







OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL DE LA PLATA

DIRECTOR: PROF. DR. REYNALDO PEDRO CESCO

SERIE ASTRONOMICA - Tomo XXXVII

CATALOGUE AND BIBLIOGRAPHY OF B TYPE EMISSION LINE STARS

by

Carlos Jaschek,
Lía Ferrer and Mercedes Jaschek



31.5.72



LA PLATA

1971

UNIVERSIDAD NACIONAL DE LA PLATA

Dr. ROQUE GATTI
Presidente

Dr. GUILLERMO GALLO
Vicepresidente

Dr. JORGE SUÑOL
Secretario de Asuntos Académicos

Cont. PEDRO C. CORONA
Secretario de Supervisión Administrativo

Dr. HERBERTO PRIETO DIAZ
Guardasello

CATALOGUE AND BIBLIOGRAPHY OF B TYPE EMISSION LINE STARS
CARLOS JASCHEK, LIA FERRER AND MERCEDES JASCHEK

The need for a continuation of Merrill and Burwell's "Catalogue and bibliography of stars of classes B and A whose spectra have bright hydrogen lines" has been expressed several times by astronomers interested in studies of Be stars. During the twelfth I.A.U. meeting at Hamburg, this need was discussed and we accepted the task of bringing the bibliography up to date. Due to the pressure of other work, this undertaking suffered several delays and it has been finished only now.

Although the purpose of the present work is mainly to provide an extension of Merrill and Burwell's catalogue (MB), several problems came up and imposed a revision of certain aspects of MB's catalogue. A first problem is connected with the delimitation of the objects to be included in the catalogue and a second problem concerns the extent of the bibliography to be searched. In what follows we will explain what was done with regard to both points.

LIMITS OF THE CATALOGUE

In MB's catalogue all objects with spectral type later than B0 were included. On the cooler side, the limit was not so strictly defined and as a result a number of very peculiar objects like eta Carina and epsilon Sagittarii were also listed, although they differ considerably from the common Be stars which constitute the bulk of the catalogue.

In recent years a number of faint H-alpha emission line objects were added to this list, for which the spectral type is unknown. It may thus be doubted if these objects should be included in the catalogue. On the other hand many of them are probably Be stars and one should not reject them. For many emission line objects the situation is further complicated by the fact that no coordinates are provided by the discoverer, but only a position on a chart. It is difficult to list these objects, except if they lie in special fields.

As a consequence of these considerations we have redefined the limits of our catalogue in such a way as to include only objects for which an accurate position is known. If a spectral type exists, it has to lie between B0 and B9. Objects not fulfilling these conditions, even if listed formerly by MB, were rejected.

It is obvious that even so the limits are blurred because very often classifiers differ in assigning a B9 or A0 type or an O9.5 and B0 type. It is thus impossible to be definitive with regard to the membership of a star in the Be group. The solution of this problem (and of many others) can only be achieved through the creation of data centers where the information concerning all stars is accumulated, regardless its magnitude or spectral type.

BIBLIOGRAPHY

It is a postulate that in information problems completeness can never be achieved. The basic question is rather how to achieve the maximum coverage with a reasonable amount of work. With regard to coverage we have tried to search thoroughly all the current scientific astronomical literature, with three exceptions—books, amateur magazines and progress reports. With regard to the books it seems impossible, and also pointless, to include all mentions of a stars (like 48 Lib) made in text books. Therefore we listed the source only if we felt that the book provides something new. With regard to amateur magazines, the same policy was applied, but a few bits of information may have been missed this way.

Progress reports also are difficult to evaluate. Sometimes they refer to matters published later in detail and then they are non-essential, but sometimes they are the only reference to work never published, in which case obviously they are important. We have examined each case individually.

An additional complication arises in the case of stars in which emission was discovered only years after the star was mentioned in the astronomical literature. In this case, only the references after the discovery are provided, because an additional revision of the literature prior to the discovery would represent a disproportionate task.

In a few instances in which the original sources were unavailable, we took the quotations from the "Astronomischer Jahresbericht".

Several colleagues have been extremely helpful in providing us with bibliography; we wish to express our thanks to Drs. A. Behr, W.P. Bidelman, W. Buscombe, R. Herman, P.E. Hill and Th. Schmidt-Kaler. Our thanks are also due to M.F. McCarthy S.J. and L. Wackerling who have kept us informed about their work.

DESCRIPTION OF THE CATALOGUE

The catalogue is divided in three parts. Section I is the main catalogue; section II gives Be stars in clusters, associations or special regions and section III contains the bibliographic references. In what follows we describe the content of the different sections.

SECTION I. Main catalogue.

This section extends from page 1 to page 43. The explanation of the different columns is as follows:

1. HD or HDE number, from Harvard Annals volumes 91-99, 100, 105 and 112.
2. Name. Other identification numbers are provided here:

BD = Bonner Durchmusterung

CD = Córdoba Durchmusterung

HD	Name	MWC	R.A.	D.	n	Sp.t.	Bibliography		
144	10 Cas	2	0h						
			01.1	+61 58		B1.5e III ⁴	19-266-267-946		
			01.2	+63 37	9.5	B8IIIe	112-157-161-190-215-624-702-903-1081		
			01.5	+65 01	11.5	Be	958		
			01.6	+60 04	9.5	B0ne	19-260-267-293-939-946		
			02.3	+62 31	9.7	Be	19-140-176-266-267-946		
			04.1	+62 14		pB a e	360		
			04.3	+57 40		B a e	360		
			05.5	+62 37	9.2	B5V	747		
			06.3	+57 39	7.1	B8se a	67-112-161-204-432-742-903-1081-1114		
698	BD+57°28	M 1							
			07.6	+65 45	10.0	Be	747-759-958		
		M 2	09.5	+62 14		OB1e	260		
			12.1	+64 43	12.1	Be	958		
		418	12.1	+57 20	9.4	B3ne			
			14.8	+61 54	8.9	B0e	266-946		
		5	15.0	+61 50		B2p(e?)	267-946		
			21.0	+63 52	9.0	B0e	19-260-266-719-939-946		
		669	22.7	+55 51		B1.5:V:nne	19-260-266-267-939-946		
			23.2	+62 31		B0(V)p(e)	19-946		
232207	2789	670	25.5	+55 06	9.2	B3e			
		6	26.3	+66 36	8.2	B2ne	266-373-719-751-835-1056		
2905	15 kappa Cas		26.5	+62 39	10.9	OBce(1e)	260		
		7	27.3	+62 23	4.2	B0se a	44-61-64-97-98-99-102-112-157-161-222-223-282-300-312-437-498-509-511-517-520-566-598-634-653-741-815-835-1010-1026		
232214	BD+61°122	671	27.7	+51 07	9.0	B8e			
		672	29.2	+61 54	10.0	B2pe(V)	19-260-266-267-946		
		M 3	29.7	+68 09	10.5	Be	747-759		
			30.9	+59 42	10.8	OBce, 1e	260		
			31.1	+59 08	11.7	OBce(1e)	260		
		3369	29 pi And		31.5	+33 10		Be	67-94-99-161-432-788-807-834
				673	32.8	+52 48	9.1	B8e	
		BD+52°131		33.7	+63 08	11.7	OB(1e)	260	
			674	36.4	+63 30	10.0	Be	19-244-266-267-946	
		BD+61°154		419	37.5	+61 22	9.5	Beq	266-451-717-950
			38.3	+63 55		Elp(e)(V)	19-244-266-267-946		
M 4			38.7	+63 21	10.0	Elpe(IV-V)	19-244-266-267-747		
	M 5		39.0	+63 14		Be	747-759		
4180	22 o Cas	8	39.2	+47 44	4.7	B4ne b	19-61-94-112-115-157-215-267-285-294-332-437-505-506-511-513-520-598-624-656-719-757-815-835-898-1051-1081-1102-1113-1114		
			40.0	-72 56		B6Ie	19-584		
		M 6	40.5	+61 05	10.0	Be	747-759		
			M 7	40.9	+64 47	10.4		747	
		BD+65°91	676	41.6	+66 13	8.7	B8e		
				41.6	+64 22	12.9	OB(ce, 1e)	260	
		677	43.4	+63 19	10.4	B2Vpe	19-244-266-267-349-492-946		
				43.9	+64 13	12.8		349	
		678	43.9	+60 27	9.0	B2Vpne	19-260-266-267-492-939-946		
		BD+60°114	679	44.3	+60 22	9.4	B2III:oe	19-260-266-267-492-753-939-946	
BD+69 48	680	45.0	+69 38	9.4	B5e				
		45.7	+62 23	13.3		349			
		45.9	+62 11	13.0		349			
		46.1	+63 27	13.0		349			
681			47.8	+60 18	10.0	B0e	144-492		
			49.6	-73 11		B6e	50		
5251			50.7	+60 11	2.2	B0ne	19-31-32-33-34-42-48-49-53-58-64-89-90-97-100-104-105-112-115-137-147-157-222-223-224-235-241-244-258-260-266-298-332-334-335-336-338-343-361-375-378-439-488-492-493-494-496-498-500-501-504-506-520-546-554-558-560-563-578-580-		
5394	BD+59°144	9	50.7	+60 11	2.2	B0ne			

HD	Name	MWC	R.A. On	D.	m	Sp.t.	Bibliography
							624-633-635-642-647-682-693-699-710-717-719-724-728-748-757-759-766-815-817-818-835-844-874-881-898-906-917-939-959-972-980-990-1054-1072-1079-1081-1099-1105-1108-1111-1114
		M 9	51.8	+61 21	10.5	B1pe	19-260-266-267-349-350-747-759-946
	BD+66°83	682	53.9	+66 46	9.3	Be	
	BD+63°124		55.0	+63 24	11.5	OBlē	260
			55.3	+62 55	12.1		349
		M 10	58.0	+63 11	10.5		349-747
	EX And		58.9	+40 46	10.3	sdBe	83-1095
6343	BD+65°129	10	59.4	+65 26	7.1	B5e	60-61-112-492-598-624-693-835-1051-1081
			1h				
			01.0	+63 50	13.2		349
6744		M 11	03.1	+64 30	8.9		747
6811	42 phi And	420	03.7	+46 42	4.3	B8e	64-112-161-157-215-241-498-520-624-793-903-1081
6884	CPD-73°64		04.2	-73 00	10.8	B8Ie	19-50-601-603
			05.0	+60 33	13.0		349
		685	05.6	+48 45	10.5	Be	
		421	05.8	+61 47	11.1	B0e	154-492-745-1081
	BD+60°180	11	05.9	+60 47	9.4	B0: :pe	19-260-266-267-492-516-939-946
		M 12	06.5	+64 27	12.0		349-747
			06.6	+62 13	13.3		349
		422	08.4	+61 25	11.2	B0e	441-492-745-1081
		M 13	08.7	+60 28	10.5		349-747
		M 14	09.7	+58 37	10.0		349-747-751
7636	BD+56°240	12	11.2	+57 07	7.6	B2ne	81-82-161-266-267-492-594-605-624-693-719-751-835-892-1056-1081
236689	BD+57°240		12.3	+57 51	10.6	B1.5(V)pe	19-158-260-266-267-939-946
	BD+57°243	423	12.5	+57 41	9.8	B0: IV: e	19-94-244-260-266-267-693-939-946-953-1081
			12.6	+63 50	13.4		349
	BD+57°251	M 15	13.2	+57 44	10.0	B1IV	747-759
7902		424	13.6	+57 40	7.9	cB5e a	161-453-492
	BD+56°251	686	14.5	+56 55	10.0	Be	492
		M 16	16.0	+61 00	10.2	B3e	349-350-747-759
			16.3	+60 59	10.8	Bpe	19-266-267-946
	BD+56°259	687	16.6	+57 07	10.0	B3e	492
	BD+57°273	M 17	16.9	+57 33	12.0		747
	BD+62°245	M 18	17.7	+62 18	10.0	B1: pe(V)	19-266-267-349-516-747-759-946
		M 19	17.7	+58 19	11.0	Be	349-747-759
	BD+59°246	M 20	18.0	+59 46	9.3	Be	747-759
			18.1	+61 19	13.5		349
			18.5	+60 37	12.7		349
			19.2	+60 41	14.0		349
		M 21	19.6	+60 30	12.0		349-350-747
			20.3	+62 31	13.5		349
236737	BD+56°276	688	20.7	+57 12	8.2	B3e	492
	BD+59°250	425	20.8	+59 36	9.5	B0e	492
		M 22	22.2	+60 32	11.0		349-747
			22.4	+60 29	13.3		349
	BD+55°334	689	22.4	+55 50	10.0	B2e	
	BD+58°247	690	23.0	+58 35	10.0	B3e	492
		M 23	24.4	+62 06	11.0		349-747
		691	24.4	+61 51	10.0	Be	492
		M 24	24.5	+61 50	12.0		349-350-747
9105	BD+62°259	13	24.6	+62 51	7.5	B3Ia	60-61-139-152-161-492-598-682-741-742-751-752-835-946-1081
			25.3	+60 03	11.3		349
			26.6	+60 07	12.5		349

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
9311			26.6	+60 10	7.3	B5	570-720
			26.9	+60 38	13.6		349
			26.9	+60 08	12.2		349
		M 25	26.9	+58 59	11.0		349-747
			27.1	+60 11	12.1		349
		M 26	27.2	+61 23	11.0		349-350-747
			27.4	+61 53	13.2	OBe	350
		M 27	27.9	+63 46	11.5	Be	349-350-747-759
		14	27.9	+63 07	8.2	B8V	
		M 28	28.5	+60 52	11.5		349-747
		M 29	28.8	+60 50	11.0		349-747
		M 30	29.0	+60 46	10.0		349-747
236794	BD+60°274		692	29.0	+58 02	9.1	B3e
	AX Per		411	30.0	+53 45	11.0	
9709			426	30.0	+46 36	7.0	B8ne
		M 31	30.2	+66 31	11.0		107-167-168-526-534-1070-1119
	BD+61°302		693	30.9	+62 03	9.4	B3e
		M 32	31.0	+61 34	11.0		54-58-112-216-432-624-903-1081
		M 33	31.1	+63 21	12.0		747
			31.3	+61 57	12.4		492
		M 34	31.4	+62 11			349-747
			31.6	+62 36	13.2		349
		15	32.2	+62 57	8.6	B8e	
		M 35	32.8	+62 34	12.0		349-747
			33.8	+60 40	13.2		349
10144			34.0	-57 44		B5Ve	624
			34.1	+62 08	12.4		349
	BD+60°307	694	34.9	+60 49	10.0	Be	492
	BD+62°292	M 37	35.0	+63 06	9.4	B1:pe	19-244-266-267-349-350-516-747-759-946
	BD+62°294	695	35.4	+62 46	9.2	B0e	260-492
	AZ Cas	427	35.5	+60 55	11.0	Be	260
	BD+58°277	696	35.5	+59 52	10.0	Be	
	BD+63°225	697	35.8	+63 53	8.6	Be	492
			35.9	+61 19	12.6	OBe	350
			36.8	+60 50	12.9		349
			37.0	+59 41	12.4		349
			37.1	+61 23	14.0		349
10516	BD+49°444	M 38	37.3	+62 18	10.5		349-747
		16	37.4	+50 11	4.2	B0ne	19-30-64-83-91-97-107-112-115-124-156-157-161-163-196-204-228-230-241-247-266-275-312-335-336-361-375-378-428-437-439-498-506-519-520-532-554-570-578-624-682-712-719-722-724-728-757-811-817-818-835-839-844-874-898-904-917-927-932-959-980-985-1035-1081-1108-1111
			37.7	+58 35	12.9		349
		M 39	37.8	+65 07	10.5	Be	747-759
			37.8	+60 11	13.3		349
		M 40	37.9	+63 54	12.0		747
	BD+62°300	M 41	38.1	+62 22	9.4	B1V: pne	19-266-267-349-350-516-747-759-946
	BD+60°325	428	38.4	+60 37	9.5	B2e	492
			38.5	+60 28	12.0		349
			38.6	+59 08	11.5		349
			38.7	+60 42	14.0		349
			38.7	+60 38	12.8		349
			38.9	+60 39	12.6		349
	BD+60°332A	698	39.1	+60 43	10.0	Be	492
			39.1	+60 41	12.6		349
			39.1	+58 44	13.9		349
236862		699	39.1	+57 13	8.9	B8e	
			39.4	+60 44	12.9		349
	BD+60°341	M 42	39.5	+60 38	10.0	Be	747-759

HD	Name	MWC	R.A. lh	D.	m	Sp.t.	Bibliography
	HD+60° 340	700	39.5	+60 40	10.0	B _e	492
	HD+60° 343	M 43	39.6	+60 46	9.1	B _e	19-747-759
			39.6	+60 43	13.9		349
			39.8	+60 44	12.8		349
		M 44	39.8	+58 03	11.0		349-350-747
			39.9	+60 46	11.3		349
			40.1	+60 33	12.2		349
			40.3	+60 52	12.2	OBe	350
			40.6	+60 09	12.2		349
			40.7	+60 39	12.1		349
			40.7	+59 03	11.8		349
		17	40.8	+60 12	12.2		
			40.9	+60 48	13.6		349
			41.4	+60 47	11.6	OBe	350
			41.7	+60 01	12.2		349
			42.0	+59 21	12.4		349
232534	HD+50° 360	429	42.2	+50 38	9.2	B2 _e	247-266-719-745
			42.3	+62 38	12.8		349
	HD+60° 358	18	42.7	+60 33	9.0	B3 _{ne}	266-492
			42.7	+58 27	12.9		349
	HD+59° 330	M 45	43.2	+59 41	10.0		349-747
			43.7	+60 45	13.6		349
	HD+59° 334		44.2	+59 56	10.6	OB(1 _e)	260
	HD+60° 365		44.4	+60 35	10.9		588
			45.4	+60 35	13.3		349
232552	HD+54° 398	19	45.9	+54 50	7.6	B2 _{ne}	19-153-156-163-247-260-266-267-719-835-939-946
	HD+59° 343	701	46.9	+60 03	10.2	B _e	492
			47.0	+58 26	11.4	OBe, 1 _e	260
			47.1	+61 12	12.6		349
		M 46	47.1	+59 22	12.0		349-747
		M 47	47.5	+59 37	12.0		349-747
			48.1	+61 55	14.0		349
11554	HD+57° 425	20	48.4	+57 24	9.2	B1V _{pe}	19-260-266-267-492-939-946
		430	48.6	+60 37	10.5	B0 _e	350-492
11606	HD+58° 331	21	48.8	+58 47	7.0	B2V _{ne}	112-266-267-370-373-524-594-598-605-693-719-724-835-1056-1081
	HD+61° 353	M 48	48.9	+61 45	9.3	B8 _e	349-747-759
			49.0	+61 29	12.2		349
			49.4	+62 48	12.8		349
	HD+55° 441	431	49.4	+56 04	9.4	B2 _e	19-260-266-267-484-939-946
			49.7	+58 52	11.5		349
	HD+62° 261	22	50.1	+63 33	9.1	B _{pnne}	19-260-266-267-492-516-939-946
		432	50.1	+57 11	10.0	B0 _e	492
			50.9	+62 20	12.8		349
	HD+60° 393	M 49	50.9	+61 05	11.0	B2 _{pe}	19-260-266-267-349-350-516-704-747-759-946
			51.7	+60 08	10.2	B1 _{pe} (V)	19-266-267-492-946
236917		434	52.3	+55 39	9.3	B4V _{ne a}	693-745-1081
			52.9	+61 06	13.0		349
			54.0	+61 00	14.0		349
		M 50	54.4	+59 52	10.5		349-747
		M 51	55.3	+59 09	11.0		349-747
12302	HD+58° 356	23	55.6	+59 12	8.2	B1:e(III-V)	19-43-60-61-81-82-156-158-260-266-267-492-516-594-693-719-797-835-929-939-946-1051-1081
			55.9	+60 41	12.7	OBe	350
	HD+61° 370		56.4	+61 35	10.8	OBe _{1e}	260
	HD+61° 371	M 52	56.9	+61 55	10.5	B3:II:pe	19-245-349-350-747-759-946
236935	HD+57° 469	24	57.2	+58 00	9.1	B1:V:ne	19-260-266-267-484-508-939-946
236940		435	58.0	+55 47	9.0	B0 _{ne}	929
		M 53	58.7	+62 53	10.2	B0.5:pe	19-176-266-267-349-350-747-946
			59.0	+62 52	10.3	B _{pe}	19-244-266-267-946

HD	Name	MWC	R.A. 2h	D.	m	Sp. t.	Bibliography
12856	BD+57°485	M 54	00.3	+57 26	9.4		747
	BD+56°429	25	00.9	+56 38	8.4	B0pe	19-47-81-82-153-156-163-244-260- 266-267-364-375-378-484-508-573- 812-835-911-929-939-946-952-955- 1081
12882		26	01.1	+64 33	7.5	B2ne	354-835-946
13051	BD+55°521	702	02.1	+55 43	9.8	B5e	929
		27	02.6	+56 31	8.0	B0ne	81-82-244-254-266-267-573-835- 1081
13256	BD+63°300	703	03.0	+63 36	9.4	Bpe	19-266-267-939-946
		704	03.2	+63 10	13.0	Be	
		705	04.5	+60 14	8.8	B3e	19-946
		437	04.5	+57 27	10.5	B0ne	140-176-484
13267	BD+56°438 BD+57°515		04.6	+57 11	6.4	B5Ia	682-706-898-946-952-955
		28	05.7	+57 13	9.3	B1:pe	244-260-266-267-484-508-929-939- 946
13429		438	05.8	+60 17	10.0	Be	
		439	06.2	+54 39	9.0	B5ne	
13590		706	07.6	+63 34	8.0	B5e	19-759-835
13661	BD+53°486		07.8	+59 23	13.9		349
		29	08.1	+54 04	8.6	B2IV,Ve	60-61-484-693-929-1051-1081
		707	08.2	+55 20	8.5	B2:Vne	81-82-266-719-1056
		30	09.0	+56 32	11.4	Be	905
13669			09.1	+60 42	11.9	OB1e	260
		440	09.4	+59 19	10.0	B3e	
13854	HR 654	31	09.9	+56 36	6.4	B1Iab	112-152-161-216-285-333-451-453- 573-598-835-905-946-1081
13867	BD+56°473 BD+49°614	441	10.0	+56 40	8.7	B3e	19-573-905
		442	10.0	+49 22	7.5	B8e	19-161-747-797-903
13890	BD+56°478	M 55	10.2	+58 33	10.0		260-349-350-747
		443	10.2	+56 19	8.9	B1III:pe	19-149-244-264-266-267-364-484- 594-812-905-939-946-952-955-956 176-747
13900	BD+56°484	M 56	10.3	+64 07	10.0		905
			10.3	+56 26	9.0	B5e	19-264-266-267-907-946
			10.4	+58 32		Bpe	19-244-264-266-267-484-508-891- 905-929-939-946
		444	10.7	+56 26	9.1	B0:V:ne	350
BD+56°493			11.0	+56 24	12.3	OBe	19-244-264-266-267-349-484-508- 891-905-939-946
			11.3	+56 24	9.3	B1V:pe:	349
14134	BD+56°511	M 57	11.7	+59 23	13.4		176-747-1045
			11.8	+56 37	8.8		349
			12.0	+59 42	12.2		349
		32	12.1	+56 40	6.7	B3Ia	216-285-598-835-898-946-952-1081
14143	BD+56°530 BD+59°465		12.1	+56 35	13.3		349
			12.2	+56 43	6.7	B2Ia	333-451-453-654-706-898-946-952
BD+56°534		708	12.4	+60 11	10.0	Be	
			12.4	+56 40	11.3		349
	33	12.4	+56 37	10.1	Bne	929	
		13.1	+57 52	12.2		349	
BD+56°548		709	13.2	+70 29	9.4	B3e	
			13.3	+59 49	12.0		349
BD+55°589		445	13.6	+56 51	9.2	B2e	905-929
			13.7	+59 49	14.0		349
BD+56°559		446	13.9	+55 56	9.5	B2ne	484-929
			14.2	+59 58	14.0		349
	34	14.2	+56 51	10.7	Be	929	
	35	14.3	-03 26	10.0	Bep	147-333	
14422	BD+56°565		14.4	+56 44	13.0		349
			14.6	+56 43	12.0		349
		37	14.7	+56 56	9.4	B0IV:pe	19-244-264-266-267-364-375-378- 484-508-573-594-719-812-891-905- 929-939-946-952-955-956-1081
		36	14.7	+56 40	9.6	B1IIIe	896-929
BD+56°566	38	14.8	+56 42	10.1	B2V:e	896-929	

