
982	42 8922	44 9	42 5	241	2·7	10·1 , 10·6		
983	50 11238	51 10	50 50	334	1·2	10·2 , 11·3	F8	
984	42 8991	57 53	42 32	33	2·4	10·0 , 13·7		
985	66 3472	57 55	66 8	209	4·7	9·1 , 13·3	G5	
986	45 9880	20 2 0	45 9	111	2·1	9·8 , 10·9	F5	
987	32 6087	4 34	32 37	25	5·1	7·5 , 11·0	Ao	
988	64 4040	13 46	64 30	72	2·1	8·8 , 13·5	A5	
989	66 3489 *)	17 4	66 10	73	1·2	10·4 , 12·6	Go	
990	36 9142	19 9	35 57	195	2·2	8·9 , 14·5		
991	64 4058	27 12	64 32	167	3·1	8·7 , 13·5	Ko	
992	31 6313	31 44	31 43	244	1·3	8·2 , 10·6	G5	
993	33 5927	34 50	33 48	40	0·4	10·4 , 11·3		BC A, BC = λ 424
994	64 4068	35 41	64 33	186	0·7	9·5 , 10·3	Go	
995	31 6346	41 44	31 54	309	0·4	9·3 , 10·3	Fo	
996	31 6350	42 18	31 48	320	1·7	8·6 , 11·1	G5	
997	31 6359	44 34	31 38	95	0·3	8·4 , 9·7	F8	
998	36 9250	45 17	36 40	282	0·5	9·5 , 11·2		
999	34 8806	45 53	34 50	156	1·0	9·8 , 9·8	F8	
1000	33 5984	46 45	33 8	313	3·4	9·0 , 11·3		
1001	32 6244	50 6	32 9	61	0·2	9·0 , 9·5	F8	
1002	34 8819	50 20	34 3	344	0·5	9·6 , 10·0	F8	
1003	63 4624	50 27	62 57	152	0·2	8·6 , 9·1	A5	
1004	33 6027	57 43	32 55	13	2·4	9·1 , 12·1	F8	
1005	33 6068	21 7 2	33 23	125	3·2	9·0 , 12·2	Ko	
1006	37 9012	14 41	37 5	151	5·6	9·1 , 12·2	Fo	
1007	32 6375	21 18	32 44	14	0·2	9·2 , 9·5	A5	Hwe 90 is 5′ S
1008	37 9048	24 49	36 59	31	0·3	8·3 , 8·5	F8	Chief star of *h* 5275
1009	34 8945	26 12	34 23	59	6·8	6·0 , 13·3	A2	
1010	36 9445	35 43	36 2	332	4·0	8·9 , 14·8	Fo	
1011	36 9447	36 42	36 2	117	63·0	8·1 , 11·2	Ko	AB
				235	1·3	11·2 , 11·7		BC

*) The middle of 3 stars, the preceding also a Go, the following and brighter a K2; only 1 in the CPD.