HD	Name	MWC	R.A. 2h	D.	m	Sp. t.	Bibliography
			15.0	+56 43	10.6	B4e	
	BD+56°573	40	15.0	+56 38	9.9	B2III,IV:e	896-929
	BD+56°579	710	15.2	+57 11	9.5	B8ne	929
	BD+56°578		15.2	+56 40	9.3	B2IIIe	896-929
		41	15.3	+56 50	10.2	B3e	266
	BD+56°589		15.6	+57 03		B1IIIe	905
		711	15.7	+56 45	10.5	B1ne	484-929
		447	15.7	+56 30	10.3	B2III::e	484-929
			16.1	+56 41	10.5		349
	BD+58°458	42	16.2	+58 31	9.4	B1pe	19-244-266-267-484-508-929-946
			16.2	+58 03	13.4		349
		43	16.2	+57 04	10.6	B0:e	905-929
			16.3	+56 56		B1.5Vne	349
		448	16.3	+56 51	10.0	B0ne	484-905-929
			16.4	+61 55	14.9		349
			16.4	+56 56	11.6		349
14605	BD+55°605	44	16.5	+56 08	9.7	B0.5Vpe	19-158-244-260-266-267-484-508-693-905-929-939-946-1081
			17.2	+57 42	13.3		349
		712	17.5	+56 33	10.0	B3e	
		449	17.6	+56 55	10.0	B1ne	484-905-929
14818	10 Per	45	18.2	+56 10	6.2	B2Ia	112-333-451-453-598-654-706-835-898-905-946-952-1081
	BD+56°612	713	18.6	+56 52	9.6	B1IV,V:e	484-929
14850			18.6	-30 05		B8Ve	613
		450	18.7	+60 20	11.0	Be	
		714	18.8	+58 26	10.0	B0e	260-484
	BD+56°624	46	19.6	+56 39	9.3	B3IIIe	266-484-905-929
			19.9	+56 52	12.2		349
		M 59	21.9	+61 03	10.0		176-349-747
		715	22.0	+58 09	9.5	B5e	
15238		47	22.2	+60 13	8.4	B3V	797
15239			22.2	+60 12	8.2	B5Ve	797
	BD+59°497		22.4	+59 24	11.0	OB(ce,le)	260
		M 60	22.6	+55 50	10.5		349-747
		M 61	22.9	+56 52	11.0		349-747
			23.0	+57 06	12.2		349
		716	23.7	+60 28	11.0	B3e	
			23.8	+56 48	14.0		349
15450	BD+56°642	48	24.2	+56 27	8.7	B2:pe	19-266-267-484-508-929-946-1081
15472	BD+70°182	49	24.4	+70 30	8.0	B4ne	60-61-82-432-693-719-769-835-1051-1081
			24.6	+60 56	11.0	Be	
			25.9	+57 53	12.8		349
		M 63	25.9	+57 06	10.5		349-747
236970		451	26.2	+55 53	8.7	Be	929
		51	26.3	+60 33	9.0	B9e a	
		M 64	26.4	+57 07	11.0		349-747
		52	27.5	+59 00	11.2	Be	140-266
	BD+59°516	53	28.4	+60 10	9.5	Be	354
	BD+58°492	54	29.3	+58 56	9.5	Be	260-354-929
		M 65	29.7	+57 31	10.0		349-747
			30.1	+59 51	13.6		349
	BD+60°523	718	30.2	+60 36	10.0	B0e	354
			30.8	+57 02	13.0		349
			30.9	+54 44			357
	BD+57°607	55	32.8	+57 21	9.5	Be	929
		M 66	32.9	+56 41	10.5		349-747
			33.1	+58 57	12.2		349
		M 67	33.8	+61 53	11.0		747
			34.2	+57 11	12.8		349
		56	35.0	+60 50	11.6	Bep	140-260
			35.1	+57 27	13.3		349
			35.3	+60 21	11.6	OB(ce,le)	260

HD	Name	MWC	R.A. 2h	D.	m	Sp.t.	Bibliography		
17306	BD+62°457	452	37.7	+62 22	9.2	Bne	354		
		453	37.8	+61 11	10.5	Be	354		
	BD+58°513			38.3	+58 53			357	
		M 68	40.8	+58 36	9.5		747		
		M 69	41.6	+53 44	7.8		747		
		57	42.3	+61 41	9.4	BOne	140-266-354		
			43.2	+56 55			354-357		
			44.0	+60 15			357		
		58	44.1	+56 32	9.5	B5e	354		
			44.9	+55 17			357		
			48.0	+59 42			357		
			49.0	+56 51			354-357		
			50.6	+60 00			357		
			51.0	+57 18			357		
			59	51.5	+60 12	9.1	Be	140	
	454	51.8	+57 17	10.0	Be	354			
		52.4	+53 52			357			
		53.2	+53 34			357			
18552	BD+37°675	455	53.8	+37 45	5.9	B8Ve	19-112-215-344-432-624-843-903-1081		
237056	BD+57°681	720	55.0	+57 13	8.7	B0.5:V. pe	19-81-82-156-158-254-260-266-267-508-719-745-939-946		
237060	BD+52°651	M 70	56.2	+52 20	10.5		747		
			56.4	+54 35			357		
		60	56.7	+59 02	8.8	B5ne a			
18877			57.0	+55 50			357		
		721	57.1	+59 38	8.2	B8e			
			58.9	+54 09			357		
		M 71	59.2	+63 47	10.0		747		
			59.3	+61 10			357		
19243	BD+61°525		00.7	+62 00	6.5	BlV:e	19-61-112-156-158-216-260-266-267-370-598-605-624-693-719-751-835-939-946-1051-1081		
			00.9	+58 48	12.8		357		
			01.9	+60 22			357		
		M 72	02.1	+51 59	10.0		747		
			05.1	+59 23	13.1		357		
			05.8	+59 05			357		
			06.0	+59 59	13.1		357		
			07.1	+58 39			357		
		237091	BD+59°612	62	07.3	+50 32	8.8	BlVp	19-156-244-260-266-267-719-946-1051
		20017	BD+48°870	63	07.9	+48 19	7.9	B5:Ve	60-61-693-835-1051-1056-1081
		20097		457	08.7	+49 30	8.4	B9ne a	
		20134	BD+59°625		08.8	+58 27			357
64	09.1			+59 41	7.5	B2e	58-81-82-266-267-594-598-605-693-719-835-1056-1081		
20336	BD+65°340		09.8	+56 49			357		
		65	11.2	+65 17	4.8	B2Ve	19-49-112-115-124-152-158-161-196-234-266-332-335-336-375-378-432-513-520-598-624-654-656-682-684-693-696-701-719-757-788-807-817-835-876-878-881-898-919-959-1035-1067-1081-1113-1114-1117-432-1081		
20340	BD+49°916	723	11.2	-17 12	7.8	B5ne			
237118		458	12.0	+59 31	9.0	B8ne			
20566		724	13.5	+71 03	7.7	B3e			
				14.8	+53 13			357	
				16.7	+58 47	12.3		354	
237134			66	17.0	+59 54	8.8	Bne		
20899				17.1	+49 19	10.7	B3p shell	19-264-266-939-946	
			725	17.1	+45 10	8.4	B9e		
			459	19.4	+48 38	10.0	Be		

HD	Name	MWC	R.A. 3h	D.	m	Sp.t.	Bibliography
21212	BD+61°587	M 73 67	19.9 20.3	+64 00 +62 09	10.0 8.7	B2e(V)	747 19-81-82-156-260-266-267-373-719- 757-939-946 112-512-515-717-898-946
21291	BD+59°660		21.0	+59 36	4.4	B9Ia	
237146		460	21.6	+59 34	9.0	B3e	
	BD+54°686	M 74	22.8	+54 34	10.0		747
	BD+58°610	726	22.9	+58 54	9.3	Be	354 357
21629	GK Per		23.6	+52 56		sdBe	83-211
21641		727	24.4	+43 34		B9e	19-59-112-624-903-910-1081
21650	BD+41°696	68	24.5	+47 31	6.8	B5ne	61-432-598-835-1051-1081
			24.6	+41 25	7.2		357
			27.5	+60 47			
22192	BD+47°857	69	29.4	+47 51	4.3	B5ne	19-30-56-64-112-152-157-161-276- 312-332-335-336-338-340-439-498- 506-519-520-554-574-594-598-624- 677-679-682-693-728-743-757-807- 816-835-864-868-898-904-910-932- 955-959-980-1035-1081-1108-1111- 1113-1114
22298		70	30.3	+54 50	8.4	B2ne	266-267-373-519-719-835-1056
			31.5	+51 34			357
	BD+61°623	71	31.9	+61 31	8.7	B2ne	266-354
	BD+50°796	M 75	32.6	+51 05	9.4		747
		462	33.2	+50 25	11.0	Be	
		M 76	34.5	+64 17	10.0		747
22780	HR 1113	463	34.6	+37 16	5.6	B5e	112-598-624-835-898-1081
22920	22 Eri		35.7	-05 32	5.5	B8e	520
23016	BD+19°578		36.6	+19 23	5.5	B8V(e?)	19-34-432-843
23180	BD+31°642		38.0	+31 58	4.4	B2pe	21-94-98-99-105-133-207-234-372- 432-634-652-653-749-751-780-788- 815-821-834
23302	HR 1142	72	39.0	+23 48	3.8	B5ne	19-21-64-90-97-112-134-212-224- 229-365-520-548-598-624-641-728- 757-835-898-947-1081
23480	BD+29°611	728	39.1	+29 24	9.1	B8e	
	HR 1156	73	40.4	+23 39	4.2	B5ne	21-30-64-97-112-134-157-161-229- 285-365-439-498-520-548-598-624- 641-643-728-757-835-847-898-1081- 1111
23552	HR 1160	464	41.0	+50 26	5.9	B8e	112-903
23630	HR 1165	74	41.5	+23 48	3.0	B5ne	5-19-21-22-30-64-65-90-97-112-134 224-229-365-439-498-520-548-566- 569-598-624-641-643-728-835-898- 1035-1081-1111
23862	HR 1180	75	43.3	+23 51	5.2	B8ne	5-30-112-157-196-226-227-229-233- 236-238-256-299-334-365-471-473- 520-548-590-624-641-643-702-708- 757-768-784-795-813-843-868-903- 904-917-980-983-990-993-1031-1035 1077-1081-1096-1108
			43.7	+55 29			357
23982	BD+63°458	76	44.3	+63 11	8.1	B3e	60-61-693-719-835-1081
			44.7	+46 30	8.3	B2; IV:nne	266-949
			44.8	+52 12			357
	BD+46°815	465	46.8	+46 36	9.8	B0ne	19-264
		M 77	47.8	+44 38	10.0		747
24398	BD+31°666		47.8	+31 35	2.9	B1e	72-73-97-98-99-105-130-133-202- 203-204-241-372-432-437-455-517- 634-647-652-653-721-739-741-744- 751-773-780-788-815-821-847
24479	HR 1204	77	48.6	+62 47	4.9	B9ne a	112-161-215-515-520-793-903-1081
			48.6	+52 07			357
24534	BD+30°591	78	49.1	+30 45	6.0	B0nne	19-133-216-244-266-378-506-520- 527-585-598-682-696-719-822-835-

HD	Name	MWC	R.A.	D.	m	Sp. t.	Bibliography
			3h				
24560	BD+44°816	79	49.3	+44 38	7.8	B2e?(III-V)	939-946-959-1079-1081 60-61-264-266-417-693-719-835- 1056-1081 357
		M 78	50.8	+51 52	10.5		747-759
	BD+38°826	729	51.0	+55 54	9.3	B3e	
			51.3	+38 24			357
			53.4	+54 50			357
			54.0	+49 05			357
25348	BD+52°752	M 79	54.5	+53 47	10.0		747
		80	56.6	+53 03	8.2	B1pne	19-81-82-156-158-264-266-719-835- 939-946
		466	56.6	+52 02	10.5	Be	
25487	BD+27°623	467	57.8	+27 51	8.0	BOVe +KOIV	19-147-204-210-235-432-697-725- 840-938-977-1015 357
			59.0	+47 30			
			4h				
			00.1	+49 05			357
			00.3	+53 25			357
25940	BD+47°939	81	01.4	+47 27	4.0	B3Vpe	19-64-72-91-112-115-158-161-215- 216-245-264-270-278-312-332-335- 437-439-498-506-519-520-570-598- 609-624-655-682-693-712-719-724- 728-741-743-757-781-782-816-817- 835-874-876-898-906-927-932-959- 988-1081-1108-1111-1114 357
			04.4	+50 20			
26398		468	05.4	+16 22	7.0	B6e	54-58-112-216-903-1081
26420	BD+41°830	82	05.7	+41 52	7.6	B3ne a	60-61-245-264-693-719-835-1081 357
			05.9	+52 29			
232925		469	07.7	+50 36	8.8	B8e	
26670	HR 1305		08.1	+61 36	5.6	B5nne	1049
26765		730	09.0	+51 07	8.7	B8e	
26906		83	10.1	+45 58	8.6	B3ne	60-61-82-158-266-719-720-1051- 1081
		M 80	10.1	+44 41	10.2		747
26909		470	10.3	+53 22	11.5	Be	
			10.4	+50 16			357
		M 81	10.8	+46 26	11.0		747
		84	11.6	+55 46	11.5	Bep	264-430
			13.1	+50 19			357
		471	13.6	+55 36	11.0	B3e	
			20.6	+49 26			357
232971	BD+53°778	85	23.7	+53 36	9.0	B5ne	745-1081
	BD+47°1000	M 82	24.1	+47 44	9.5		354-747
28497	HR 1423	86	24.5	-13 17	5.5	B3ne	19-26-61-112-215-234-244-246-251- 266-399-520-670-682-719-835-898- 959-964-1051-1081 357
			26.3	+55 00			747
		M 83	26.7	+17 18	11.0		
		472	28.4	+45 19	9.5	B8ne	
		473	28.9	+53 41	11.0	Be	
			29.8	+49 21			357
		474	32.0	+53 50	10.5	B3e	
29332		475	32.1	+41 03	8.8	B3ne	
29373		732	32.5	+43 28	8.0	B6V	759
237299		87	33.0	+57 43	8.8	B3e	
29441	BD+07°678	733	33.1	+07 59	8.0	B3e	81-82-659-835-1056-1081 357
			33.7	+42 22			357
			34.1	+44 28			357
29866	HR 1500	M 84	35.6	+46 27	11.5		747
		88	37.3	+40 36	6.1	B77e	61-112-161-215-524-624-693-712- 724-835-1049-1051-1081
		734	38.4	+44 04	10.0	B5e	
	BD+43°1048	735	38.7	+43 49	8.9	B8e	

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
30076	BD+43°1050 HR 1508	476	39.2	+44 02	9.5	B2e	140-150-176-266-354-693-745-1081
		89	39.3	-08 41	5.9	B5ne	19-112-215-246-251-266-407-409-520-659-719-781-782-835-848-959-964-988-1081
30123		736	39.7	+19 08	8.4	B8III	953
		90	40.0	+46 03	10.0	Be	354-1081
30280	BD+41°974		40.3	+47 37			357
		737	41.1	+48 21	8.5	B9e	
		91	43.2	+41 30	9.2	B0ne	19-264-266-946
		M 85	44.6	+53 30	11.0		747
			46.5	+39 59			357
		M 86	47.4	+49 15	9.5		747
277129 280259 31293	BD+35°927 BD+44°1051 AB Aur	477	47.8	+45 53	11.2	B4ne	354-441-693-745-1081
		M 87	48.4	+41 28	10.0		747
			48.4	+40 55			357
		478	48.5	+35 25	9.2	B2e	354
		M 88	48.6	+44 06	9.3		747
			49.4	+30 24	7.2	B9e	950
			49.6	+39 04			357
		479	50.0	+43 05	9.3	B3e	
			50.5	+45 06			357
			740	50.6	+27 33	12.0	B3e
31648 268718	BD+44°1072	741	51.0	+39 22	11.0	B3e	
			51.7	+43 12			357
		742	52.0	+44 41	9.8	B2e	
			52.5	+43 03			354-357
		480	52.5	+29 41	7.5	A2e	161-798-980
			52.7	-69 34	10.6	B9Ieq	19-594-601-603
		481	53.7	+39 20	9.0	B5ne	
			53.7	+35 44			357
		482	54.1	+43 23	11.7	B2e	140-176
		94	54.2	+41 07	9.0	B3ne	266
277413 32034	BD+37°1016		54.3	-66 36	12.5	B6Ie	603
		M 89	54.4	+39 38	10.5		747
		M 90	55.2	+37 14	10.0		747-759
			55.2	-67 20	10.1	B9Ie	603
		M 91	55.6	+32 26	10.0		747
			55.2	+23 53	8.6	B1:Ve	81-82-1056
		744	56.4	+36 16	10.0	B2e	354
		M 92	56.5	+33 21	10.5		747
		95	56.6	-66 34			
		32343	57.4	+58 50	5.3	B3eV	19-48-49-98-102-112-115-152-157-158-161-196-215-266-332-335-506-519-520-527-550-624-677-682-693-719-757-781-782-787-835-880-881-898-959-964-988-1035-1081-1102-1113
32358	BD+34°945 BD+40°1172 BD+38°1023	745	57.5	+44 49	8.8	B6V	
			57.5	+42 11			357
		M 93	58.4	+41 02	10.0		747
		483	59.3	+41 38	9.2	B3ne	
		746	59.6	+34 50	9.8	Be	
		747	59.8	+40 21	10.5	OB(1e)	264
32763	BD+44°1103 BD+46°965 BD+36°1012 BD+44°1108		59.9	+38 59	9.3	B5ne	
			5h				
		748	00.3	+40 18	10.5	B8e	
		97	00.3	-70 20	9.6	Peo	644-999
		M 94	01.3	+44 34	9.4		747
		M 95	01.4	+46 33	9.0		747-759
32991	BD+21°766	749	01.5	+36 52	9.0	B5e	
		M 96	02.0	+44 18	9.1		747
		98	02.0	+21 34	6.0	B3ne	19-112-152-158-215-234-264-266-335-520-598-624-682-696-719-741-781-782-817-835-874-876-897-898-959-988-1081-1114

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
33051		750	02.5	+43 01	8.9	B9e	
269006			03.0	-71 28	9.2	B2.5Iep	19-602
			03.1	+38 41			357
33152	BD+36°1021	99	03.2	+36 53	7.8	B2e	81-82-161-264-266-693-719-835-1056-1081
33232	BD+40°1196	100	03.7	+40 53	8.1	B3e	81-82-83-293-432-680-693-719-722-776-784-832-835-930-980-990-1035-1056-1081
268939			04.4	-67 23		B1e	19
33357	BD+41°1101		04.6	+42 02		B1:Vne	19-79-108-156-158-264-266-432-693-752-939-946
	BD+38°1054		04.7	+38 20			357
	BD+39°1204	404	05.2	+39 27	9.4	B0e	19-264-266-949
33461	BD+41°1106	101	05.3	+41 06	8.0	B1e	19-81-82-156-158-264-266-719-935-939-946
33540		102	05.8	-71 03	12.3	Beq	999
33579			06.1	-68 01	9.5	Be	602-607
33604	BD+40°1213	103	06.3	+40 05	7.3	B3se	19-156-158-264-266-605-693-719-835-939-946-1081
241570		751	06.9	+21 52	10.1	B5ne	
		485	07.6	+32 42	11.5	Be	
			08.1	+40 30	11.9		357
			08.2	+36 36		B1V:pe	19-264-266-946
33988	BD+46°989	104	09.0	+46 19	6.9	B5ne	112-216-264-266-527-605-693-719-787-835-1081
			09.4	+36 06			357
34085	HR 1713	486	09.7	+35 17	8.8	B3ne	
		487	09.7	-08 19		oB8e a	19-21-64-66-86-90-91-97-98-100-106-112-116-126-215-224-228-234-272-339-385-412-432-458-487-489-490-498-512-515-521-559-564-572-603-682-699-717-739-741-749-773-780-788-793-815-828-898-901-947-996-1010-1071-1079-1081
			10.0	+39 07			357
269128			10.9	-68 54	9.8	B2.5Ieq	19-5194-601-602-603
34257		489	11.0	+33 28	8.2	B8e	
242257		490	11.2	+33 56	10.3	Pec	333-451-453
34302		752	11.4	+37 33	8.0	B8e	
		M 97	11.9	+43 41	9.5		354-747
			12.2	+37 58			357
			12.4	+37 49			357
34507		491	12.9	+44 32	8.8	B8ne	
			13.4	+39 15			357
34664		105	14.0	-67 34	11.4	B3q	999
			14.3	+31 50			357
269217		106	14.4	-69 28	11.4	Beq	148-999
269227		492	14.6	-69 38	11.6	Beq	148-999
242750		493	14.7	+28 02	9.0	B8e	759
280903			14.9	+36 33			354-357
34921	BD+37°1160	107	15.8	+37 35	7.4	B0ne	19-61-68-156-158-264-266-370-693-719-789-823-835-927-939-946-1081
	BD+33°1025		16.2	+33 20			357
	BD+37°1165	753	16.4	+37 37	9.3	Be	
			16.7	+33 24			357
35165	HR 1772		17.7	-34 26	6.1	B5ne	246-251-396-630-670-906-1081
			18.2	+30 06			357
269321			18.7	-69 22	10.9	B5Iae	19-594-601-603
		M 98	18.8	+36 28	10.0		354-747
35343	S Dor	108	18.9	-69 21	9.0	Beq	148-575-602-665-999
35345	BD+35°1095	109	19.0	+35 33	8.4	B2e	19-81-82-158-264-266-789-835-939
35347	BD+29°886	494	19.0	+29 32	8.5	Bne	19-264-266-835-839-946
		495	19.4	+35 38	9.4	B8e	
35411	28 eta Ori		19.4	-02 29		B1V	67-98-161-205-232-234-432-652-653-744-773-788-815-834

HD	Name	MWC	R.A. 5h	D.	m	Sp.t.	Bibliography
35439	BD+01°1005	110	19.6	+01 45	4.7	B3ne	19-21-26-49-98-102-112-152-161-166-200-215-244-266-267-335-336-520-545-594-624-659-666-682-696-719-728-757-773-835-868-898-939-1081
			20.0	-72 01	9.0		602
		754	20.2	+36 03	10.5	B3e	
35621	BD+31°973	496	21.0	+31 19	8.4	B5ne	264-835
35652	BD+11°834		21.2	+34 42	8.4	B3:;Vnne	1056
243770		755	21.4	+33 32	9.8	B3e	759
		M 99	22.7	+34 25	10.0		357-747
			22.7	+34 14			357
	BD+37°1207	M100	23.0	+37 27	9.1		747
			23.1	+28 21			357
36012	BD+02°974	757	23.6	+02 05	7.7	B5e	835-1081
	BD+24°845		25.6	+24 13			357
36376		760	26.2	+09 09	7.7	B8e	759
244610		498	26.5	+26 42	9.0	B3e	354
		499	26.9	+34 13	9.4	B3ne	
	BD+35°1169	500	27.6	+35 45	8.4	B0e	19-264-266-835-939-946
36576	HR 1858	111	27.6	+18 29	5.5	B3ne	94-112-152-215-266-295-520-524-594-624-682-693-719-835-959-1081-1114
36665	BD+27°798	501	28.3	+27 59	8.0	B0ne	94-264-266-354-719-835
244894	BD+27°797	761	28.3	+27 31	9.9	B0e	19-264-266-946
269582		112	28.5	-69 04	13.0	Beq	999
		113	29.0	-69 13	12.2	Beq	266
			29.1	+27 20			357
		502	30.1	+34 08	9.0	B2e	693-1081
	BD+24°879	101	30.2	+24 43	10.0		747-759
245310	BD+21°901	503	30.4	+21 08	8.9	Be	19-264-266-939-946
245405		102	30.9	+17 00	10.6		747
37115		114	31.0	-05 41	8.2	B5ne	60-61-313-432-772-835-894-1081
37128	HR 1903	504	31.1	-01 16	1.8	B0e a	64-94-97-98-99-100-102-112-215-455-458-517-598-608-634-706-835-901-1010-1081
							19-81-82-156-158-264-266-835-939-946
245493	BD+33°1103	764	31.3	+33 54	8.5	B3e	
245546		505	31.5	+23 05	8.8	B5ne	
269662			31.5	-69 07	10.8	B9:;Ieq	19
	BD-06°1253	765	31.6	-06 47	9.7	Pec	
37202	BD+21°908	115	31.7	+21 05	3.0	B3e	5-19-21-22-30-31-37-61-64-65-69-70-90-112-157-160-172-179-185-186-189-191-192-195-196-205-224-237-240-245-264-266-274-285-287-292-297-302-304-306-308-309-334-335-378-432-498-499-506-518-519-520-523-529-566-569-578-624-669-672-682-696-705-712-719-724-728-741-757-782-807-815-827-835-839-864-874-898-906-927-947-955-980-1005-1029-1033-1035-1071-1081-1090-1102-1108-1111-1116
245672		766	32.2	+23 55	9.9	B3e	
			32.2	-66 27	11.3	B2:;Ie	603
37318	BD+28°836	506	32.6	+28 24	8.2	B1:;Vne	82-264-266-354-719-835-1056
269700			32.6	-68 37	10.4	B2Ia+B1.5Iae	19-602-603
245770	BD+26°883	507	32.7	+26 16	8.9	B0e	19-264-266-745-946-1081
37330		116	32.7	+00 55	7.2	B8ne	720
	RR Tau	103	33.3	+26 19	10.2		747-950
245950		508	33.6	+27 26	9.2	B3e	
37490	HR 1934	117	33.9	+04 04	4.5	B3e	19-21-22-30-64-86-112-152-157-158-200-215-217-244-265-266-267-364-375-378-504-624-655-656-682-706-710-719-728-757-773-807-835-898-

HD	Name	MWC	R.A. 5h	D.	m	Sp.t.	Bibliography
			34.1	+30 37			917-925-934-939-959-1081 357
37541		769	34.2	+17 38	8.5	B9e	
37622			34.7	-11 15	8.0	B3:Ve	1056
	BD+37°1285	M104	35.0	+37 24	9.5		747
37657		118	35.1	+43 00	7.0	B3ne	112-158-264-266-524-693-719-835- 1056-1081
246338		770	35.6	+29 28	8.9	B3e	
37742	HR 1948	509	35.7	-02 00	2.0	B0ne a	26-64-97-98-102-112-215-443-498- 517-564-589-598-634-835-1081
	BD+37°1292	M105	36.0	+37 57	8.7		19-264-719-747-939-946
37795	HR 1956	119	36.0	-34 08	2.8	B8ne	19-21-22-64-86-246-251-362-520- 559-572-662-670-677-682-1081
37836		121	36.2	-69 44	10.5	Beq	999
37867			36.5	+35 11	8.6	B5Vpe	624
246579		771	36.7	+33 23	9.5	B0e	759
37967	HR 1961	122	37.2	+23 10	6.1	B3ne	19-112-158-216-375-378-598-624- 655-693-719-797-835-874-959-1081
37974		123	37.2	-69 26	11.3	Beq	999
246708		510	37.3	+28 12	10.2	B8e	
37998		772	37.4	+25 15	8.0	cB8e	527-787
38010	BD+25°941	124	37.5	+25 24	6.9	B3ne	19-152-158-216-264-266-354-605- 624-682-693-719-806-835-939-1081
269858		511	37.5	-69 33	9.8	Beq	999
38063		512	37.9	+21 55	9.1	B8e	
246878	BD+27°850		38.2	+27 12		B0.5Vpe	19-264-266-946
38116		773	38.3	+28 59	8.1	B5e	835
247037		774	38.9	+32 58	9.4	B5e	759
38191	BD+21°958	125	38.9	+21 25	9.5	Bne	19-264-266-939-946
	BD+52°996	M106	39.6	+52 10	9.1		747
247221		775	39.7	+18 57	9.7	B8e	
247331	BD+25°970	513	40.2	+25 30	8.7	B2e	266-354-693-719-745-1081
			40.8	-69 47	10.2	B5I+neb	19-602
38489		126	41.0	-69 26	12.0	Beq	999
			41.1	+25 26			357
247525		776	41.2	+26 21	10.8	B5e	
247795	BD+31°1106	514	42.6	+31 48	9.2	Be	145-354
			42.6	+29 46			357
38708	BD+29°1005		42.6	+29 06	8.4	B3:pe	19-163-245-264-719-939-946
	53 kappa Ori		43.0	-09 42	2.0	B0.5Ie	921
248060		777	43.8	+14 23	8.8	B3ne	
		778	44.1	+23 52	14.0	Bpe	
39018		779	44.7	+18 00	7.5	B9e	
			45.0	+25 40			357
248390		780	45.5	+26 24	10.2	B5e	
248434	BD+21°1011	515	45.7	+21 31	10.5	Be	745-1081
		M107	46.4	+25 44	10.5		354-747
		M108	46.6	+40 17	10.0		747
39340	BD+26°985	127	46.9	+26 25	8.1	B3ne	81-82-155-264-266-357-719-835
		M109	47.3	+28 46	10.5		747
248753	BD+25°1019	128	47.3	+25 43	8.4	B2:;Vnne	19-264-266-354-806-835-1056
39478	BD+26°992	129	47.8	+26 24	8.4	B2ne	264-266-835
		782	47.8	+17 45	10.5	Be	
	BD+28°936	M110	48.2	+29 01	9.5		747
39557		130	48.3	+00 46	8.9	B8ne	
			48.5	+22 45		OB(1e)	264
			48.6	+23 02	12.5	OBe	714
		M111	48.9	+29 36	10.0		747
39680		783	49.0	+13 49	7.9	B0e	19-81-82-158-161-254-432-693-822- 835-939-946-1081
249179	BD+28°946	516	49.6	+28 46	9.2	B5ne	745-1081
			50.0	+20 45			357
249417		784	50.8	+30 47	10.4	B8e	759
		M112	50.8	+23 35	10.0		747
249695	BD+30°1071	785	52.2	+30 12	8.9	B0e	19-264-266-939-946

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
			5h				
			52.6	+27 54			357
			53.2	+16 41			357
		M113	53.3	+23 43	11.3	OBe	714-747-856
			53.5	+23 34	11.7	OB:e	714
			53.5	+23 22			357
			53.6	+23 12			856
	BD+23°1139		53.7	+23 22		B1e	266-856
	BD+23°1141		53.8	+25 06	8.9	B2e	19-264-266-714-759-856-939-946
250028	BD+25°1065	786	54.3	+19 56	11.0		747
250160		M114	54.4	+19 11	10.2	B0e	19-266-354-747-806-856-939-946
250163	BD+19°1166	517	54.5	+23 40			856
	BD+23°1146		54.6	+23 11			856
	BD+23°1144		55.0	+23 20	9.2	Be	19-158-244-264-266-267-588-605-693-714-719-856-939-946-953
250289	BD+23°1148		55.3	+24 29	11.0		747-856
	BD+24°1063	M115	56.0	+25 07			856
	BD+25°1083		56.2	+16 30	9.7	B9eq	759-950
250550		789	57.2	+46 33	7.0	B3ne	112-158-216-266-719-835-1056-1081
40978		131	57.3	+21 47			856
	BD+21°1092		57.5	-10 02	10.0		747-759
	BD-10°1351	M116	57.8	+22 20		B5e	856
	BD+22°1151		58.0	+20 08	4.7	B1se a	80-94-98-99-152-157-161-215-224-285-517-521-522-558-566-654-682-835-852-898-1010-1023-1079-1081-1113
41117	HR 2135	132	58.1	+09 40	9.4	B0e	266-693-745-1081
			59.0	+24 04		B0e	266-856
250980	BD+09°1075	518	59.1	-14 53	9.4		747-759
	BD+24°1083		59.2	+24 10			856
	BD-14°1319	M117	59.4	-06 42	5.1	B2ne	19-94-112-152-161-215-234-246-250
	BD+24°1087						251-266-403-432-520-659-682-719-744-757-770-788-807-835-844-898-904-959-1061-1081
41335	HR 2142	133					
			6h				
	BD+21°1113		00.9	+21 35			856
		790	01.0	+30 11	12.0	Be	
251726	BD+13°1210	M118	01.0	+19 02	10.0		19-266-747-806-856-939-946
41689	BD+62°818		01.6	+62 20	8.6	B1:Vne	1056
			02.1	+18 42	13.0	B5-B9e	950
	BD+24°1118		02.9	+24 10			856
	BD+24°1127		03.5	+24 38		B5e	856
42054	HR 2170	134	03.5	-34 18	5.9	B5ne	246-251-933-1044
		791	03.6	+23 06	11.0	Be	266-714-856
42087	HR 2173	520	03.7	+23 08	5.8	B2e a	19-94-112-208-835-1081
			04.2	+13 02			354-357
42259		521	04.6	-05 03	8.4	B3ne	26-266-719-835-1081
		M119	04.7	-09 37	11.0		747
42406		792	05.4	+03 54	8.2	B5ne	
			05.5	+15 15			354-357
			05.8	+47 46	10.5	sdBe	83-1095
253084		793	05.9	+14 16	9.6	B5e	
42529		794	06.1	+33 00	8.0	B9ne	
253214	BD+20°1309	135	06.4	+20 07	9.4	B0ne	158-266-745-1081
253215		795	06.4	+20 02	10.6	Be	
253339	BD+24°1162	522	06.9	+24 04	10.6	B3e	266-354-745-856
			07.4	+09 31			357
253659		796	08.1	+16 33	9.7	B0e	19-939
			08.2	+14 19			354-357
42908	BD+08°1238	523	08.3	+08 44	8.5	B3e	693-719-835-1056-1081
		M120	08.7	+18 30	10.0		747
43059		797	09.1	+29 16	8.6	B5e	
		M121	09.6	+18 06	10.5		357-747
			09.9	+18 13			357
			10.3	+15 48			357

HD	Name	MWC	R.A. 6h	D.	m	Sp.t.	Bibliography
43285	HR 2231	136	10.3	+06 06	6.0	B5ne	215-407-520-624-693-835-1081
254329		524	10.8	+12 26	9.4	B8e	
			11.6	+11 54			357
			11.7	+12 10			357
43544	HR 2249		11.7	-16 35	5.9	B5ne	246-251-959-1034
254647	BD+11°1100	798	12.0	+11 14	10.3	Be	19-266-946
			12.2	+11 18			357
43703	BD+23°1289	799	12.6	+23 03	8.7	B3ne	19-158-244-266-719-806-856-939-946-955
		800	12.9	+21 23	10.8	Be	
254878		123	12.9	+14 40	11.5		747
		137	13.0	+15 19	11.2	Pec	140-176-948
255103		801	13.7	+18 24	10.7	Be	354
			13.7	+12 13			357
255137		M124	13.8	+21 13	10.8		747-759
44080		802	14.7	-12 29	7.9	B9e	
			14.8	+11 13			357
			15.4	+17 15			354-357
			15.7	+16 11			354-357
			15.7	+09 11			357
44351		803	16.3	+14 21	8.5	B3pe	759-775-784-990
44458	HR 2284	138	16.8	-11 44	5.5	B2ne	19-26-158-246-251-266-520-662-670
							682-719-807-835-898-939-959-1081
44637	BD+15°1176	139	17.7	+15 09	7.7	B3e	19-60-61-81-82-145-158-266-433-693-719-835-939-946-1081
			17.7	+07 54			354-357
44674	BD+25°1251	804	17.9	+25 28	8.5	B2ne	81-82-264-835-1056
256575		805	18.6	+10 39	10.0	B3e	
256577	BD+08°1314	525	18.6	+08 21	9.1	B0e	158-265-266-745-946-1071-1081
			19.2	+10 02			357
		M125	19.5	+19 50	10.0		747
		806	19.6	+20 09	12.5	Be	
44996	HR 2309	526	19.8	-21 55	6.0	B8e	903
45166	BD+08°1332		20.8	+08 03	9.7	Bpe	19-266-939-946-1112
	BD-21°1449	M126	21.0	-21 17	9.8		747-759
257366	BD+11°1179	527	21.3	+11 00	9.0	B3e	693-1081
45260		528	21.3	-09 20	9.1	B3ne	
45314	BD+14°1296	140	21.6	+14 57	7.1	B2ne	61-158-161-266-433-693-719-822-835-939-946-1081
257473		807	21.7	+18 20	9.0	B9e	759
			22.7	+05 54			357
45542	HR 2343	141	23.0	+20 17	4.1	B5ne	30-64-83-112-157-190-215-433-439-498-520-566-570-624-693-720-728-835-898-1081-1111
45626			23.4	-04 23		B7pe Shell	19-265-939-946
45677		142	23.7	-13 00	7.5	Bep	159-266-693-719-775-784-835-909-947-980-1081-1097
45725	HR 2356	143	24.0	-06 58	4.7	B3ne	19-21-22-27-49-152-157-158-215-277-312-335-336-506-520-659-666-682-690-692-693-696-719-720-775-784-807-835-881-898-947-959-980-989-990-1035-1065-1081-1108-1117
45726			24.0	-06 58			693-1081
45727	HR 2358	144	24.0	-06 58	5.6	B3ne	19-157-380-520-693-719-720-757-835-1046-1081
45901		529	25.1	+02 55	8.8	B0e	19-433-1012-1081
45910	AX Mon	145	25.2	+05 57	6.7	Beq	5-19-121-158-182-206-216-266-333-433-451-453-531-570-624-693-698-709-719-774-784-798-835-844-884-909-938-939-946-947-980-1012-1035
							1047-1081-1108-1119
45995	BD+11°1204	146	25.6	+11 19	5.8	B2ne	19-61-157-158-215-265-266-520-605
							624-693-719-720-835-939-946-947-959-1081
46056	BD+04°1291	808	26.0	+04 59	8.0	B0e	520-835-1081

HD	Name	MWC	R.A. 6h	D.	m	Sp.t.	Bibliography
258983	BD-10°1563	809	26.1	+06 54			357
		M127	26.2	+05 34	10.2	B8e	
288805		M128	27.0	-10 27	9.8		747-759
			27.1	+01 14	9.3		747
			27.1	+10 13	10.7	Be +Shell	357-950
		M129	27.2	+04 31	10.5		747
259431	BD+10°1172	147	27.6	+10 24	8.7	B5:e	19-265-710-717-719-939-946-950-1081
259440	BD+05°1291	148	27.6	+05 52	9.6	B5ne	19-244-265-266-267-719-939-946-1112
46380		530	27.9	-07 26	8.4	B3ne	266-605-693-719-835-1056-1081
259597	BD+08°1388	149	28.1	+08 24	8.8	B0ne	19-158-265-266-441-693-745-819-939-946-1012-1081
259631		810	28.2	+08 06	9.2	B5	759
			28.3	+04 53			357
		M130	29.0	+05 24	10.0		354-747
	BD+02°1293	811	29.1	+02 52	9.8	Be	
46658		812	29.5	+21 30	8.6	B8e	759
			29.6	+06 33			357
			29.9	+05 38			357
260378		M131	30.6	+13 11	11.0		747
288847		M132	31.3	+01 45	9.3		747
260698		M133	31.6	+12 45	10.5		747
47054	HR 2418	150	31.6	-05 08	5.5	B8ne a	407-520-659-903-1081
47129	BD+06°1309		32.0	+06 13	5.8	B0p	19-83-152-210-506-520-528-570-682-830-947-949-986-1000-1009-1012-1079-1081
47202		813	32.3	-12 46	9.1	B9e	
261054		814	32.7	+09 34	9.5	B3e	
47359		815	33.1	+04 58	8.8	Be	19-265-693-939-1012-1081
	R Mon	151	33.7	+08 49	13.0	Pec	950
261520		816	34.2	+12 10	9.9	B8e	759
			34.3	+09 04			357
47761		531	35.1	-04 36	8.5	B0e	19-27-158-265-266-693-835-939-946-1081
			35.2	+09 53	13.0	B8pe	950
262506		818	37.4	+04 50	10.3	B3e	
48282		532	37.5	-10 24	9.0	B5ne	1081
262741		533	38.2	+07 21	10.8	Be	
262974			38.5	+07 01	11.8		354-357
263072		M134	39.2	+05 04	10.8		144-747
		819	39.4	+01 26	13.0	Bep	
48699		820	39.5	-11 46	9.6	B9e	
48917	HR 2492	152	40.7	-30 58	5.2	B3ne	26-246-251-662-670-913-933-1044-1081
			41.1	+04 10			357
			41.7	+04 46			357
289120	BD+01°1503		41.7	+01 25		B2ne	717
49330	BD+00°1607	821	42.8	+00 53	8.8	Be	19-265-266-693-939-946-1081
49336	HR 2510		42.8	-37 40		B4Vne	933
49699		822	44.6	-12 33	7.5	B9e	
49787		153	45.0	-05 24	7.3	B3e	19-68-158-265-266-693-719-935-939-1081
	BD-02°1796		45.3	-02 59	8.8		347
		M135	45.4	+05 06	10.0		144-747
49888		534	45.5	-12 29	7.4	B5e	266-659-693-719-835-1081
49977		154	45.9	-14 00	7.9	B2ne	19-158-266-719-835-939-963-1081
49992		535	46.0	-05 13	9.2	B0ne	19-265-266-939-946
50013	HR 2538	155	46.1	-32 23	3.8	B2ne	16-19-21-22-26-64-86-244-246-251-266-362-612-617-670-682-719-881-933-945-1081-1096
		M136	46.3	-03 13	10.0		747
50064	BD+00°1651	536	46.4	+00 25	8.3	oB6e	755-871-939-946-953-1081
50083	BD+05°1448	156	46.5	+05 13	6.8	B2e	61-68-152-158-216-265-266-605-624-682-693-719-835-939-1056