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B.	C.P.D.	1900 α	1900 δ	θ	ρ	mag.	spec.	Remarks
	°	h m s	° ′	°	″			
1012	34 8995	21 38 54	−34 44	233	3·9	8·9 , 11·1	Go	
1013	36 9479	43 11	36 6	132	0·2	8·3 , 8·7	F8	
1014	31 6606	50 48	31 52	145	2·8	7·7 , 12·5	Ao	
1015	33 6225	22 4 9	33 2	35	1·3	9·8 , 10·6		
1016	36 9557	12 29	36 0	169	3·6	9·1 , 12·3	G5	
1017	36 9573	18 24	35 54	96	0·9	9·4 , 9·9	F8	
1018	22 8311	56 40	22 23	24	6·0	9·4 , 11·1	Go	
1019	57 10314	23 34 30	57 51	203	0·4	9·5 , 10·9	K5	
1020	58 8097	40 11	58 50	205	0·3	7·8 , 8·3	A3	
1021	56 10162	44 42	56 50	84	4·5	9·6 , 13·2	G5	
1022	57 10407	57 22	57 27	128	2·9	9·7 , 12·5	Go	
1023	33 18	0 7 28	32 52	95	0·4	9·6 , 11·1	F8	
1024	32 29	9 50	32 42	143	0·2	8·6 , 8·7	F5	
1025	33 33	15 16	33 19	165	0·4	8·6 . 10·1	G5	
1026	33 36	16 34	33 37	201	3·2	10·0 , 11·1	K2	A, BC
				277	0·4	11·5 , 12·4		BC
1027	58 58	53 49	58 14	65	0·8	7·6 , 10·8	F8	
1028	20 148	1 1 35	20 35	157	0·4	10·2 , 10·6	F8	
1029	58 80	5 31	58 50	158	4·6	8·7 , 13·5	Go	
1030	20 181	18 36	20 7	274	3·4	9·3 , 13·0	F8	
1031	32 302	2 44 54	32 50	65	4·5	4·5 , 13·8	Ko	
1032	33 291	47 53	33 2	147	2·0	10·3 , 10·4	Go	
1033	32 339	3 5 23	32 45	321	0·6	9·5 , 10·1		
1034	37 400	39 8	37 38	15	5·3	4·6 , 12·0	K2	
1035	36 498	4 10 41	36 55	10	2·0	10·0 , 12·3		
1036	37 496	13 23	37 00	126	0·8	9·9 , 10·7	Go	
1037	37 605	58 27	37 11	210	0·6	8·9 , 12·2	Go	
1038	36 692	5 15 56	36 51	45	4·6	8·0 , 13·7	G5	
1039	37 697	26 21	37 30	192	0·4	9·9 , 10·7		
1040	37 718	30 4	37 37	236	4·5	8·9 , 11·4	G5	
1041	37 726	32 49	37 58	144	1·2	9·5 , 13·3		
1042	37 763	42 29	37 5	190	0·5	8·8 , 11·3	Go	
1043	37 764	42 42	37 53	204	0·4	9·6 , 11·4	G5	
1044	37 825	56 28	37 4	329	10·7	8·7 , 12·0	Go	AB
				266	4·0	12·0 , 12·7		BC
1045	37 830	57 37	37 4	192	0·9	7·2 , 9·7	G5	
1046	29 1251	6 19 38	29 49	26	1·5	7·0 , 12·2	Ko	
1047	37 1000	35 52	37 2	311	4·8	8·7 , 14·0	Ko	
1048	29 1426	41 59	29 14	71	1·4	10·4 , 14·7		primary of *h* 2340
1049	29 1429	42 12	29 9	45	1·6	9·3 , 14·3	G5	
1050	36 1086	49 40	36 54	349	3·1	8·9 , 10·4	G5	
1051	36 1109	55 7	36 41	140	0·4	8·8 , 8·8	Ao	
1052	36 1118	57 20	36 32	130	0·6	9·8 , 11·8	Go	
1053	50 1129	59 35	50 17	216	2·4	7·7 , 12·5	Ao	
1054	28 1685	7 1 42	28 24	350	5·0	9·8 , 12·0	Ao	
1055	39 1336	13 14	39 25	235	0·2	9·9 , 10·3	A2	
1056	28 1879	14 3	28 28	73	2·7	10·0 , 10·0		
1057	40 1431	16 39	40 19	159	0·4	9·0 , 11·5	B9	
1058	28 1930	17 27	28 34	264	3·8	9·5 , 14·0		
1059	28 1935	17 48	28 30	88	1·4	9·5 , 10·7		
1060	40 1442	19 37	40 32	237	0·4	9·2 , 9·5	F5	
1061	28 2053	23 49	28 10	272	1·8	6·8 , 11·0	B5	
1062	28 2066	24 26	28 53	229	1·5	8·5 , 13·3	A3	
1063	28 2098	25 32	28 32	316	1·7	9·3 , 15·0	Ao	
1064	28 2106	26 10	28 25	33	0·3	10·0 , 10·2		

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B.	C.P.D.	1900 α	1900 δ	θ	ρ	mag.	spec.	Remarks
	°	h m s	° ′	°	″			
1065	40 1535	7 29 8	−40 29	12	0.7	9.7 , 11.7	A0	
1066	28 2170	29 24	28 30	75	0.3	9.3 , 9.6	B9	
1067	19 2365	30 36	19 27	16	2.3	8.8 , 11.8	A2	
1068	19 2376	31 25	19 34	342	1.6	9.2 , 11.4	B3	
1069	28 2245	33 12	28 14	44	0.6	10.3 , 10.3	A0	
1070	28 2263	34 11	28 35	88	0.4	11.1 , 11.9	B9	HD mag. too faint
1071	28 2333	38 0	28 7	9	3.4	10.8 , 13.3	A0	
1072	28 2356	39 9	28 50	342	2.5	10.0 , 12.0		
1073	28 2390	40 56	28 30	228	2.3	9.6 , 12.1		
1074	28 2393	41 3	28 40	3	0.6	10.0 , 10.0	F2	
1075	21 2743	42 24	21 19	346	1.0	9.9 , 12.4	A0	
1076	21 2747	42 44	21 5	6	1.8	9.5 , 12.0	F8	
1077	19 2686	43 34	19 9	278	0.3	8.1 , 9.0	A2	
1078	28 2438	45 24	28 28	326	3.9	10.8 , 13.5	B9	
1079	21 2817	45 31	21 33	67	1.5	9.5 , 12.5	A0	
1080	28 2450	45 54	28 47	176	4.2	10.8 , 13.0	B9	
1081	39 1766	47 14	40 2	229	1.3	10.0 , 10.2		
1082	19 2765	47 16	19 5	87	0.5	9.2 , 11.2		
1083	49 1408	51 7	49 50	237	1.1	9.1 , 11.1		
1084	39 1887	53 54	39 14	226	3.7	9.5 , 11.5	A2	
1085	42 1887	54 56	43 2	109	2.1	8.8 , 12.8	K0	
1086	28 2716	58 11	28 18	134	3.4	10.0 , 10.1		I 784, a similar pair, is 13′ S.
1087	20 3305	58 42	20 50	340	0.7	9.5 , 11.7	A0	

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