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
			6h				
50091			46.5	-13 07	8.6	B3pe	19-719-939
50123	HR 2545	157	46.6	-31 36	5.6	B8ne	720
50138		158	46.7	-06 51	6.6	B8e	30-122-142-157-177-178-180-190- 216-293-775-784-798-980-1108
50209		159	47.1	-00 10	8.3	B5ne	60-61-741-835-1050-1051
265580		824	47.3	+14 53	9.9	B9e	759
50424		825	48.1	-09 53	9.1	B9e	
		M137	48.1	-12 02	9.0		747
	BD-15°1548	M138	48.1	-15 29	9.3		747-759
			48.5	-04 43		B5e	347
50658	HR 2568	537	49.1	+46 25	5.8	B8e	157-190-215-903-1081
50696		538	49.2	+00 18	8.4	Be	19-158-265-266-693-939-946-1081
50737		826	49.3	-13 03	9.0	Be	
50820	HR 2577	827	49.7	-01 38	6.2	B3pe	19-78-83-161-246-251-266-676-719- 799-835-959-1108
50846	BD-01°1449		49.8	-01 15		B5e	1030
50850		539	49.8	-18 10	9.1	B3ne	
50868			49.9	+05 34	7.9	B2Vne	19-589-621-659-693
50891	BD-03°1643		50.0	-03 34	9.2	B0:pe	265
50938		540	50.2	-17 47	7.9	B8e	
51193	BD-03°1651	541	51.3	-03 40	8.7	B3ne	158-441-971-1081
	BD-12°1700	M139	51.3	-12 52	9.9		747-763
266894		824	51.6	+09 24	10.4	Be	
51285		830	51.6	-24 34	8.5	B3e	
51354		160	51.9	+18 02	7.1	B3ne	19-240-624-693-719-819-835-1081
51404		831	52.1	-06 05	9.4	B9e	
51452	BD-04°1745		52.3	-04 04	8.5	Be	19
51480		161	52.4	-10 41	7.0	B8eq	152-216-333-451-453-939-1081-1103
51585		162	52.8	+16 28		Beq?	449-451
	BD-03°1668		52.8	-03 37	9.4	B3e	347
			53.4	-06 11		B1e	347
52159	BD-10°1802		55.0	-11 01	9.3	B5e	347
52244		163	55.3	-16 03	9.0	B5e	19-158-266-693-939-946-1081
52437	HR 2628		56.1	-21 59	6.5	B4Vne	19-158-246-251-587-599-613-693- 719
	BD-09°1789		56.4	-09 48	9.1	B3e	347
52597		832	56.7	-25 57	7.7	B5e	
		M140	57.0	-05 28	9.5		747
52721		164	57.2	-11 09	6.6	B3e	27-60-61-216-266-605-693-710-717- 719-835-1056-1081
	BD-06°1895	833	57.3	-06 10	9.5	B5e	
52812			57.5	-27 05		B3Ve	610-613
		M141	58.1	-04 42	10.0		747
52112		542	58.7	+08 24	9.3	B8e	
	BD-08°1718		58.7	-09 03	9.3	B5e	347
	BD-08°1723		59.0	-09 01	9.8	B1e	347
53179	Z CMa	165	59.0	-11 24	9.1	Beq	266-719-950
	BD-11°1762		59.2	-11 20			347
	BD-02°1911	M142	59.5	-02 10	9.8		747
		M143	59.6	-03 55	10.0		747
53367	BD-10°1848	166	59.7	-10 18	7.0	B1ne	19-27-68-158-216-266-267-524-594- 605-620-693-710-717-719-751-769- 835-918-939-946-950-1081
53428	BD-08°1729		59.8	-08 42	8.0	B1e	347
53416	BD+14°1558		59.9	+14 37	6.8	B8	117
			7h				
	BD-09°1830		00.3	-09 27	9.8	B3e	347
53667	BD-08°1734		00.8	-08 34	7.8	B0e	19-266-719-769-835-955-1081
		M144	01.0	+07 16	10.0		747
	BD-07°1734		01.0	-07 15	9.8	B1e	347
	BD-08°1743		01.5	-09 01	9.2	B1e	347
		543	02.4	-05 04	9.5	Be	441-745-763-1081
			02.4	-09 13		Be	347
54086	BD-14°1717		02.4	-14 32	8.9	B5e	347

HD	Name	MWC	R.A. 7h	D.	m.	Sp.t.	Bibliography
54309	HR 2690	544 167	02.6 03.2	-03 56 -23 41	10.6 5.8	B _e B3ne	441-693-745-1081 19-26-246-251-266-520-577-591-613 670-719-933-964
54464	BD-03°1762 BD-12°1807 BD-00°1618	836	03.8 03.8 03.9	-03 54 -12 24 -00 52	8.6 9.8	B5e B3e B1V:ne	19-266-939-946 347 19-265-266-939-946
54575	BD-15°1664 BD-09°1872	545	04.2 04.7	-15 46 -09 34	8.3 9.2	B5e B1e	524-535-693-835-1081 347
54786	BD-15°1672 BD-14°1751 BD-17°1823	837 M145	05.1 06.3 06.4	-15 56 -14 12 -17 25	9.2 9.5 9.8	B _e B5e	19-266-755-759-939-946 747-759 347
55135	BD-10°1908	168	06.6	-10 16	7.2	B4ne	693-835-1081
55271		169	07.1	-21 38	6.7	B5ne	599-613
55394	BD-14°1763	546	07.6	-14 38	9.0	B5ne	1081
55439		547	07.7	-14 18	10.2	Bne	745
55606	BD-01°1603 BD-09°1910	548 549	07.8 08.5	-09 40 -01 54	8.1 8.7	B2e B3ne	719-835 19-265-266-939-946
55806		839	09.4	+03 04	8.8	B9e	347
55885	BD-15°1712 BD-13°1894	550	09.7 09.8	-15 13 -13 08	9.7 9.5	B0e B _e	27-158-441-693-745-1081 347-359
56014	HR 2745	170	10.2	-26 10	4.7	B5e	1-2-3-5-8-10-19-21-22-86-117-246- 251-266-362-393-408-506-520-627- 628-670-693-719-797-865-881-991- 1021-1025-1035-1037-1081
56039	BD-11°1858		10.3	-11 41	8.3	B5e	347
		551	10.4	-09 21	11.0	B _e	
		552	10.6	-15 10	9.5	Bne	745
56139	HR 2749	171	10.7	-26 35	3.8	B3e	19-21-22-86-158-246-251-362-402- 408-520-559-693-719-781-782-881- 933-964-988-1044-1081
	BD-15°1729		11.0	-15 19	9.5	B5e	347
		M146	11.1	-19 43	9.5		747
		840	11.3	+03 39	10.0	B3e	
		553	12.5	-07 24	12.0	B _e	
56600		554	12.5	-16 26	9.7	B8e	
56670		555	12.9	-09 15	9.5	B _e	
56806		172	13.4	-18 39	9.3	B _e	
56847	BD-15°1748 CD-30°4279		13.6 14.8	-15 27 -30 39	8.9 10.0	B7Ib?Sne11?	19-158-347-924-939-946 747
57150	HR 2787	173	14.8	-36 33	4.7	B3ne	10-19-21-22-158-244-246-251-362- 520-659-677-693-719-964-1044-1081
		M148	15.0	-09 26	9.5		747
57219	HR 2790		15.1	-36 34	5.1	B2IVne	613-933
57233	BD-12°1900		15.2	-12 20	9.7	B3e	347
57386	BD-08°1856	174	15.9	-08 15	8.1	B5ne	19-61-266-835-939-946
57393	BD-23°5296 BD-12°1906	556	15.9 16.1	-23 55 -13 02	10.2 9.5	B _e B1e	266-946 347
57775		557	17.6	-10 38	9.1	B _e	
57910	BD-22°1837	841	18.2	-22 50	9.2	B5e	693-1081
58011		175	18.6	-25 49	7.0	B1e	266-413-599-613-719-763
			18.7	-21 31		B _e	347
58050	HR 2817	176	18.8	+15 43	6.4	B3e	158-266-527-624-719-787-835-959- 1081
58055		558	18.8	-12 29	9.0	B8e	759
58131	BD-19°1854		19.0	-20 01	7.5	B _e	347
58127		559	19.1	-13 54	7.7	B5ne	835
58155	HR 2819		19.2	-31 44	5.4	B5n	246-251-659-1034-1044
58343	HR 2825	177	20.1	-16 00	5.2	B3ae	26-27-246-251-266-520-670-682-693 719-741-835-898-947-959-1081
	CD-26°4310	M149	20.2	-26 19	9.2		747
		M150	20.4	-03 24	10.0		747
	BD-20°1913		20.4	-20 43	9.4	B _e	347
	BD-17°1964		20.6	-17 45	9.3	B3e	347
	BD-19°1871	M151	20.6	-19 55	9.5		747

HD	Name	MWC	R.A.	D.	m	Sp. t.	Bibliography
			7h				
58465	BD-20°1915		20.6	-20 48	8.7	B _e	347
	BD-20°1918		20.7	-20 48	9.4	B1 _e	347
		560	21.0	-07 31	12.5	B _e q	
		M152	21.5	-14 14	11.0		144-747
58715	HR 2845	178	21.7	+08 29	3.1	B ₈ ne	5-30-64-65-90-157-161-215-407-439 498-515-520-566-569-609-624-693- 903-1035-1081-1096-1111
58978	HR 2855	179	22.8	-22 53	5.5	B2ne	19-158-240-246-251-266-520-524- 662-670-682-693-719-724-797-821- 913-927-933-939-1035-1081-1108
59094	BD-15°1837	561	23.3	-15 53	9.0	B3ne	19-158-266-267-524-594-693-939- 946-1081
		M153	23.3	-27 09	10.0		747
59281		562	24.1	-27 12	8.3	B5 _e	
59319		843	24.3	-21 45	8.7	B9 _e	
		180	24.5	-13 34	9.0	B2ne	267
			24.6	-19 51		B _e	347
		844	24.9	-13 46	13.0	B _e	144
			25.1	-11 02	8.6	B _e	763
59497	BD-21°1962	181	25.1	-21 38	8.4	B3ne	693-1081
		563	25.3	-11 03	9.3	B _e	
			26.2	-18 54		B1 _e	347
59773	BD-21°1979	182	26.4	-21 35	8.1	B3 _e	1081
		M154	26.5	-14 12	11.0		144-747
	BD-15°1889	M155	28.1	-15 07	10.0		144-747
60260	BD-11°1994	564	28.5	-11 24	8.9	B4ne	693-1081
		846	28.6	-11 33	12.5	B _e	
60307		847	28.7	-12 54	8.9	B3 _e	
	CD-32°4140	M156	29.2	-32 20	9.8		747
	CD-30°4705	M157	29.8	-30 04	10.0		747-759
60606	HR 2911		30.2	-36 07	5.5	B5 _e	10-19-27-158-246-251-398-520-587- 599-662-670-693-719-933-1044-1081
60757		848	31.0	-03 09	8.1	B5 _e	835
			31.1	-21 22		B3 _e	347
60855	HR 2921	565	31.4	-14 16	5.6	B5ne	19-246-266-520-605-693-719-724- 835-898-939-953-959-1081
	CD-22°4761	M158	31.5	-22 40	9.9		747
61224	HR 2932	849	33.1	-14 13	6.4	B9 _e	903
		M159	34.7	-31 46	10.0		747
	CD-24°5721	M160	34.9	-24 31	9.8		747
		566	35.0	-12 02	9.6	B0ne	763
	BD-18°1948	M161	35.0	-18 35	10.0		747
	CD-28°4667	M162	35.5	-28 56	9.3		747-759
	CD-30°4887		35.6	-30 33	9.4	B1 _e	347
61778	CD-25°4870		35.8	-25 19	9.0	B _e	347
	CD-25°4885	M163	36.4	-25 35	10.5		747
61925	HR 2968		36.4	-37 21	6.0	B3IVne	17-246-251-266-599-613-719-1044
		M164	36.7	-31 26	10.0		747
62367		567	38.5	-04 26	7.0	B5 _e	835
	BD-20°2137		38.7	-20 42	9.8	B1 _e	347
62413	BD=27°4438	568	38.7	-27 11	10.4	B _e	693-745-1081
			39.2	-29 04		B _e	606
	CD-30°4978	M165	39.2	-30 37	9.3		747
62532	BD-17°2120	569	39.3	-17 42	8.6	B3ne	19-158-266-693-707-939-946-1081
		M166	39.3	-28 14	10.3		
	CD-28°4778	M167	39.9	-28 44	9.8		747
62678	BD-21°2104	571	40.1	-21 15	10.5	B4ne	1081
62728	BD-15°2014	572	40.3	-15 52	8.0	B5 _e	693-719-835-1081
62753		185	40.4	-40 05	6.7	B2ne	19-26-266-587-599-613-719
62780	BD-26°4881	573	40.5	-26 43	9.7	B _e	745-890-1081
	CD-23°6121	M168	41.0	-23 54	9.7		747
	CD-31°5007	M169	41.1	-31 54	10.0		747
	CD-23°6138		41.3	-23 28	10.0	B3 _e	347
	CD-23°6136		41.3	-23 55	10.0	B _e	347
	CD-27°4497	M170	41.3	-28 03	9.8		747
		M171	41.5	-32 33	11.0		747

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
			7h				
63150	CD-25°5038	M172	42.2	-25 23	10.0		747
		850	42.3	-36 16	8.4	Bne	745-763
	CD-26°4955	M173	42.5	-26 27	9.7		747
	CD-29°4930		42.7	-20 54	9.3	Be	763
			43.3	-29 45	9.5	B5e	347
		574	43.4	-13 52	12.5	Be	
63359	CD-26°4982		43.4	-25 09		B2Ve	890
		851	43.4	-26 27	10.0	Be	266-946
			43.6	-26 21	9.5	B5e	347
		M174	43.6	-31 36	10.0		747
		M175	43.7	-31 31	9.7		747
63462	CD-23°6234	M176	43.9	-23 46	10.0		747
	HR 3034	186	43.9	-25 42	4.6	B3e	16-19-21-26-27-86-158-246-251-266-362-577-599-612-719-881-933-939-1081
63419	CD-29°4961	M177	44.1	-29 35	10.0		747
	CD-25°5074		44.6	-25 06	9.5	B5e	347
	CD-26°5045	M178	45.4	-26 45	9.5		747
63804	CD-31°5110	M179	45.6	-31 34	10.0		747
		852	45.6	-33 05	7.9	Be	
	CD-28°4944	M180	46.1	-28 16	9.9		747
64109	CD-27°4612	M181	46.4	-27 10	10.0		747
	CD-31°5144		47.1	-31 11	9.9	Be	347
		187	47.2	+04 05	8.3	B8ne	
64298	CD-28°4976	M182	47.4	-28 14	9.7		747
			48.0	-25 15		Bl:V:ane	890
		575	48.1	-21 45	8.7	B3e	693-1081
			48.2	-26 10		O6:nne	19-822-946
			49.2	+22 16	8.9	sdBe	83-1095
		576	49.7	-24 33	11.2	Be	745
		M183	50.8	-27 30	10.0		747
		M184	51.4	-32 11	10.0		747
		M185	51.7	-27 53	9.7		747-763
		M186	51.7	-29 18	9.7		711-747
65079	CD-29°5159	188	51.9	+03 14	7.7	B3ne	60-61-81-82-161-266-659-835-1056-1081
							747
65176	CD-33°4318	M187	52.3	-33 11	9.5		747
		189	52.4	-01 20	8.1	B5ne	23-60-61-835-1052-1081-1092
	CD-23°6539	M188	52.4	-23 37	10.0		747
	CD-28°5151	M189	53.3	-28 22	9.7		747-759
	CD-28°5154	M190	53.3	-28 26	9.8		747
	CD-32°4657	M191	55.0	-32 17	9.0		747
65818	V Pup		55.4	-48 58		BlV(e)	244-266-682-719-866
	CD-28°5247	M192	55.6	-28 44	10.0		747
	CD-28°5249	M193	55.7	-28 28	9.8		747
65875	HR 3135	190	55.8	-02 36	6.4	B2e	26-61-112-152-158-216-246-251-266-405-662-670-682-719-835-876-947-959-1056-1081
							747
66194	CD-30°5382	M194	55.8	-30 26	9.9		747
	HR 3147		57.1	-60 33	5.9	B3e	246-251-582-719-726-923-933
			58.1	-27 31		Be	763
66700		M195	59.4	-32 17	10.5		747
		191	59.6	-31 24	8.0	B3e	
			8h				
	CD-29°5468		00.4	-29 29	9.4	B5e	347
	CD-30°5559	M196	00.5	-30 41	9.5		747
67632	HR 3195		00.6	-30 44	9.9	Be	763
			01.1	-34 47			359
		854	03.8	-24 18	10.5	B8e	
			04.1	-23 19		B5Ve	19-26-587-599-613
			05.0	-37 23	6.4	B5III	246-251-659-933-1034
			07.1	-63 30	6.1	Be	591-592-740-1081
67698			08.9	-37 10		359	
67888	HR 3217						
68423							

HD	Name	MWC	R.A. 8h	D.	m	Sp.t	Bibliography
68980	HR 3237	192	09.7	-35 35	4.8	B3ne	21-86-246-251-266-362-401-402-520 612-617-670-693-719-933-964-1044- 1081
	CD-27°5181	M197	09.9	-28 01	9.8		747-763
	VV Pup		10.6	-18 45			368-854-1053
69168			10.6	-46 16	7.3	B3I-Ve	26-610-613
69404		193	11.7	-46 10	6.6	B3e	19-27-400-619-693-719
69425		855	11.8	-36 49	9.3	Be	19-266-939
69464	CD-35°4396		12.0	-35 19		Be	19-597
	CD-48°3636		12.3	-48 54	9.9	Be	763
	CD-37°4480		12.5	-37 29	9.7	Be	347
		M198	12.6	-26 37	11.0		747
	CD-25°5838		13.1	-25 42	9.8	Be	763
	CD-34°4650		16.7	-34 12	9.0	B5e	347
70557		856	17.5	-36 32	9.3	B9e	
	CD-37°4605	M199	18.3	-37 11	9.2		747-759
71072		857	20.3	-12 26	6.9	B3e	613-835
		M200	24.8	-39 04	12.0		747
72014			25.4	-42 15	6.7	B3Vne	19-27-619-719
72063		858	25.7	-34 36	8.7	B8e	
72067	HR 3356		25.7	-43 50	5.9	dB3	246-251-1034
		M201	27.5	-27 25	11.0		747
	CD-37°4883	M202	28.8	-37 39	9.6		747
72754	CD-49°3621	194	29.4	-49 16	7.3	Be	763
73658	CD-45°4322		34.3	-45 56	7.3	B1e	347
	CD-44°4636		35.2	-44 30	10.0	Be	347
73834			35.2	-63 16	8.1	B3ne	1092
	CD-45°4393	578	37.5	-45 44	10.0	B0e	19-23-266-586-745-1081
	CD-27°5934	M203	43.8	-27 20	10.0		747
75311	HR 3498	195	44.1	-56 25	4.6	B3ne	22-86-246-251-363-364-393-413-416 577-627-719-881-906-933-957-1044- 1081
	CD-45°4555		44.5	-46 03	10.0	B1e	347
75465			45.0	-46 32		B3Vn?e	19-586
			45.4	-45 43		Be??	606
			47.1	-45 10		B2Vne	19-244-266-586-693
			48.7	-48 36		Bp(Shell?)	586
		M204	49.8	-39 41	11.5		747
76341			50.4	-42 07	7.2	B0Ve	610-613
	CD-41°4637		51.8	-41 13	9.4	Be	763
76868	BD+04°2088	579	53.8	+04 03	7.8	B5e	82-659-835-1081
77320	HR 3593		56.7	-42 47	6.1	B2.5Vn	246-251-266-933-1034
			9h				
78764	HR 3642	196	04.8	-70 08	4.9	B3ne	21-26-246-251-266-363-401-520-599 613-675-719-933-1044-1081
	CD-52°2811		05.3	-52 10	9.1	Be	763
79621	HR 3670		10.1	-46 55	5.9	B9e	17
80077			12.5	-49 33	7.7	B2Iape	19-594-819-939
	HR 3708		15.4	-51 08	5.9	B8pH a e	17
80834	CD-41°5006	580	16.9	-41 45	9.6	Be	19-586-745-763
298369			18.6	-50 45	10.0	B2:Vne	19-266-586
81753	HR 3745		22.4	-28 21	6.0	B8H a e	17
82830	CD-46°5274		29.4	-46 20	9.4	Be	763
83043			30.6	-53 12	8.5	B1V:pe	19-26-27-266-267-524-594-621-693- 819-939
83597			34.5	-53 14	9.3	B1Vpe	19-266-267-594-819-939-1062
83953	HR 3858	197	36.7	-23 08	4.7	B3ne	21-246-251-520-575-622-670-712- 724-835-898-927-933-1081
	CD-48°4982		42.4	-48 13	10.0	Be	763
297625			45.5	-50 41	10.5	B5V: ?e	19-26-27-244-586-622
			50.0	-54 24		B9e?	606
86612	HR 3946	581	54.5	-23 28	6.1	B5e	246-251-933-1092
87399			59.6	-39 05			161

HD	Name	MWC	R.A. 10h	D.	m	Sp.t.	Bibliography
87543			00.5	-61 24		B8Ve	417
87643		198	01.1	-58 11	9.1	B _e	963
304946			06.8	-59 52	10.6	B2(a e)	329
300584			07.5	-56 39	11.2	B(a e)	329
88681	HR 4009	199	08.3	-57 34	6.1	B2e	246-251-266-369-662-670-682-820-933
88648			08.3	-59 23	9.2	B8(a e)	329
88825	HR 4018		09.6	-59 25	6.4	B5Vnne	19-246-251-329-619-693-933
89080	HR 4037		11.4	-69 32	3.3	B7IV	1034
305019			11.8	-60 25	11.2	B(a e)	329
89249		200	12.6	-55 05	9.1	B _e	24-963
302628			13.6	-57 57	9.8	B9(a e)	329
302724			15.8	-58 48	10.8	B0(a e)	329
302661			16.7	-57 20	10.3	B8(a e)	329
89884		582	17.2	-17 32	7.0	B5ne	599-835-1081
89890	HR 4074	201	17.2	-55 33	4.6	B5e	520-610-613-1081
			18.0	-57 36		B _e ?	606
90177		202	19.4	-59 08	7.9	B _e	19-24-611-767-950
90187			19.5	-57 30		Blnne	266-820
90490			21.7	-58 22	6.9	B9(a e)	329
305145			21.8	-59 26	10.5	B8(a e)	329
305137			21.9	-59 17	9.7	B _e (a e)	329
307718			21.9	-61 56	10.5	B(a e)	329
90599			22.5	-58 07	8.5	B9(a e)	329
90657			22.9	-58 08	9.6	B2Ve	19-27-266-621-693
		203	23.8	-57 09	9.2	B _e	
302840			24.1	-57 06	9.7	B(a e)	329-615
302838			24.7	-57 12	9.7	B8(a e)	329
90966		204	24.9	-62 40	6.7	B3e	599
305233			25.7	-59 50	9.7	B8(a e)	329
91120	HR 4123	205	26.1	-31 05	5.5	B9ne a	157-190-416-903-1081
		206	26.7	-71 34		Pec	
305218			26.8	-59 34	10.3	B5(a e)	329
91269			27.1	-60 51		B5Ve	329-417
91359			27.7	-58 47	9.0	B9(a e)	329
		207	28.0	-59 46	8.9	B _e	
91465	HR 4140	208	28.5	-61 11	3.6	B5ne	16-19-21-22-64-86-246-251-363-393-408-413-416-520-559-577-612-617-627-662-670-682-693-719-881-933-1044-1081
92027			32.4	-61 21	7.8	B5(a e)	329
303107			33.9	-58 36	8.8	B9(a e)	329
305382			34.2	-60 00	10.6	B3(a e)	329
303143			35.0	-57 04	7.7	B0(a e)	329
92420			35.1	-57 16	8.0	B2(a e)	329
303216			35.6	-59 04	11.0	B(a e)	329
92714		209	37.2	-58 03	9.4	B _e	19-24-27-64-266-621-693
92759			37.5	-57 09	8.9	B0(a e)	329
305474			37.5	-59 58	10.0	B8(a e)	329
		210	37.6	-60 15	9.2	B _e	
305482			38.1	-60 15	10.7	B5(a e)	329
92964	HR 9148	211	38.9	-58 42	5.4	B1se	19-246-251-397-520-608-662-670-994-1013-1081
93128		212	40.1	-59 02	7.1	B _e	19-26-27-589
93190		213	40.5	-58 46	8.9	B _e	19-26-27-589
93237			40.8	-72 16	6.2	B5Ve	19
303307			42.2	-59 02	10.1	B5 a e	329
93563	HR 4221		42.9	-56 14	5.2	B8	329-931
93618			43.3	-56 38	8.2	B5 a e	329
305635			44.2	-60 10	9.4	Ba e	329
305627			47.2	-60 10	10.0	B a e	329
303492			47.8	-58 27	8.3	B0 a e	329
303451			48.0	-57 38	10.9	B9(a e)	329
94509			49.4	-57 54	8.7	B8 a e	329
303534			50.3	-57 32	9.4	B3 a e	329

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
			10h				
301168			51.7	-58 32	9.5	B8(a e)	329
94878		215	52.0	-59 52	8.5	Beq	24-950
94910	AG Car	216	52.2	-59 55	7.6	Beq	24-45-561-950-1104
305827			53.6	-61 07	10.5	Be a e	329
305836			55.1	-61 17	10.7	B8 a e	329
95826			58.3	-59 59	9.0	B5 a e	329
305891			58.4	-60 17	10.5	B8 a e	329
303763			58.6	-58 47	10.4	B0 a e	329
96042			59.5	-58 54	8.3	O9.5Ve	19-266
			11h				
96261			00.8	-59 10	10.2	B0 a e	329
96685			03.1	-58 10	9.8	B8 a e	329
96728			03.4	-56 07	7.4	B9 a e	329
96788			03.7	-56 15	9.2	B8 a e	329
96892			03.9	-56 59	8.7	B8 a e	329
96864			04.1	-55 56	8.6	Be a e	329
			04.4	-60 11		Be?	606
306085			05.1	-60 10	10.6	B9 a e	329
306070			05.4	-59 59	10.8	B8 a e	329
306082			05.7	-60 14	10.8	B5 a e	329
97151		217	05.8	-59 33	8.0	B2e	266-620-673-730-820
303887			06.5	-57 41	9.3	B5 a e	329
306145			07.0	-59 23	9.5	B2:Vne	19-151-266-586
306205			09.2	-60 43	9.9	B1.5Vne	19-266-586-611
			10.3	-60 46		Be?	606
98624			15.7	-60 41	9.1	B1:Vne	19-64-244-266-1051
98927			17.9	-60 31	9.2	B1.5Ve	19-27-244-266-524-586-611-621-693 730
99354			20.8	-60 43	9.2	B1:IIIne	19-26-266-586-599-611-730
100324			27.5	-67 30	8.9	B3Ve	19-26-27-621-719
	HR 4460		30.0	-53 43	4.8	B8H a e	17
306962			37.8	-59 25	9.6	Bnnep	19-266-611-1051
306922			37.9	-60 56	10.3	Bnne	19-266-611-1051
102567			43.2	-61 39	8.6	B1Vne	19-27-266-611-621-693-1051
102766	HR 4537	218	44.8	-63 14	4.5	B5ne	19-21-64-86-251-363-364-520-577- 587-611-719-957-1081
103715			51.5	-71 06	9.0	B0e	266-621-693
			12h				
105056			00.6	-69 01	7.5	B0I:pe	19-369-939
105382			02.9	-50 06	4.5	B5IVe	624-933
105435	HR 4621	219	03.2	-50 10	2.9	B3ne	4-16-19-21-22-26-38-64-86-124-244 246-251-266-335-362-363-364-393- 413-416-520-559-572-577-612-623- 624-627-662-670-682-719-721-835- 838-881-933-957-1081
105521	HR 4625		03.7	-40 40	5.5	B3	251-266-719-1034
105675		220	04.8	-63 26	9.4	Be	
			06.0	-61 56		Be?	606
106730			11.2	-63 57	8.7	B0e	266-621-693
107348	HR 4696	221	15.4	-21 39	5.3	B8ne	157-409-659-1081
109387	HR 4787	222	29.2	+70 20	3.9	B5e	19-64-65-76-90-112-157-161-190- 222-223-224-231-234-240-285-288- 312-437-439-498-505-506-520-569- 570-624-724-757-807-835-881-906- 917-1035-1081-1111
109857			32.9	-74 49		B8Ve	417
110335	HR 4823	223	36.2	-59 08	5.0	B8e	21-416-520-670-1081
110432	HR 4830	224	36.9	-62 30	6.0	B1ne	19-26-246-251-266-369-416-670-682 719-819-927-933
			42.9	-59 22		B2:Vnne	266-586
	HR 4898		48.7	-56 38		B5Ve	364
112078	HR 4897		48.7	-58 36	4.8	Be	246-251-520
112091	HR 4899	225	48.8	-56 37	5.5	B3ne	4-19-86-244-246-251-363-364-383-

HD	Name	MWC	R.A.	D.	m	Sp. t.	Bibliography
			15h				
142926	HR 5938	584	52.0 52.2	-50 41 +42 51	5.6	B1.5Ve B9e	266-586 54-58-112-125-157-166-187-190-215 624-903-1081
142983	HR 5941	239	52.6	-13 59	4.7	Ape m	4-5-6-7-9-15-19-21-30-37-65-72-75 112-119-157-190-244-246-251-266- 364-413-569-599-674-681-682-696- 716-719-724-757-777-784-795-807- 811-862-877-879-903-920-978-980- 990-1001-1035-1108
143448		240	55.2	-60 13	7.8	B3e	26-571-599-613
			16h				
144320			00.1	-54 51	9.1	B2Ve	19-266-524-621-693-723
	BD+67°522		01.1	+67 03		B3e	421-422-783
144965			03.4	-39 52	7.2	B5(a a)	324
144970			03.4	-48 46	9.7	B0Ve	19-26-27-244-266-586-622-719-727
		M205	05.8	-18 23	11.0		747
145846			08.0	-52 07	9.0	B2Vpe	19-27-249-266-621-693-719-723-819 820
			13.3	-36 24		Be?	606
147756		585	18.6	-45 19	8.6	B4ne	745-1081
			19.5	-51 12		B9e?	606
		M206	19.9	-24 06	11.0		747
148184	HR 6118	241	21.2	-18 14	4.8	B3e	4-19-21-22-26-30-81-86-94-157-244 246-251-266-335-336-343-364-369- 381-394-413-445-447-448-472-483- 506-520-527-538-577-613-624-627- 635-670-682-719-724-741-757-771- 809-819-835-838-858-877-908-920- 927-932-947-957-959-962-1081
			21.6	-24 08	10.5		747
148259	CD-24°12669	M207	21.7	-44 36	7.2	B3e	19-266-605-619-693-719
148379	HR 6131		22.5	-46 01	5.3	B2Ia	17-246-251-668-670-931-994-1013
		586	23.3	-26 13	7.0	B3ep	564-995-1081
148688	HR 6142	587	24.7	-41 36	5.5	B1e	246-251-520-670-994-1013-1081
330950			27.3	-49 19	9.7	B1Ve	19-266-586-593
149298	CD-49°10812		28.7	-49 03	10.3	B2Vne	19-26-27-266-586-593-622
149313	CD-41°10743	862	28.8	-41 55	8.8	B0e	19-352-586
149671	HR 6172		31.1	-68 06	5.9	B7IV	
150193		863	34.3	-23 42	9.1	A0e	
150422			35.8	-49 19		B2Vnne	266-593
		M208	42.3	-35 35	11.5		747
		M209	43.6	-14 13	11.0		747-1027
		M210	45.1	-25 49	11.5		747-1043
151895		242	45.1	-64 04	12.5	Beq	
152235	HR 6261		47.0	-41 50	6.3	B1I	246-251-1034
152236	HR 6262	243	47.0	-42 12	4.9	B1seq	16-19-21-50-246-251-394-413-520- 582-592-605-608-612-627-670-693- 901-994-1007-1013-1060-1081
			47.4	-40 29	8.6	B0III:pne	12-19-244-266-374-939-1060
152291	CD-40°10900	864	47.5	-40 32	8.7	Be	
		M212	48.3	-30 14	10.0		747
152478	HR 6274		48.4	-50 31	6.3	B3ne	266-524-670-693-719-933-1081
		M213	48.5	-30 28	11.0		747
322447		M214	49.4	-40 32	9.3	B0IIIpne	374-747
152667	HR 6283		49.6	-40 40	6.2	B0Iap?	27-246-251-939-1034
322422		M215	50.4	-40 13	9.6		747
	CD-42°11721	865	52.0	-42 33	10.0	Pec	
153222	CD-49°11105	244	52.9	-49 06	9.5	B0e	352
153261	HR 6304	245	53.2	-58 48	6.3	B0e	19-26-266-400-619-670-719-933
153295		588	53.4	-42 10	9.9	Bne	745-1060
	CD-27°11363	M216	54.4	-27 29	9.7		747
153708		866	55.9	-26 11	10.3	B9e	
153879	CD-51°10676	246	56.9	-51 15	8.6	B3e	352
153977		867	57.6	-24 41	9.8	B3e	

HD	Name	MWC.	R.A.	D.	m	Sp.t.	Bibliography
			16h				
154040		868	57.9	-39 11	9.5	B2e	19-26-27-266-621-693-819
		247	58.1	-33 50	12.5	Bep	954
154090	HR 6334	589	58.2	-33 59	4.9	cBle a	19-246-251-352-364-369-520-577-670-693-719-741-1081
154154	CD-48°11424	248	58.6	-48 17	8.6	B0e	352
154165		869	58.7	-26 26	9.4	B9e	
154218		249	59.0	-36 36	7.7	B5ne	
154243		250	59.2	-36 27	8.3	B2e	
326823	CPD-42°7632		59.8	-42 28	9.0	Bpe	266
			17h				
	CD-30°13795	870	00.2	-30 04	9.2	B0e	352
154450		251	00.4	-35 37	8.5	B0e	266-369-853
		M217	00.8	-33 57	13.0		747
		M218	01.0	-27 05	11.0		747
154911	CD-38°11593	871	03.2	-38 30	9.0	B0e	27-266-352-524-621-693-819
326971		M219	03.4	-41 45	11.0		747
		M220	03.8	-27 08	12.0		747-950
155313			05.6	-33 49	10.2	B9pe	552
		M221	05.7	-32 28			747
155349		872	05.9	-32 02	9.2	B8e	321-552
		M222	07.4	-38 52	10.5		747
			08.0	-32 15	12.1	B8Ve	552
327083	CD-40°11253	873	08.3	-40 13	9.6	Be	767
155851	CD-32°12518	253	09.0	-32 34	8.0	B0ne	266-320-321-352-369-552-980
155896		874	09.2	-42 14	7.0	B5e	
	CD-37°11439	875	10.6	-37 40	9.7	Be	
156325	HR 6422	254	11.8	-32 27	6.4	B6ne a	321-416-552-613-1081
	CD-38°11746	M223	12.1	-38 43	10.0		747
156409		M224	12.3	-39 42	9.3		747
156468		255	12.6	-37 54	8.0	B2e	
156633			13.6	+33 12	4.9	B3be	124
			13.8	-35 38	10.5	B0.5:Ve	552
	CD-35°11482	256	13.8	-35 39	9.6	Be	320
156702		257	14.0	-38 33	8.4	B5e	
		M225	14.1	-37 54	11.0		747
156831		590	14.6	-24 10	9.2	B8e	
		M226	15.1	-30 15	10.0		747
	CD-32°12653	M227	15.2	-32 59	9.7		747
		M228	15.2	-38 03	10.0		747
157042	HR 6451	258	15.8	-47 23	5.5	B3ne	16-246-251-266-520-562-612-617-670-693-719-933-1081
157056	HR 6453		15.9	-24 54	3.4	B3	592-1002
157099		876	16.1	-42 44	9.1	B5e	
	CD-38°11806	877	16.2	-38 59	9.0	Be	
323077		M229	16.6	-37 54	9.7		747
157246	Gamma Ara		16.9	-56 17	3.3	B1Vek	612-613
	CD-38°11837	878	17.8	-38 37	9.9	Be	
			18.7	-05 18	11.4	OBh	263
	CD-40°11454	M230	19.8	-40 09	9.9		747
157832		259	20.5	-46 57	7.3	B2e	266
157869		879	20.7	-38 17	10.0	B5e	
158319		260	23.5	-16 31	8.7	B5ne	693-1081
	CD-33°12119	M231	23.8	-33 40	9.7		747
158427	HR 6510	261	24.1	-49 48	3.0	B3ne	16-19-21-22-64-244-246-251-266-362-520-559-572-577-613-623-670-682-693-719-933-1081
323771		M232	27.1	-39 19	10.5		747
	CD-22°12093	M233	27.3	-22 47	10.0		747-759
317861		M234	27.5	-32 36	9.5		747
159071		880	27.5	-33 33	10.2	Be	
159546		881	30.2	-14 09	10.4	B8e	
	HD-22°4376	882	30.3	-22 43	11.0	Be	
159684	CD-35°11750	262	30.9	-35 17	7.6	B2e	352
159845		883	31.7	-24 54	8.6	B8e	

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
			17h				
159848		884	31.7	-37 51	9.4	B5e	
160095		263	32.9	-33 29	8.7	B8e	
		M235	33.1	-18 14	11.0		747
160202		264	33.5	-32 09	6.9	B1ne	599-613
		591	33.6	-47 00	12.0	Pec	
160319			34.1	-28 52	7.3	B8	
320483		M236	36.6	-35 13	10.5		747
		M237	36.9	-15 22	14.6		747
316179		M238	37.1	-27 13	8.9		747
160886		885	37.3	-18 16	10.0	B5e	1081
		M239	37.4	-22 43	12.0		747
		M240	37.8	-08 55	11.0		747
161004		592	38.0	-27 25	8.1	B6ne	322
161044		267	38.2	-46 03	11.0	Beq	561
		M241	38.4	-38 14	12.0		747
161103	BD-27°11872	268	38.5	-27 12	7.9	B0ne	19-266-322-369-673-790-800-819-946
	CD-25°12254	M242	38.7	-25 12	10.0		747-759
161261	BD +05°3471		39.4	+05 46	8.3	Shell	912
		270	39.5	-30 10	11.5	Beq	322
161306		271	39.7	-09 46	8.3	B0ne	19-27-263-266-605-622-693-719-819-835-1081
	CD-32°13309	886	40.2	-32 35	10.0	Be	
		M243	40.3	-28 03	11.0		322-747
161543		887	41.0	-01 06	8.5	B5e	
161660	BD +06°3525		41.7	+06 10	7.7	B7V(shell?)	912
		272	41.9	-27 59	9.0	Beq	322-668-979-1103
	CD-30°14724	888	41.9	-30 28	9.7	B5e	322
	CD-28°13607	889	42.1	-28 47	10.0	Be	322
161756			42.2	-26 57	6.2	B3V(e?)	19-266-719-820
316341			42.2	-29 56	9.7	B0.5V(pe?)	19-266-800-946
161774		890	42.3	-33 50	8.7	B8e	
161807			42.5	-38 57		B3Vne	613
	CD-28°13624	891	42.6	-28 57	11.0	Be	322
		M244	42.9	-29 44	10.5		747
		593	43.0	-24 12	9.4	B0ne	
316436			44.8	-30 08	10.2	B3:pe?	19-244-266-800-946-1045
316464			44.8	-30 37	10.6	B1Ve?	19-266-800-946
		M245	45.0	-22 17	11.0		747
316375		M246	45.4	-27 57	9.2		747-1045
	CD-24°13552	M247	45.6	-25 01	10.0		747
316520		M248	45.7	-28 45	10.0	B5:nn(e)	19-747-790-800-946
316587		M249	45.8	-29 54	10.5	B1:n(e)(V)	19-266-747-790-800-946
162428		594	45.9	+24 29	7.0	B9e	112-161-170-216-556-903-1081
	CD-22°12292	M250	45.9	-22 59	10.0		747
316589			45.9	-30 02	10.6	B2nne	19-266-800-946
162568		893	46.5	-42 53	8.1	B8e	
	CD-28°13765	M251	46.9	-28 56	9.7		747
162717			47.3	-24 15	9.5	B3e	355
162718		273	47.3	-24 45	9.0	B0ne	19-266-355-369-673-719-745-819-853-946-1081
162732	HR 6664		47.4	+48 25	6.4	B8e	47-903-1020
316608		M252	47.8	-30 12	9.8		747
	CD-29°14172	M253	48.3	-29 43	9.6	B2pe(IV-V)	19-266-747-800-819-946
163007			48.8	-46 41	7.5	B5Vnek	1092
163161	CD-32°13517	274	49.7	-32 27	6.6	B1se	83-211-212-693-722-889-1081
		M254	50.1	-27 37	10.5		747
		M255	50.5	-35 14	12.0		747
		M256	50.7	-34 09	12.0		747
163453		895	51.1	-28 14	10.4	Be	19-266-790-800-819-820-946
163454	CD-30°14987	276	51.1	-31 00	7.9	B1ne	19-266-790-800-946
163514		M257	51.4	-18 11	9.2		747
		M258	51.7	-24 11	10.5		747-759
	CD-25°12499	M259	52.0	-25 13	10.0		747
163689		896	52.3	-36 39	10.4	B8e	

HD	Name	MWC.	R.A.	D.	m	Sp.t.	Bibliography
			17h				
163727		898	52.5	-38 12	10.4	B9e	
318710		M260	52.6	-31 18	10.5		747
163777			52.8	-25 10	9.5	B a e	355
		M261	53.3	-25 03	10.5		747
163868		277	53.3	-33 24	7.2	B2ne	
		M262	53.5	-33 52	12.0		747
164105			54.5	-24 40	9.2	B3 a e	355
312462		M263	54.7	-17 39	10.0		747
316870		M264	55.0	-29 40	9.7		747
		595	55.1	-22 15	9.4	B0ne	
316989		M265	55.1	-29 19	9.8		747
164246		900	55.1	-39 39	9.0	B8e	
164284	HR 6712	278	55.3	+04 22	4.8	B5ne	19-21-26-37-61-112-157-161-166- 266-281-285-312-338-406-483-505- 506-520-598-624-647-659-719-750- 795-807-835-959-1081-1114-1115 37-190-483
	HR 6714		55.6	+02 56		cB5e	
324802		M266	55.7	-37 31	10.5		747
		M267	55.9	-23 41	9.5		747
164447	HR 6720	279	56.1	+19 31	6.4	B9e	19-112-161-216-624-843-903-1081
		M268	56.3	-23 34	10.0		747
	CD-25°12608	901	56.4	-25 42	9.6	Be	
164533		902	56.5	-19 36	9.8	B8e	
			56.7	-18 05		Be??	606
		M269	56.8	-32 42	12.0		747
164703		903	57.3	-22 18	9.8	B5e	1081
164741			57.5	-25 19	9.5	B1 a e	355
164797		904	57.7	-27 45	10.0	B8e	
164865			58.1	-24 11	8.3	B a e	355
	CD-23°13851	905	58.2	-23 28	10.5	Be	
164906		280	58.3	-24 24	9.0	B0ne	19-26-27-244-266-267-353-369-620- 719-789-819-916-939-1081
164947			58.5	-24 21	10.0	B5 a e	355
164950		906	58.5	-26 01	9.2	B3e	
164971			58.6	-23 28	9.7	B a e	355
164993			58.7	-23 36	9.5	B8 a e	355
165132			59.4	-23 43	8.3	B3 a e	355
165133			59.4	-24 12	10.4	B9 a e	355
		M270	59.6	-24 21	11.0		747
313820		M271	59.7	-22 18	10.0		747
			18h				
165285		281	00.1	-19 58	8.7	B2ne	19-266-693-939-946-1081
		M272	00.8	-29 14	11.5		747
315178			00.9	-25 17		B8 a e	355
	BD-08°4559	M273	01.0	-08 11	9.6		263-747
315177		M274	01.0	-25 17	9.9		747
165517		907	01.2	-25 07	8.6	Be	353-819-1081
317086		M275	01.2	-28 52	10.0		747
			01.7	-18 27			356
		M276	02.1	-41 14	11.5		747
		M277	02.2	-19 26	10.0		747
		M278	02.4	-22 18	11.0		747
165895		M279	03.1	-24 43	10.9		747
165952		908	03.3	-26 21	9.5	B5e	
		M280	03.3	-33 20	12.0		747
165970		909	03.4	-19 45	9.4	B5e	
166188		282	04.4	-18 13	9.4	B2e	19-27-266-507-693-719-745-939- 1081
		M281	04.4	-27 59	12.0		747
	DQ Her		04.7	+45 51		edBe	83-462
		M282	04.7	-28 35	12.0		747
166345		910	05.1	-32 26	8.6	B8e	
			05.2	-19 33			356
		M283	05.2	-28 24	11.0		747

HD	Name	MWO	R.A. 18h	D.	m	Sp.t.	Bibliography
166443		596	05.4	-18 18			356
		M284	05.5	-20 44	8.7	B0e	19-266-621-693-939-946-1081
315277			05.7	-29 36	11.0		747
166524			05.8	-25 10		B a e	355
			05.9	-18 25		B07Vpe	19-266-507-939-946
166566		M285	06.1	-14 52	10.0		263-356-747
166568		284	06.1	-15 42	8.1	B1se	266-719-1081
	OD-25°12867	597	06.1	-18 45	10.3	B2e	19-266-507-639-693-1081
166612		M286	06.1	-25 11	10.0		747-759-835
166629		M287	06.3	-28 16	7.4		747
		911	06.4	-27 10	10.7	B9e	
			06.5	-15 34	9.4	B1(V)ne	19-507
166666		M288	06.5	-28 21	12.0		747
		285	06.6	-15 36	9.4	B2e	19-244-263-266-351-693-810-946-1081
		M289	06.7	-11 39	10.5		747
		M290	06.7	-32 21	12.0		747
166734		286	06.9	-10 46	8.3	B0e a	19-27-97-105-946-1010-1036-1081
			07.1	-18 24			356
			07.2	-15 35			356
312984		M291	07.3	-20 34	9.8		356-747
319139		M292	07.6	-32 50	9.7		747
			07.7	-19 50		Be	356
166937	HR 6812	598	07.8	-21 05	4.0	oB8e a	19-21-27-50-64-94-157-190-204-333-394-408-515-520-592-596-627-670-770-900-947-982-1010-1081
166967		912	07.9	-25 20	8.7	B5e	
		M293	08.2	-29 51	11.5		747
167128	HR 6819		08.7	-56 03	5.5	B3V	17-246-251-933
167233			09.1	-36 37	7.0	B3Ve	610
			09.4	-15 01		Be	356
167311		599	09.5	-12 32	8.3	B2ne	19-507-693-835-1081
			09.6	-18 57		Be	356
		M294	09.6	-27 56	11.0		747
		M295	09.6	-30 54	12.0		747
			09.7	-18 58			356
		287	09.7	-20 23	9.0	B0ne	19-266-939-946
167362		288	09.7	-30 54	11.8	Pec	954
		M296	10.0	-00 21	10.5		747
			10.1	-15 01		B a e	356
		M297	10.3	+20 58	10.0		747
	AR Pav	600	10.3	-66 07	9.0	Beq	23-581-1081
		M298	11.0	-17 01	10.5		747
		M299	11.0	-28 12	10.0		747
			11.3	-15 13		B a e	356
167722			11.4	-19 46	9.0	B5 a e	355
167775		913	11.6	-29 18	8.5	B8e	
			11.7	-19 11		B a e	356
315482			12.0	-25 09		B5 a e	355
168056		M300	12.8	-24 08	11.0		747
		915	12.8	-28 16	10.0	B9e	
			12.9	-19 02		OB a e	356
		916	13.0	-13 49	10.1	B0.5:V:ne	19-244-263-266-267-810-857-946
168135		289	13.2	-12 29	8.1	B8ne a	
168144		917	13.2	-38 51	9.9	B8e	
			13.4	-09 58		OB a e	356
	HD-13°4933		13.4	-13 53	9.8	Be	857
			13.5	-13 46		OB a e	356
	HD-13°4936	918	13.5	-13 59	9.4	B1:V:ne	19-244-263-266-267-351-507-810-857-946-953
168229		290	13.6	-18 16	9.7	B1ne	19-266-507-939
168251		919	13.7	-32 23	8.3	B8e	
		M301	14.0	-24 18	12.0		747
168331		920	14.0	-25 00	9.2	B5e	
	BD-05°4630	921	14.9	-05 06	9.3	Be	

HD	Name	MWC	R.A. 18h	D.	m	Sp.t.	Bibliography
		M302	15.0	-31 35	12.0		747
			15.5	-15 53		B a e	356
		922	15.6	-13 04	12.5	Bep	
168709		923	16.0	-24 57	8.9	B8e	
168797	HR 6873	601	16.5	+05 24	6.0	B5ne	94-112-216-266-267-415-598-605-624-693-719-835-959-1056-1081
168897		924	17.0	-17 30	9.7	B0e	19-266-507-939
168957		292	17.3	+25 01	6.9	B5e	61-112-123-161-216-266-293-570-598-719-835-1051-1081
			17.3	-13 19		B a e	356
169033	HR 6881	602	17.6	-12 03	5.7	B8e	112-903
		603	18.0	+23 24	11.0	Be	831-1120
	BD-09°4713	926	18.4	-09 57	8.5	B2e	19-263-266-835-939-946
			18.4	-11 12	11.3	OBh	263
169226		293	18.6	-12 15	9.1	Beq	451-453-939
167273		927	18.8	-18 48	9.9	B0e	507
		M303	18.8	-25 45	11.0		747
	CD-28°14567	M304	19.2	-28 39	11.5		747
	BD-14°5037	928	19.4	-14 42	8.2	B0e	19-835-939-946
169454		294	19.6	-14 02	6.8	B0se	94-97-157-190-285-451-453-524-769-770-835-946-997-1007-1010-1081
			19.7	-06 12		B a e	356
169515	RY Sct	295	19.9	-12 45	9.0	Pec	19-23-83-95-263-451-453-456-507-938-939-1081
169587		929	20.2	-34 03	9.9	B9e	
	BD+16°3492	M305	20.4	+16 01	8.7		747
			20.8	-11 16	12.1	OBh	263
		930	21.0	-07 16	11.0	B8e	
	BD-14°5047	931	21.0	-14 42	10.0	B0e	507
169753	RZ Sct		21.1	-09 15		B2	337-464-707-833-845-1003-1019-1069
	BD-08°4607		21.2	-08 43	9.5	OBh	263
169805		296	21.3	-19 01	8.7	B1ne	507
		M306	21.5	-12 26	11.0		747
	BD-14°5055	932	21.7	-14 42	9.8	B3e	355-507
			21.9	-18 08		OB a e	356
		297	22.4	-03 55	11.0	Be	263
170061		298	22.4	-14 47	10.6	B0ne	19-263-266-351-507-693-810-939-946-997-1081
170097	BD-16°4888		22.6	-16 46	8.5	B1Vne	1056
170146		933	22.8	-34 35	8.6	B9e	
			22.9	-09 12		B a e	356
170235	HR 6929	299	23.2	-25 19	6.2	B2e	27-94-246-266-267-369-599-613-670-719-835-1081
		300	24.0	-06 09	10.0	Bep	356-950-984
		M307	24.1	-13 22	11.0		747
			25.2	-07 35		OB a e	263-356
170638		934	25.4	-30 08	8.5	B5e	
170682			25.6	-19 14	8.6	B8e	646
	CPD-19°6889	M308	25.7	-19 20	11.0		747-891
170714			25.8	-05 51	7.3	B1Vne	1056
	BD-19°5044	935	25.8	-19 11	9.1	B3e	
			26.7	-11 22	9.7	B1:V:pe	19-263-266-507-939-946
171012		301	27.3	-18 26	7.0	B0se a	94-835-1081
171054			27.4	-13 59	9.0	B1Vpe	19-263-266-351-693-946
171032		937	27.4	-27 34	8.9	B8e	
			27.9	-10 29		B a e	356
		M309	27.9	-13 58	10.5	B1Vpe	263-356-747-810
		M310	28.1	-05 03	10.0		747
			28.1	-10 41		B a e	356
171219		938	28.4	+05 23	8.0	B8e	903
			28.4	-09 00			356
		939	28.5	-17 41	12.0	B3p	
			29.2	-12 31		B a e	356

HD	Name	MWC	R.A. 18h	D.	m	Sp.t.	Bibliography
171348		302	29.3	-22 10	8.1	B3e	266-524-693-719-835-1081
171406	BD+30° 3227		29.6	+30 49	6.4	B3	117-624
		M311	29.7	-03 35	11.0		747
			29.9	-06 13		B a e	356
171469		940	29.9	-15 48	9.4	B2e	1081
		M312	30.4	-11 14	11.0		747
	BD-08° 4648		31.1	-08 31	9.5	OBh	263
		941	31.1	-09 10	9.6	Be	
171754		942	31.4	-19 29	8.5	B8e	
171757		943	31.4	-28 05	8.9	B2e	
171780	HR 6984	604	31.6	+34 22	5.9	B5ne	94-112-123-266-520-598-624-719-835-1051
			31.6	+17 40	10.5	OB(1e)	261
		M313	32.0	-22 47	11.5		747
			32.1	-07 37		B a e	356
172175		605	33.6	-07 57	9.4	BO ne	26-939-1081
	BD-13° 5061	M314	33.8	-13 57	9.2		351-747
172252		947	34.1	-11 58	8.7	BO e	19-263-266-351-693-719-810-819-939-946-1081
172256		606	34.1	-22 45	8.9	B5 e	1081
	BD-04° 4534	948	34.3	-04 41	9.4	Be	263-323
			34.3	-06 46		B a e	356
172324			34.5	+37 21	8.0	Be	947-998
			34.5	-08 32		B a e	356
			34.6	-08 31		B a e	356
		M315	35.6	-05 33	10.5		747
	BD-13° 5073	949	35.7	-13 57	9.2	B3e	19-263-266-351-810-946
	BD-13° 5074	950	35.9	-13 30	9.3	Be	263
172579		951	35.9	-39 23	7.1	B8e	
172694		303	36.5	-15 57	8.3	Bpe	27-266-693-719-765-835-980-1056
			36.6	-06 54		B a e	1081
		M316	36.6	-21 23	12.0		356
			37.4	-03 13		B a e	747
		M317	37.5	-03 35	11.0		356
			37.5	-05 14		OB a e	747
		M318	37.6	-05 14	10.5	OBh	356
			37.8	-06 37	12.0	OBh	263-747
		M319	38.0	-05 11	11.0		263
173010		952	38.1	-09 26	9.1	B3e	747
		953	38.3	-03 54	10.0	BOe	19-263-810-886
173208		954	39.0	-28 13	10.7	B8e	323-356
173219		304	39.1	-07 13	8.3	HIe	19-152-263-266-551-693-719-835-939-946-1051-1081
		M320	39.2	-03 54	11.0		747
173292		955	39.4	+11 06	8.4	B3e	
173371		956	39.8	-00 29	6.8	B8e	903
		957	40.5	-23 33	13.0	Be	954-970
173530		958	40.7	+04 29	9.0	B9e	
	BD-15° 5090	959	41.1	-15 06	9.4	Be	
173637		607	41.2	-08 02	9.2	BOe	263-1081
	BD-11° 4747	M321	41.5	-11 47	9.3		747
		M322	41.7	-02 12	10.5		747
		960	42.0	-20 12	12.0	Be	
173817		961	42.2	+02 30	8.7	B8e	
173938	BD-12° 5173	962	43.0	-12 25	9.9	B8e	263
173948	HR 7074	963	43.0	-62 18	4.4	B2e	19-26-64-86-246-251-266-441-520-559-577-612-613-621-719-746-906-957-1081
		M323	43.2	-06 48	12.0		323-747
174105		305	43.8	+15 17	6.9	B8ne	112-161-216-903-1114
		M324	43.8	+10 29	10.0		747
174107			43.8	+00 28		edBe	83-211
	CD-26° 13521	M325	43.8	-26 31	9.5		747
174237	HR 7084	608	44.5	+52 53	5.8	B5e	112-123-157-161-175-183-215-266-

HD	Name	MWC	R.A. 18h	D.	m	Sp.t.	Bibliography
		M326	45.1	-13 38	12.0		520-598-719-835-1081
			45.3	-05 53	10.0	B?(a e)	747
	BD-09°4858	964	45.5	-09 57	9.0	B2e	323
174513		609	45.7	-07 54	8.9	B1e	263
174571	BD+08°3866	610	46.0	+08 35	8.4	B2e	19-27-263-266-693-939-1081
174612		965	46.2	-24 07	9.5	B9e	19-266-693-719-835-946-1081
174638	HR 7106	306	46.4	+33 15	4.0	Bep	64-87-101-206-207-209-218-239- 248-300-301-423-424-427-444-446- 452-456-540-560-631-632-640-683- 691-694-695-697-703-707-715-802- 803-804-846-848-849-863-872-914- 930-932-947-969-987-990-1004- 1006-1008-1010-1016-1017-1022- 1024-1055-1066-1075-1081-1099- 1118
174652		966	46.4	-20 26	8.9	B9e	
174705		967	46.7	-11 45	7.9	B3e	27-693-835-1056-1081
174775		968	47.1	-19 47	8.7	B8e	
		M327	47.2	-24 30	11.5		747
174886		307	47.7	-10 21	8.1	B3e	60-61-266-693-719-835-1081
	SV Sct	M328	48.0	-14 19	12.0		747
	FN Sgr	M329	48.0	-19 07	9.0		747
	CD-32°14673	M330	49.1	-32 23	9.8		747
			50.1	-00 27		B a e	356
175511	BD+59°1926		50.6	+59 33	6.7	B9	117
	BD-03°4416	969	50.7	-02 57	9.3	Be	323-351
	BD-02°4786		50.9	-02 45		B a e	263-356
175754		611	51.7	-19 17	7.0	B0ne	19-26-27-94-682-770-835-939-1081
	BD-05°4819	M331	51.9	-05 39	10.3		19-266-351-747-810-974-1092
175863		308	52.3	+59 53	6.9	B4e	19-61-112-216-286-312-506-835- 1051-1081
175869	BD+02°3738		52.3	+02 26	5.6	B8	117-1114
			52.4	-04 27		OHh	263-358
230211	BD+14°3720	612	52.9	+14 16	9.4	B4e	693-745-1081
	BD-05°4823	M332	52.9	-05 38	9.4		747-759
			53.1	+07 55		B a e	356
	CD-23°14922	M333	53.6	-23 50	9.1		747
76159		971	53.8	-07 17	8.7	B9 e	
		M334	55.8	+17 07	11.5		747
		M335	56.4	+02 28	10.0	OHh	263-747-759
	BD+00°4080	M336	56.4	+00 29	9.5		747-759
176744		972	56.6	-13 02	9.9	B8e	
177015		309	57.7	-20 16	7.6	B3e	835-1081
		M337	58.0	-17 08	10.5		747
177291		973	58.9	-18 51	8.7	B8e	797-980
		M338	59.3	+16 18	11.5		747
230579	BD+10°3774	975	59.4	+10 58	9.2	B3e	19-261-263-266-353-719-810-946- 1051
177427		976	59.5	-29 14	6.9	B8e	
			19h				
177648		310	00.5	+23 11	6.9	B3e	61-112-123-216-266-267-598-605- 624-693-719-835-1056-1081-1114
			00.9	+02 41		OHh	263
		M339	01.3	+03 08	10.0		263-747-759
	BD+24°3632		01.8	+24 38	9.4	OB(ce, le)	261
	BD+21°3662		02.1	+21 30	10.4	B7V	861
178175	HR 7249	311	02.4	-19 27	5.4	B3e	19-26-94-246-251-266-267-520-719 741-751-807-835-959-1081
178515		977	03.8	-03 30	8.9	B9e	323
230767	BD+10°3799	M340	04.3	+10 57	10.6	OHh	263-747
			04.3	+02 20		B a e	356
230780	BD+14°3803	613	04.7	+14 58	9.4	Be	441-1081
		M341	04.7	-02 57	11.0		355-747

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
			19h				
		M342	04.8	-12 46	10.0		263-747
	BD+02° 3806	M343	05.4	+02 45	9.5		747-759
179218	BD+15° 3721	614	06.6	+15 37	7.2	B9e	54-161-903-1081
179405		615	07.3	-06 38	8.6	B5e	263-693-1081
			07.6	+06 27			358
230909		979	08.9	+17 10	10.0	B5e	
349853		M344	09.0	+19 47	9.5		747
		M345	09.6	+17 21	11.0		747
		M346	09.8	+17 11	10.5		747
			09.9	+01 24		OB a e	263-356
		M347	10.1	+04 43	9.8		263-747-759
	BD-09° 5069	M348	11.0	-09 14	10.0		747
180398	BD+12° 3861	312	11.3	+12 56	7.7	B3ne	43-60-61-161-693-835-1051-1081
		M349	12.2	+14 23	9.5		356-747
		M350	12.8	-11 16	14.0		747
		M351	13.1	+14 05	11.0		747
	BD-02° 4932		13.2	-02 19	10.4	OBh	263
181182	HR 7326		14.4	+19 26		B9e +gG2	188-624-1014
		M352	14.5	+15 59	11.0		747
181231		980	14.6	-00 13	8.7	B9e	
181308		981	14.9	-01 46	8.5	B8e	
181367		982	15.1	+02 09	9.3	B8e	
			15.7	+08 20		B a e	356
		M353	15.8	+10 51	11.5		747
181606		616	16.0	+07 10	9.8	B8e	
231193		983	16.1	+17 05	9.9	B8e	
344191		M354	16.2	+24 04	9.4		747
181709		984	16.4	+05 14	8.7	B8e	
181803		617	16.8	+08 41	8.9	B9e	
	BD+14° 3887	314	17.0	+14 42	9.5	Peo	176-261-266-939-946
			17.2	+29 06	11.4	OBle	261
		M355	17.8	+11 47	9.8		263-747
	BD+04° 4082	986	17.8	+04 24	9.3	Be	
			18.6	+13 40	12.5	OBle	261
			18.8	+13 23	12.5	OBle	261
		M356	19.0	+24 16	10.0		747
	HF Cyg	315	19.9	+29 29	10.0	Bep	48-103-113-534-991-1081-1119
	BD+22° 3687	316	20.5	+22 35	8.6	B2e	19-261-266-693-719-939-946-1081
			22.5	+08 53		B a e	356
			22.6	+20 37		OB a e	356
183143	BD+18° 4085	317	23.0	+18 05	6.9	B9se a	61-216-453-682-741-946-1081
183362	HR 7403	318	24.1	+37 44	6.4	B3ne	112-216-266-267-598-605-624-693-719-835-959-1056-1081
			24.6	+05 06		OB(1e)	263
		M357	24.7	+26 58	11.0	OBle,h	261-747-759
183656	HR 7415	988	25.5	+03 14	6.3	B6pe	19-112-415-775-784-850-903-981-990-1081-1108-1114
183914	HR 7418	618	26.7	+27 45	5.4	B9e	97-112-157-566-624-880-903-1081
231745		989	28.2	+16 12	9.8	B5e	
184203		990	28.2	+03 28	9.8	B9e	
			28.3	+16 49	11.1	OBle	261
184279		319	28.6	+03 34	6.8	B2se	94-97-112-216-266-267-624-719-741-765-835-1081
	BD+53° 2262	M358	30.6	+53 40	9.4		747
		M359	31.0	+23 06	10.0		356-747
185037	HR 7457	619	32.2	+36 43	5.9	B9e	112-157-903-904-1081
	BD+29° 3660	991	32.2	+29 36	9.2	B3e	
			32.7	+33 33	10.1	B3	861
	BD+19° 4095		34.3	+19 54	10.4	OBle,r	261
	EM Cyg		34.7	+30 17			791-1053
			35.0	+13 39	11.4	OB(1e)	261
	BD+13° 4091		35.1	+13 49	10.5	OB(1e)	261
			35.9	+22 18		OB a e	356
		992	36.0	+25 03	9.5	B0e	
	BD+28° 3434		37.3	+28 55	8.5	B1e	81-82

HD	Name	MWC	R.A. 19h	D.	m	Sp.t.	Bibliography	
186296	HD+22° 3778	993	38.4	+00 26	8.3	B5e	81-82	
			38.5	+22 19	9.2	Be	19-266-353-440-810	
			39.2	+21 54	12.3	B6V	861	
186456	HD+23° 3759 HD+23° 3761 HD+05° 4285 HD+17° 4087 HD+17° 4100	620	39.4	+07 21	7.7	B3ne	136-161-174-266-693-719-835-1081	
			40.6	+29 29		B a e	356	
			40.6	+27 37	11.9	OB a e	356	
		41.0	+23 48		Be	719		
		41.2	+24 04	8.8	B0:e	719-1051		
		41.3	+05 44	8.5	B5ne	60-61-693-835-1051-1081		
		41.4	+18 22	11.0		747		
		42.5	+17 59	10.4	B7IIIe	19-261		
		43.3	+19 40		OB a e	356		
		43.4	+24 38		B a e	356		
	43.8	+17 59	9.4	B3e				
	44.3	+27 34		OB a e	356			
350485	HD+29° 3754	M361	44.4	+19 54	9.3		747	
187350		621	44.4	-01 21	8.7	B0e	263-1052-1056-1081	
187399		321	44.7	+29 10	7.7	B9e	19-161-204-436-451-453-900-903-930-939-980	
						B a e	356	
187567	HR 7554	322	45.0	+30 24		B a e	356	
			45.5	+07 39	6.4	B3ne	216-266-267-410-524-598-605-624-659-693-719-720-751-835-959-1056-1081	
225985	HD+32° 3583	995	45.7	+32 43	9.3	B0e	19-261-266-939-946	
			45.7	+23 34		B a e	356	
			46.4	+25 38	13.5		861	
		415	46.5	+35 26	11.0		103-534-991-1119	
				46.6	+25 45		OB a e	356
187811	HR 7565	323	46.8	+22 21	4.9	B5ne	81-123-124-157-161-266-284-312-581-598-624-719-750-835-964-1081	
226100		M362	46.9	+34 14	10.4		747	
338970		M363	46.9	+26 53	9.4		747	
345105		M364	46.9	+22 51	10.0		747	
				47.4	+26 53		OB a e	356
				47.7	+27 04	13.4	OB	861
350799		M365	47.8	+18 06	11.0		747	
		996	48.2	+22 26	11.0	B5e	356	
		622	48.4	+29 34	12.0	Be		
333003		M366	48.5	+28 44	10.5		747-759	
				48.6	+27 31		B a e	356
345122	HD+21° 3959	M367	48.6	+21 59	9.4	B2Vpe	19-266-267-594-747-759-810-946	
		M368	48.7	+28 31	10.0		747-759	
	BS Cyg	M369	49.2	+53 26	11.0		747	
	HD+19° 4198		49.3	+19 13	9.8	OBce,le	261	
			49.9	+28 49		Ob a e	356	
			50.2	+23 05	11.6	OB(le)	261	
			50.6	+23 16		OB a e	356	
	EY Cyg		50.7	+32 06	11.4	sdBe	83-1095	
	HD+26° 3723	M370	51.1	+39 32	11.0		747	
		324	51.1	+26 19	8.7	B5ne	82	
		M371	51.9	+26 31	11.0		356-747	
				52.1	+22 01		B a e	356
			623	52.5	+30 49	10.5	Bep	140-176-261
351123		M372	53.1	+17 06	9.0		747-759-775	
				53.1	+14 59	12.4	OBle,rr	261
		M373	53.6	+39 33	12.0		188-747-797-902-915-922-965-1059-1083-1084-1085-1086-1087-1-88	
			53.6	+30 36		B a e	356	
226857		997	54.5	+35 54	9.9	B3 e	503	
			54.6	+29 26		OB a e	356	
			55.0	+33 23	11.5	OB a e	356	
		55.3	+32 18		OB a e	356		
		M374	55.3	+31 11	11.0		176-453-747	
		M375	55.4	+31 37	10.5		747	
189687		HR 7647	624	56.2	+36 46	5.2	B3e	81-112-157-215-266-520-598-605-

HD	Name	MWO	R.A. 19h	D.	m	Sp.t.	Bibliography
189689		625	56.2	+32 31	7.2	B8e	624-693-719-835-1081
			56.3	+21 58	11.6	OBle	54-58-161-903-1081
			56.3	-12 58	11.0	OBh	261
	HD+29° 3842		56.6	+30 06		BIV:e?	263
			57.3	+26 25		B a e	19-261-266-693-946
		M376	57.5	+36 03	10.5		357
		626	58.0	+29 18	9.1	B5ne	747
			58.1	+33 01		OB a e	356
190150		998	58.5	+21 34	8.0	B9e	903
		M377	58.6	+36 25	11.0		747
	HD+34° 3850		58.6	+35 02	9.4	OBce(1e)	261
	HD+28° 3598		59.1	+28 25	10.4	OBce,1e,r	261
227319		999	59.2	+37 25	9.5	B5e	
			59.2	+29 34		OB a e	356
331808		M378	59.4	+31 01	10.5		356-747
	HD+29° 3874		59.8	+29 28	12.2	OB	861
	HD+25° 4083		59.8	+25 59	9.6	OBle	261
			20h				
190467	HD+36° 3841	1000	00.0	+36 08	8.0	B3e	19-153-835-1081
190603	HR 7678	326	00.7	+31 56	5.7	B0se a	58-94-137-157-190-285-333-370- 437-453-520-567-598-634-653-741- 821-835-946-947-1081
		M379	00.8	+37 02	10.0		747
			00.8	+28 50		OB a e	356
227611	HD+35° 3950	327	02.2	+35 37	9.5	Be	19-153-156-163-244-261-266-267- 502-503-594-733-745-785-891-892- 939-946-953-1081
			02.2	+35 30	7.2	OBle(r)	261
190944	HD+35° 3953	328	02.3	+46 24	8.8	B2e	81-82-152-266-719-1056
		M380	02.4	+33 04	11.5	OBle,h	261-747
		M381	02.8	+32 57	11.5		747
			03.0	+35 11	13.5		861
			03.0	+17 24		sdBe	211
227836	WZ Sge HD+35° 3981	628	04.3	+35 50	9.6	B5e	19-146-266-503-693-745-939-1081
	HD+35° 3986	1003	05.1	+35 17	9.4	B0e	19-261-266-267-503-594-946
	HD+20° 4449		05.3	+20 47	8.2	OBce,1e	261
191610	HR 7708	329	05.7	+36 33	4.8	B3ne	83-112-123-137-157-215-266-267- 498-503-520-598-624-682-693-719- 750-835-1081
							747
228023		M382	06.0	+34 50	11.2		747
		M383	06.0	+34 32	10.7		747
228041	HD+35° 3998	330	06.2	+35 12	9.6	B3ne	19-146-153-156-184-266-267-502- 503-594-745-785-939-946
			06.2	+33 32	11.0	OBle	261
351582		M384	06.3	+19 27	9.0		747-759
228103			06.9	+35 40	11.0	B5pe	19
228104	HD+35° 4004	629	06.9	+35 35	9.0	B3ne	19-146-153-156-184-266-267-502- 503-785-939-946
		M385	07.0	+36 14	10.5		747
		M386	07.2	+38 01	10.0		747
			07.5	+20 02	10.0	B a e	261-356
192019		1004	07.7	+44 28	9.6	B9e	
228207		M387	07.8	+35 34	10.8		747
192044	HR 7719	331	07.8	+26 11	5.9	B0ne	19-61-112-157-215-843-879-903- 1051-1081-1114
			07.9	+36 13	11.9	B5e	19-853
228256	KT Cyg HD+39° 4076	630	08.4	+39 43	11.0	Bne	19-262-266-510-745-946
		M388	08.6	+39 18	10.5		747
		M389	08.8	+40 27	12.0		747
		M390	09.6	+37 11	11.0		747
	HD+32° 3749	631	09.7	+32 15	9.5	B0ne	19-266-939-946
	HD+31° 3996	1005	09.7	+31 47	10.0	Be	
192445		332	09.8	+36 02	7.1	B2ne	61-112-158-161-266-267-503-570-

HD	Name	MWC	R.A. 20h	D.	m	Sp.t.	Bibliography
							693-719-835-1081-1114
228438	BD+36° 3946	M391	10.1	+38 50	10.5		747
	BD+37° 3837	333	10.1	+36 20	9.0	B0ne	266-785-892
228481			10.4	+37 56	9.6	OBle	261
192637		1006	10.6	+39 38	10.5	B9e	
		1007	10.8	+44 46	9.8	B9e	
228510			10.9	+36 20	10.6	OB(1e)	261
		M392	10.9	+35 34	11.4		747
		M393	11.2	+39 03	10.5		747
228548	BD+39° 4098	334	11.4	+39 40	10.8	B2ne	19-266-510-892-939-946
228576		M394	11.6	+36 37	11.7		747
			12.2	+34 28	11.4		861
	BD+37° 3856		12.4	+37 15	10.4	OBle	261
			12.5	+38 15	11.3	OBle	261
192968	BD+40° 4086		12.7	+40 39	7.8	B1:Vne	1056
	BD+34° 3952		12.7	+34 48	10.6	OBle,r	261
193009	BD+31° 4018	336	12.9	+32 04	7.0	B0ne	19-61-112-152-216-261-266-570-605
							693-719-751-835-939-1081-1114
		M395	13.7	+36 51	10.5		503-747
		M396	13.8	+37 48	10.0		747
228766	BD+36° 3991	1010	13.8	+37 00	9.8	Be	19-140-176-261-502-503-939-946-1039-1040
			13.8	+36 34	10.0	B2e	
		M397	13.9	+38 38	10.5		747
193237	HR 7763	338	14.1	+37 43	4.9	Bleq	19-30-48-91-97-98-99-105-121-146-152-156-157-163-190-228-243-252-261-333-361-384-437-453-465-502-503-505-517-532-558-567-594-598-614-624-637-648-649-667-682-712-724-757-802-809-824-898-917-932-939-946-959-968-996-1058-1079-1081-1099-1103-1112
	BD+29° 3982	1011	14.1	+30 07	9.1	B8e	195-196-980
		M398	14.4	+37 35	10.0		747
		M399	14.6	+41 48	10.5		747
228827		1012	14.6	+41 02	9.9	Be	
193322	BD+40° 4103		14.6	+40 25		B7Vp:e	720
		M400	14.8	+38 01	11.0		747
		M401	15.0	+37 41	10.0		747
	BD+36° 4001		15.1	+36 39	10.0	OBle	261
	BD+40° 4112	M402	15.4	+40 38	9.5		747
193516	BD+37° 3881	339	15.5	+37 28	8.8	Ble	261-266-719
		1013	15.8	+36 58	10.0	B3e	
			15.8	+20 46		B a e	356
	BD+40° 4119		16.1	+40 34	9.1	OBle	261
		M403	16.2	+38 20	11.0		747
		M404	16.3	+39 27	10.0		747
	BD+39° 4137		16.3	+39 14	9.9	OBle	261
	BD+37° 3894		16.4	+37 31	8.8	OB(ce,1e)	261
			16.5	+29 48	11.0	B6V	861
		M405	16.7	+38 19	11.0		747
	BD+36° 4016		16.7	+36 34	10.5	OBle	261
			16.9	+37 39	11.7	OBle	261
	BD+40° 4124	340	17.0	+41 02	9.5	B2e	262-266-450-950
229059		1014	17.5	+37 05	10.0	Be	19-146-153-156-900-946-1101
		M406	17.7	+37 47	11.0		747
193911	HR 7789	341	17.7	+24 07	5.4	B8ne	19-112-157-215-261-598-624-750-843-903-1081
							747
		M407	17.8	+37 07	10.5		
		1015	17.8	+37 06	11.3	B3e	
		M408	17.9	+39 56	11.0		144-747
		M409	18.2	+36 41	10.5		747
		M410	18.4	+38 08	11.0		747
		M411	18.6	+37 42	10.5		747
		633	18.8	+37 34	10.5	Be	

HD	Name	MWC	R.A. 20h	D.	m	Sp.t.	Bibliography
194208	BD+37°3913	M412	19.2	+39 10		Bpe	266-946
			19.3	+35 21	8.2		747
			19.4	+38 08	9.9	OB(1e)	261
194279	BD+40°4150	342 634	19.5	+39 10	10.8	Be	144-261
			19.7	+40 26	7.0	B0e	94-112-161-835-946-1010-1081
			19.8	+38 37	9.2	OBce, 1e, r	261
194335	BD+38°4059 HR 7807	343	19.9	+38 34	9.8	OBce, 1e, r	261
			20.0	+37 10	5.7	B3ne	61-94-97-105-112-157-158-215-266
							605-624-693-719-835-959-1081-1114
229221	BD+38°4062	344	20.1	+38 11	10.0	B0e	19-244-261-266-267-685-789-939- 946-953-1057
229227	BD+38°4065	M413	20.2	+38 08	10.1	Be	693-1081
			20.4	+39 30	10.5		144-747
			20.4	+38 20	12.0		747
229239	M414	1016	20.4	+38 11	9.6	Be	19-140-176
			20.4	+37 13	11.0	Be	
			20.6	+39 21	11.0	OB1e, r	261
229239	BD+41°3731	M415	20.8	+41 58	9.9	B2-B3e	950
			21.1	+40 54	12.0		747
			21.3	+37 56	10.5		747
194839	BD+39°4179 BD+39°4189 BD+40°4165	1017	21.9	+40 04	11.0	OB1e, r	261
			22.7	+39 20	9.3	B2p?e?	19-261-266-939-946
			22.8	+41 03	7.4	B2e	19-97-161-285-520-835-946-1010- 1081-1112
194883	M416	345	23.0	+54 22	7.2	B2:Ve	161-266-693-719-835-1056-1081
			23.2	+37 53	10.5		747
			23.5	+38 35	10.0	Be	
195407	BD+36°4095	1018	23.7	+37 20	10.0	Be	
			24.4	+43 27	10.0		747
			25.2	+42 26	10.0		747
195407	BD+36°4095	1021	25.9	+41 20	11.0	Bep	144
			26.0	+36 39	7.7	B3e	19-61-161-261-266-267-554-594- 680-719-765-797-832-835-892-939- 946-980-1035
							19-262-266-939-946
195554	HR 7843	637	26.1	+46 19	9.4	Be	19-262-266-939-946
			26.1	+40 50	11.0		747
			27.0	+55 44	5.9	B9e	112-624-903
195592	BD+43°3630	347	27.2	+43 59	7.2	B1se	61-94-97-161-520-835-892-946-1010 1036-1081
195907	BD+47°3129	1023	27.3	+47 31	9.0	B0ne	
			28.1	+41 28	11.5		144-747
			28.5	+40 28	10.5		144-747
195907	BD+47°3133	M422	28.7	+41 05	12.5	(OB)h	262
			29.0	+47 37	9.3		747
			29.0	+31 19	7.6	B2e	36-81-82-161-266-719-835-892-1056
195907	BD+47°3133	M424	29.1	+40 54	9.5		747
			29.2	+40 19	13.2	Bep	144
			29.4	+37 44	10.0		747
195907	BD+47°3133	M425	29.6	+40 54	9.5		747-939
			30.0	+40 57	12.0		144-747
			30.1	+41 02	10.5		747
195907	BD+47°3133	M426	30.2	+35 18	11.0		747
			31.1	+41 08	11.5		144-747
			31.1	+41 08	11.5		144-747
195907	BD+36°4145	M430	32.5	+37 04	9.6	OB(ce, 1e)	261
			33.1	+40 00	10.5		144-747
			33.1	+34 57	10.0		747
196712	BD+47°3148 HR 7890	1025	34.0	+47 21	9.2	B5e	
			35.0	-02 46	6.3	B9e	61-112-216-413-903-1051-1081
			35.2	+41 46	12.0		747
197406	BD+48°3184	M433	35.4	+41 41	11.0		747
			36.8	+48 27	8.8		747
			37.9	+35 21	11.0		747
197406	BD+54°2399	M435	38.2	+54 59	10.0		747-759
			38.4	+52 14	10.3		110-262-747-946-1040
			38.4	+52 14	10.3		110-262-747-946-1040
197419	HR 7927	1026	38.4	+35 05	6.5	B3e	19-112-158-216-266-376-524-624-

HD	Name	MWC	R.A. 20h	D..	m	Sp.t..	Bibliography
197434		1027	38.6	+53 51	7.9	B5pe	693-719-835-959-973-1042-1081
	BD+53°2476	M439	40.2	+54 07	10.5		161-835-980
197702	BD+31°4204		40.3	+31 20	8.0	B1:Ve	747
	BD+50°3180	1028	40.8	+50 37	9.2	B3e	1056
	BD+50°3188	M440	42.1	+50 12	9.2		747
		1029	42.4	+42 11	10.5	Be	
		1030	42.9	+44 34	11.5	Be	
	BD+31°4218		43.0	+31 47	8.9	B3e	81-620
198183	HR 7963	M441	43.2	+43 23	11.5		747
		352	43.5	+36 07	4.5	B6e	19-26-61-64-94-112-157-190-289-312-506-520-598-624-750-887-903-1051-1081
		M442	44.1	+43 24	10.3		747-759
		M443	44.6	+43 24	10.8		747-759
		M444	44.8	+43 16	10.0		747-759
198478	HR 7977	353	45.5	+45 45	4.9	B2se a	61-80-94-97-98-99-112-116-157-190-215-279-280-285-295-333-437-453-458-483-517-520-598-655-741-814-835-1010-1023-1081
198512	BD+53°2495	354	45.7	+53 32	8.0	B2ne	19-81-82-153-156-158-262-266-267-719-835-939-946
	BD+44°3594	1031	45.8	+45 03	9.4	B0e	19-244-262-266-514-939-946
		M445	46.0	+50 33	10.5		747
		M446	47.6	+48 37	9.5		747
198895		355	48.4	+55 07	8.3	B2e	266-267-624-719-835-928
	BD+46°3080	M447	48.4	+46 34	9.3		747
198931	BD+43°3747	1032	48.6	+44 03	9.0	B0e	19-145-153-156-158-262-266-267-514-554-719-939-946
239510		1033	48.8	+56 41	8.8	B5e	
		M448	49.4	+45 11	10.5		747
	BD+46°3087	1034	49.7	+46 19	9.3	B5e	
			50.6	+31 41	11.5	OB1e	261
199218	HR 8009	356	50.7	+40 20	6.5	B5ne	112-216-598-624-693-835-1081
199356	BD+39°4368	357	51.6	+39 57	7.0	B3ne	112-156-158-266-598-605-719-835-892-946-1081-1114
		M449	52.1	+49 11	10.5		747
	BD+44°3635		52.1	+45 08	10.4	cBe	514
199478	HR 8020	358	52.4	+47 02	5.8	B8se a	94-97-136-152-157-174-190-215-228-295-512-515-570-598-682-741-770-946-1010-1081
		M450	52.8	+36 58	8.5		747
	BD+36°4330	1035	53.3	+47 26	9.2	B5e	
	BD+47°3231	M451	55.1	+44 41	10.5		747
200120	BD+44°3657		55.1	+44 41	10.5		
	HR 8047	359	56.4	+47 08	4.9	B3ne	19-97-98-102-112-136-147-157-174-196-244-262-266-267-295-437-439-482-483-498-506-514-520-554-598-605-624-656-682-693-700-719-720-728-729-750-816-835-844-932-939-959-1081-1102-1111
		M452	56.6	+44 37	9.5		747
200310	BD+44°3666		56.6	+44 37	9.5		
	HR 8053	360	57.6	+45 46	5.2	B3ne	61-157-244-266-267-295-520-524-598-605-624-693-719-750-835-1051-1081
		M453	58.6	+45 22	11.5		747
		M454	59.3	+40 31	10.0		747
		1036	59.3	+38 36	10.0	Be	
	BD+45°3377	1037	59.4	+45 53	9.0	B5e	
			21h				
200775		361	00.4	+67 47	7.2	B5e	61-161-217-266-598-624-710-713-717-719-751-835-950-976-1018-1056-1081-1106
		M455	01.2	+45 50	10.0		747
			01.4	+47 33	10.5	B1Vnne	19-262-266-949

HD	Name	MWC	R.A.	D.	m	Sp.t.	Bibliography
			21h				
		1038	03.3	+55 12	10.0	B _e	
	BD+37°4182		03.3	+37 31	10.0	B9V	861
		M456	04.3	+50 41	10.5		747
		M457	04.8	+44 53	10.0		747
	BD+47°3302	M458	05.0	+47 16	10.0		19-262-266-747-946
201522		362	05.1	+46 51	7.8	B3ne	161-835
		M459	05.7	+48 41	10.5		747
201733	HR 8103	363	06.4	+45 06	6.5	B5e	112-158-240-266-598-624-693-719-741-835-1081
	BD+39°4474	1039	07.4	+40 01	8.5	B3e	
239601		1040	09.2	+56 18	8.8	B3e	
			10.1	+48 00	10.4	B2ne(V)	19-262-266-946
		M460	10.2	+48 21	10.0		747
		M461	11.2	+49 05	10.5		747
	BD+43°3859	1041	11.6	+43 33	9.0	B5e	
239618		1042	12.2	+59 21	8.5	B2e	81-82-928
	BD+41°4064		12.4	+42 07	9.0	B3: pnnshell	19-262-939-946
235474		638	13.4	+52 04	8.9	B2e	
202904	HR 8146	364	13.8	+34 29	4.4	B3ne	19-21-22-30-37-64-98-102-112-124-157-158-196-250-266-267-290-312-335-336-338-340-437-483-506-520-570-594-598-624-654-682-693-719-728-729-750-807-835-932-959-1081-1102-1113
							217-266-267-598-605-624-693-710-717-719-835-928-930-1081
203025	HR 8153	365	14.6	+58 10	6.4	B3e	747
		M462	14.6	+55 31	9.3		
		639	14.8	+46 51	9.2	B2e	
203338	HR 8164		16.5	+58 12	5.8	B _e	899
203356		1043	16.6	+53 32	7.7	B9e	161-903
203374	BD+61°2112	366	16.7	+61 25	6.6	B0ne	19-61-97-105-152-266-370-371-481-524-570-598-605-624-682-693-713-719-720-789-818-835-844-928-939-955-1081
							98-102-112-152-157-190-200-215-217-266-295-520-598-605-624-682-693-719-750-835-959-1081
203467	HR 8171	367	17.3	+64 27	5.2	B3ne	81-82-152-266-598-619-624-682-719-835-1056-1081
							158-161-262-266-598-693-719-835-1056-1081
203699		368	18.8	+13 37	6.7	B5e	747
							360-747
203731	BD+40°4503	369	19.0	+40 16	7.4	B3ne	19-153-156-158-262-266-719-835-939-946
		M463	20.1	+49 55	10.5		19-158-262-266-375-378-605-624-693-719-789-928-939
		M464	20.5	+58 07	10.0		81-82-747
	BD+43°3913	640	21.3	+44 01	8.4	B3ne	360
204116	BD+54°2533		21.4	+54 57	8.1	B1Ve	61-68-161-598-693-835-1051-1081
204185		M465	21.8	+60 51	8.1		747
			22.4	+49 01		pB a e	360
239667		1045	23.3	+59 44	9.1	B8e	
		M466	24.2	+52 33	10.0		747
204722	BD+43°3941	370	25.5	+43 54	7.5	B3ne	19-153-158-161-262-266-719-835-939-946-1081
			25.8	+54 25		B a e	360
			27.4	+49 38		pB a e	360
205060	BD+42°4123	371	27.7	+42 16	7.1	B5(n)e	61-68-161-598-693-835-1051-1081
	BD+48°3416	M467	29.3	+48 35	9.4		747
	BD+41°4191	468	29.7	+41 25	9.4		262-747
	BD+47°3475		30.5	+48 09		B a e	360
205551	BD+51°3091		31.0	+51 15	5.9	B9e	112-157-624-903-1081
205618		642	31.4	+29 18	8.4	Bne	81-82-158-266-835-1056
239703		372	31.5	+59 01	9.0	B(3)ne	
205637	HR 8260	373	31.5	-19 54	4.7	B5pe	16-19-21-26-86-157-190-246-251-266-394-414-415-608-612-617-627-670-682-719-720-724-807-835-927-

HD	Name	MWC	R.A. 21h	D.	m	Sp. t.	Bibliography
							947-1035-1081-1108
	BD+47° 3487	374	32.1 32.2	+57 08 +47 28		pB a e B3eq	360 19-262-266-451-693-719-775-784- 939-946-1081-1103
			32.6	+57 41		pB a e	360
		M469	33.0	+54 53	10.0		747
		M470	33.2	+56 54	11.0		747
239712		1047	34.0	+57 41	8.6	B2e	81-82-928
235565		375	34.3	+51 03	8.8	B2ne	266
	BD+63° 1757	M471	35.2	+63 26	9.4		747
			35.7	+60 40		B a e	360
	BD+57° 2358	M472	36.1	+57 21	9.3		747
			36.5	+49 56	10.7	B0:pe	19-244-262-266-267-946
		M473	37.7	+56 08	9.5		747
		M474	37.8	+56 36	9.5		333-747
206697	BD+42° 4189		38.8	+43 07	8.2	sdBe	83-209-262-1095
206793	BD+57° 2374	376	39.3	+57 17	7.0	B0ne	19-61-96-105-152-156-244-262-266- 267-481-570-594-598-605-624-682- 693-719-789-818-821-835-892-928- 939-946-955-1051-1081
	BD+65° 1637	M475	40.6	+65 39	9.4	B5e	717-747-950
239758	BD+58° 2320	643	41.5	+58 36	9.0	B5ne	745-928-939-1081
	BD+43° 4040	1048	41.8	+43 44	9.5	B2e	
	BD+53° 2698	1049	42.2	+53 17	9.5	Be	
	BD+49° 3615	1050	42.2	+49 50	8.8	B2e	19
207232		377	42.4	+50 12	7.0	B8ne	112-903
207329	BD+51° 3144	378	43.1	+51 39	7.4	B2e	19-153-158-161-245-262-594-598- 693-719-835-939-946-1081
207757	BD+12° 4710	379	46.2	+12 09	7.6	Bep	93-96-266-333-402-451-453-459-460 461-463-469-478-525-534-568-675- 719-757-762-801-938-1073-1081- 1097-1112-1119
		M476	46.8	+54 20	9.5		747
208057	HR 8356	644	48.5	+25 27	5.0	B3e	112-215-244-266-598-624-719-835- 1081
	BD+46° 3471	M477	48.7	+46 46	9.5		717-747
	BD+58° 2341	M478	48.8	+58 26	9.5		747
208220	BD+42° 4241		49.7	+43 01	13.6	B1Ve	19-158-262-266-823-939-946
		645	49.9	+52 32	12.5	Bep	
		1051	50.7	+51 00	13.0	B3e	
208392	BD+61° 2216	380	50.9	+62 08	7.1	B3ne	112-118-147-161-244-262-266-267- 285-481-624-719-835-1081-1102
208682	HR 8375	381	52.9	+64 52	5.8	B3ne	19-61-112-151-157-158-190-215- 266-290-312-506-520-598-605-624- 693-719-835-959-1051-1081-1114
235668	BD+50° 3496	646	53.1	+51 06	8.0	B3e	266-719-835
	BD+48° 3561	M479	54.1	+48 36	8.9		747
		M480	54.9	+52 56	9.5		747
235679		647	55.0	+54 00	8.8	B2e	939
209014	HR 8386		55.1	-28 56	5.4	B8V	215-613-1034
235683		382	55.6	+51 55	9.0	B3e	
		M481	57.0	+53 09	10.5		747
	BD+47° 3656	648	57.1	+47 42	8.0	B3e	245-262-266-719-835
209296	BD+56° 2676	383	57.2	+56 14	8.1	B5e	60-61-835-946-1051-1081
		649	57.8	+49 41	8.9	B3e	
209409	HR 8402	384	58.1	-02 38	4.7	B6ne	16-19-21-86-115-157-190-246-251- 332-335-336-369-381-394-520-612- 617-621-624-627-659-670-724-903- 927-932-947-959-1081-1114
209522	HR 8408	650	58.9	-27 19	5.8	B5e	26-246-251-947
	BD+54° 2676		59.7	+54 37	10.8	B1:nne(V)	19-262-266-267-946-1045
			22h				
			00.9	+54 00		B a e	360

HD	Name	MWC	R.A	D.	m	Sp.t.	Bibliography
			22h				
	BD +46° 3577	M482	02.1	+46 16	9.4		747
	BD +49° 3735	M483	02.2	+49 25	9.0		19-262-266-267-747-939-946
	BD +54° 2684	1053	02.9	+54 33	9.5	B2e	
210129	HR 8438	385	03.1	+21 13	5.7	B8ne	112-157-166-215-225-624-741-750-903-1081
		M484	03.6	+54 57	10.5		747
		M485	04.0	+48 32	9.5		747-759
		1054	04.1	+53 06	10.0	B3e	
		1055	04.7	+53 44	13.5	B3q	
	BD +55° 2693		05.8	+55 16		B5: ne	19-853-1045
			06.1	+57 15	13.0	OBle, h	262
	RU Peg		09.1	+12 12	10.0	sdBe	83-1095
	BD +52° 3147	1056	09.8	+53 07	9.4	B8e	980
	BD +54° 2718		11.3	+54 58	9.5	B	882-1045
			12.7	+55 08	11.5	OB(ce)le, h	262
	BD +65° 1744	M486	13.9	+65 27	9.2		747
211835	BD +45° 3897	652	14.9	+45 18	8.5	B2ne	19-81-82-158-244-262-266-267-520-719-779-808-835-859-868
	BD +55° 2721		15.1	+55 37	9.0	OBle	262
235795	BD +51° 3330	1057	15.2	+51 37	8.6	B2e	19-81-82-158-262-266-267-753-939-946
			16.2	+56 53		OB a e	360
212044	BD +51° 3341	386	16.4	+51 21	7.1	B2e	19-135-152-153-156-158-161-262-266-267-549-598-624-677-693-719-835-892-939-1081
	BD +55° 2725		16.5	+55 53		B1ne (IV)	19-262-267-360-544-946-1045
212076	BD +11° 4784	387	16.6	+11 42	4.9	B3e	19-21-22-91-98-102-112-157-200-266-335-336-381-598-624-682-719-750-835-964-1081-1113
		M487	17.4	+54 46	11.0		747
	BD +45° 3899	M488	17.4	+45 33	9.5		747
		M489	18.8	+52 48	10.5		747
	BD +61° 2292	M490	19.7	+62 13	9.4		747
212571	HR 8539	388	20.2	+00 52	4.6	B1ne	19-21-48-49-86-98-102-115-157-266-267-332-335-336-369-381-437-483-506-520-598-624-652-653-659-666-682-688-696-719-724-750-835-869-927-932-947-951-959-1035-1056-1081-1102-1114-1117
212666		1059	20.9	+51 38	8.5	B8e	
235834		1060	21.0	+52 45	9.2	B8e	
	BD +57° 2525	1061	21.4	+57 20	10.2	B3e	19-262-266-267-544-882-946
212791	BD +51° 3372	653	21.8	+51 56	8.2	B3e	266-693-719-741-835-1081
213088		389	23.9	+52 28	8.2	B8ne	
213129		654	24.2	+46 57	8.6	B2ne	892
	BD +62° 2086	1062	24.5	+62 29	9.1	B5e	
		M491	24.7	+55 30	10.8		747
		M492	24.8	+62 14	9.5		747
		1063	25.1	+50 42	10.0	B5e	
			26.7	+54 29	12.4	OB a e	360
	BD +60° 2405	M493	27.6	+61 06	9.4		747
		M494	27.6	+57 57	11.1		747
	BD +56° 2811	1064	31.1	+57 06	9.4	B5e	
214168	HR 8603	390	31.4	+39 07	5.8	B3ne	19-94-97-105-138-157-198-244-266-267-296-380-520-598-624-638-682-696-716-719-729-741-779-780-789-808-818-835-859-868-880-939-959-1081
		391	31.6	+52 14	9.0	B9e	853
214197		1065	32.2	+54 29	10.0	Be	
		M495	32.8	+53 46	10.5		747
		1066	33.7	+57 49	11.2	Be	
240010	BD +55° 2783	655	34.6	+55 19	9.1	B0ne	19-262-266-267-544-939-946
214748	HR 8628	392	35.1	-27 34	4.2	B8e a	19-64-86-251-520-1081
		M496	35.8	+57 10	11.5		747

HD	Name	MWC	R.A. 23h	D.	m	Sp.t.	Bibliography
221692		662	29.2	+56 41	8.6	B9ne	565-784-1070
			30.6	+59 26		OBce, (1e)	260
	BD+61°2481		30.8	+61 45		BO(e)	1045
	BD+60°2584	M510	31.1	+60 38	10.0		19-262-266-267-747-949-1045
		M511	33.3	+55 29	10.0		747
			34.4	+59 09	12.5	B a e	360
	BD+60°2600	M512	35.6	+60 47	9.0		747-1045
		M513	38.7	+61 23	11.0		747
		1082	40.0	+60 41	9.3	BOe	
223036	BD+53°3228	1083	41.0	+54 11	8.6	BOe	247-892
223044	BD+61°2518	1084	41.1	+61 26	8.6	B2e	491
	BD+62°2296		42.5	+62 40	8.6	B3Ia?	1045
			43.5	+65 08	13.5	Be?	958
223387	BD+56°3094	401	44.0	+56 40	9.2	BOne	19-266-267-892-946
223501	BD+61°2537	402	45.0	+61 39	8.2	B3e	60-61-81-82-266-491-495-693-719-835-1056-1081
			46.7	+62 40	12.0	B a e	360
			46.9	+62 20	13.0	OB(1e)	260
	BD+66°1651	1085	47.3	+66 34	9.2	Be	958
	BD+62°2320		48.8	+62 40	10.1	B2V	1045
224055	BD+61°2562	404	49.7	+61 17	7.2	B2se a	136-161-371-491-495-598-655-741-946-1081
		M514	50.0	+61 32	11.0		747
	BD+71°1238	1086	50.3	+71 55	8.8	B3e	
		M515	51.7	+62 57	9.7		747
			51.7	+60 40		Blne(V)	19-244-266-267-946
		M516	51.8	+63 27	9.5		747-759
	BD+65°1970	M517	52.5	+65 53	9.3		747-958
240458	BD+55°3057	665	52.5	+55 18	9.3	B4ne	745-1081
		M518	52.6	+72 19	10.5		747-759
224424	BD+58°2676	405	52.7	+59 09	7.8	BOse a	373-491-495-520-741-835-892-946-1081
224544	HR 9068	406	53.7	+31 48	6.4	B5ne	112-216-598-624-835-959-1081
224559	HR 9070	407	53.8	+45 52	6.5	B3ne	19-61-112-216-266-375-378-598-624-719-741-835-959-1051-1081
	BD+59°2801		54.1	+59 29		BO.5:V:pnne	19-260-266-267-939-946
224686	HR 9076		54.7	-66 08	4.5	B7Vke	612
	BD+65°2090	M519	55.2	+63 31	9.6		747-1045
236270		1087	55.6	+55 10	8.7	B5e	82
			56.0	+58 25	11.7	pB a e	360
	BD+62°2346		56.3	+62 57	9.4	B5	1045
224905	BD+59°2813	666	56.6	+59 54	9.2	B4e a	81-82-1081
225094	BD+62°2356	408	58.3	+63 05	6.3	B2se a	112-216-373-491-598-655-741-835-946-1081
225095	BD+54°3103	409	58.3	+55 00	7.6	Bl e	61-81-82-161-266-835-1056
225146	BD+60°2663		58.8	+60 33	8.4	BOe	141-153-156-520-900-939-946
			59.7	+64 32	13.5	Be?	958

Be STARS IN CLUSTERS, ASSOCIATIONS AND SPECIAL REGIONS

Name	R.A.	D.	N	Extent	Bibliography
Ass.Cas.III	00 16.0	+62 00	5	20 Sq.d.	388
Ass.Cas.IV	00 24.0	+61 00	5	20 Sq.d.	388
Region in Cassiopeia	00 30.0	+62 00		45 Sq.d.	542
NGC 225	00 37.6	+61 14	45		457
NGC 457	01 12.8	+57 48	2		689
Region in Cassiopeia	01 37.1	+59 57		11.3 Sq.d.	941
NGC 663	01 39.2	+60 44	1		871-953
h and chi Persei	02 13.7	+56 40			609
I Persei	02 14.0	+57 00	45	25 Sq.d.	678
NGC 957	02 26.4	+57 05	1		953
alpha Persei	03 15.0	+48 15	2		689
IC 348	03 38.3	+31 56	16		992
M 45: Pleiades	03 41.0	+23 48	5		470-689
Region in Camelopardalis	03 51.0	+56 08	1	16.2 Sq.d.	943
Region in Taurus-Auriga-Orion	04 40.0	+20 00	69	44 Sq.d.	348
Special region	05 22.1	+11 20	16	10 Sq.d.	429
Orion Nebulae	05 29.1	-05 42	255	3.5 Sq.d.	778
Ass. Orion I	05 30.0	-03 00			870
NGC 2068	05 41.6	+00 01	45		873
Galactic Anticenter	05 56.4	+24 12	11	20 Sq.d.	714
Region in Orion	06 11.5	+14 00	1	17.3 Sq.d.	948
NGC 2244	06 27.0	+04 56	4		689
NGC 2264	06 35.5	+09 50			689-796-945
Region in Monoceros	06 48.5	-01 00	1	16.4 Sq.d.	942
Survey region	07 45.0	-32 00	12	300 Sq.d.	755
NGC 2516	07 57.1	-60 32	1		726-732
Region in Vela	08 37.0	-45 00	27	47 Sq.d.	829
NGC 3293	10 32.0	-57 43	1		579
NGC 4103	12 01.5	-60 41	1		616
Southern Coalsack	12 37.0	-62 30	48	25 Sq.d.	325
NGC 4755: kappa Cru.	12 47.7	-59 49	3		244-266-595
Dark lane in Lupus	15 40.7	-35 10	6		794
Region in near nu Scorpii	16 10.1	-18 17	13		1038
NGC 6087	16 10.6	-57 39	2		576-604-689
Special region	16 35.5	-24 16	32	25 Sq.d.	327
IC 4665	17 41.4	+05 45	2		885-902
NGC 6514: Messier 20	17 56.3	-23 02	2		826
NGC 6523: Messier 8	17 57.0	-24 23	19		826
NGC 6530	17 58.6	-24 20	3		244-266-267-689-825-826-888-917
Simeis 188	18 03.2	-24 01			826
Region in Sagittarius	18 04.0	-18 00	66	17.4 Sq.d.	829
Ass.Sgr.III	18 12.0	-12 00	43	20 Sq.d.	328
NGC 6611: M 16	18 13.2	-13 49	2		731-953
Sel. Area	18 22.7	-29 59	7	6 Sq.d.	1028
IC 4725: M 25	18 25.8	-19 19			689-860
NGC 6830	19 46.8	+22 50	1		953-955
Special region	20 50.0	+44 00	68	6 Sq.d.	836
Special region	21 40.5	+58 19	125	10 Sq.d.	476
IC 5146	21 49.6	+46 48	24		851
Region near zeta Cephei	22 18.5	+57 59	26	15 Sq.d.	1041
Region in Cepheus-Lacerta	22 20.0	+53 55		17 Sq.d.	940
Ass.I.Lac.	22 36.0	+42 00	3		859
NGC 7380	22 43.0	+57 34	186		477
Ass.III.Cephei	22 51.0	+62 00	5		842
Ass.Cas.V	23 50.0	+61 00	5	20 Sq.d.	388
Region in Cassiopeiae	23 54.5	+59 20	2	10 Sq.d.	390
Ass. Cepheus IV	23 59.0	+66 36	11	25 Sq.d.	1032
Ass.Scorpio-Centaurus			5		689
Magellanic Clouds			236	15 Sq.d.	944
Magellanic Clouds			20		584-718

BOLETIN DE LA ASOCIACION ARGENTINA DE ASTRONOMIA

N	V	P	
1	n2	47	A. Ringuelet, J. Sahade and O. Struve - 27 Canis Majoris (1960).
2	n2	48	A. Ringuelet - Rediscusión general de 27 Canis Majoris (1960).
3	n3	29	J. Sahade - 27 Canis Majoris en 1960 (1960).
4	n4	37	C. Jaschek, M. Jaschek and B. Kucewicz - Discovery and statistics of Be stars. Preliminary results (1962).
5	n4	71	A. Ringuelet-Kaswalder - Estrellas Be rotacionalmente inestables y variable V/R (1962).
6	n5	43	A. Ringuelet-Kaswalder - Resultados preliminares de placas de alta y mediana dispersión de 48 Librae (1963).
7	n5	44	A. Ringuelet-Kaswalder - Variaciones de velocidad radial de corto periodo en 48 Librae (1964).
8	n6	25	A. Ringuelet-Kaswalder - Observaciones fotométricas de 27 Canis Majoris (1963).
9	n6	26	A. Ringuelet-Kaswalder - Estructura de las líneas de absorción de la envoltura de 48 Librae (1964).
10	n6	27	A. Feinstein - Fotometría de estrellas B con H alpha en emisión (1964).
11	n7	16	M. Jaschek and G. Jaschek - Spectroscopic notes. I. HD 133738 and HD 6882 (1964).
12	n14	14	L.A. Milone - I Scorpii y NGC 6231 (1968).

INFORMATION BULLETIN FOR THE SOUTHERN HEMISPHERE

15	n5	29	A. Ringuelet-Kaswalder - The stellar spectrum of 48 Librae (1964).
16	n11	29	W. Buscombe - Rotational velocities of southern B stars (1967).
17	n11	34	B. Kucewicz - New stars with H alpha emission (1967).

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL DE LA PLATA, SERIE ASTRONOMICA

19	28		C. Jaschek, A.C. de Sierra and H. Conde - Catalogue of stellar spectra classified in the Morgan-Keenan System (1964).
----	----	--	---

MEMOIRS OF THE MOUNT STROMLO OBSERVATORY

21	n2		W.B. Rimmer - The luminosities and parallaxes of 350 stars of spectral type B (1930).
22	n12		M.L. Woods - Spectral types of bright southern stars (1955).
23	n14		W. Buscombe and P.M. Morris - Southern stars of high velocity (1958).
24	n18		J.A. Graham and G. Lynga - A survey of faint OB stars in Carinae (1965).

MIMEOGRAMS OF THE MOUNT STROMLO OBSERVATORY MIMEOGRAMS

26	n7		W. Buscombe - Photometric and spectroscopic data for southern OB stars (1963).
27	n9		P. Morris Kennedy - Interstellar line velocities in the southern Milky Way (1966).

MEMOIRES DE L' ACADEMIE ROYALE DE BELGIQUE, COLLECTION IN-8°

30	33	94	L. Houziaux - Contributions a l' étude des étoiles à enveloppe (1963).
----	----	----	--

BULLETIN ASTRONOMIQUE DE L' OBSERVATOIRE ROYAL DE BELGIQUE, A UCCLE

31	4	183	E. Vandekerkhove - Observations spectrophotometriques (1954).
----	---	-----	---

COMMUNICATIONS DE L' OBSERVATOIRE ROYALE DE BELGIQUE

32	n126		E. Vandekerkhove - Quelques remarques au sujet des étoiles a raies d' emission (1957).
33	n126		E. Vandekerkhove - Variations of gradient de gamma Cassiopeiae (1957).
34	n192		E. Vandekerkhove - Gradients of gamma Cassiopeiae 1957-1959 (1962).

UNIVERSITE DE LIEGE. INSTITUT D' ASTROPHYSIQUE, COLLECTION IN 8°

36	n390		L. Houziaux - Note sur le spectre de HD 195907 (1957).
37	n470		L. Houziaux - Quelques aspects de l' étude des étoiles Be (1963).
38	n418		E.T. Byram, T.A. Chubb and H. Friedman - Ultraviolet light from celestial sources (1961).

JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY OF CANADA

41	44	149	I. Halliday - The variable spectrum of the star HD 218393 (1950).
42	44	221	C.S. Beads - The atmospheres of the early type stars (1950).
43	46	147	R.F. Rodgers - The frequency and characteristics of binary systems among bright-line B-type stars (1952).
44	49.	27	A.B. Underhill - Some observations of CIII emission in the O stars (1955).
45	49	211	M.W. Mayall - Variable star notes (1955).
46	51	75	A. McKellar and K.O. Wright - Some problems in the interpretation of the spectra of the zeta Aurigae-like stars (1957).
47	51	177	R.M. Petrie - Stellar associations (1957).

JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY OF CANADA

N	V	P	
48	55	13	D.B. Mc Laughlin - The bright-line stars of class B (1961).
49	55	73	D.B. Mc Laughlin - The bright-line stars of class B. II. (1961).
50	56	113	W. Buscombe and P. Morris Kennedy - Supergiant B stars in the small Magellanic Cloud (1962).

COMMUNICATIONS FROM THE DAVID DUNLAP OBSERVATORY

53	n2		J.F. Heard - The spectrum of gamma Cassiopeiae (1938).
54	n4		J.F. Heard - Five newly discovered Be stars (1939).
55	n25		I. Halliday - The variable spectrum of the star HD 218393 (1950).
56	n175		J.F. Heard and R.M. Petrie - Radial velocities of stars in the alpha Persei cluster (1967).

PUBLICATIONS OF THE DAVID DUNLAP OBSERVATORY

58	1	71	R.K. Young - The radial velocities of 500 stars (1939).
59	1	251	R.K. Young - The radial velocities of 374 stars (1942).
60	1	523	J.F. Heard - The radial velocities and spectral features of twenty-one Be stars with large rotational terms (1951).
61	2	317	J.A. Copeland and J.F. Heard - Spectroscopic studies of 60 Be stars over a period of 24 years (1963).

CONTRIBUTIONS FROM THE DOMINION ASTROPHYSICAL OBSERVATORY VICTORIA

64	n68		A.B. Underhill - Early-type stars with extended atmospheres (1960).
65	n70		A.B. Underhill - General summary of results on "Astronomical turbulence" in stellar atmospheres (1961).

PUBLICATIONS OF THE DOMINION ASTROPHYSICAL OBSERVATORY VICTORIA

66	8	253	R.M. Petrie and C.D. Maunsell - The absolute magnitudes of the early A stars from measures of hydrogen-line absorption (1950).
67	8	319	R.M. Petrie - The magnitude differences between the components of eighty-two spectroscopic binaries (1950).
68	8	409	J.A. Pearce and R.M. Petrie - Revised radial velocities of seventy-nine B-type stars (1951).
69	9	139	A.B. Underhill - A spectrophotometric study of the shell star zeta Tauri (1951).
70	9	219	A.B. Underhill - The radial-velocity variations of zeta Tauri (1952).
71	9	237	A.B. Underhill - The shell star 14 Comae (1952).
72	9	251	R.M. Petrie - Absolute magnitudes of the B stars determined from measured intensities of the H gamma line (1953).
73	9	297	R.M. Petrie - Wave-length standards for radial-velocity determinations from B-type spectra (1953).
74	9	321	L.H. Aller - Spectrographic studies of the combination variables Z ¹ Andromedae BF Cygni, CI Cygni (1953).
75	9	363	A.B. Underhill - The spectrum of the shell star 48 Librae (1953).
76	10	79	A.B. Underhill - On the radial-velocity variations of kappa Draconis (1955).
77	10	201	A.B. Underhill - An investigation of the strength of the interstellar absorption feature at lambda 4430 in the spectra of O stars (1956).
78	10	277	A.B. Underhill - On the composite spectrum of HD 50820 (1956).
79	10	287	R.M. Petrie and B.N. Moysl - Tests of the Victoria absolute magnitudes of stars of class B and spectroscopic absolute magnitudes of 184 stars (1956).
80	11	353	A.B. Underhill - Some spectroscopic observations of the supergiants 67 Ophiuchi, 55 Cygni and chi ² Orionis (1961).
81	12	401	G.A.H. Walker and S.M. Hodge - Equivalent widths and halfwidths of the lambda 4388 and lambda 4471 HeI lines, rotational velocities and lambda 4430 central depths for 450 O to B5 stars (1966).
82	12	435	R.M. Petrie and E.K. Lee - Spectroscopic absolute magnitudes of 571 B stars (1966).
83	13	119	A.H. Batten - Sixth catalogue of the orbital elements of spectroscopic binary systems (1967).

UNIVERSIDAD DE CHILE, DEPARTAMENTO DE ASTRONOMIA, SEPARATA

86	4	49	A. Gutiérrez-Moreno, H. Moreno and J. Stöck - Spectrophotometric parameters of early type stars. I. Equivalent widths of hydrogen lines (1968).
----	---	----	---

ACTA ASTRONOMICA SINICA

87	7	198	C.-h Chang, H.-J. Hong, C.-e. Mo and H.-h. Chow - Photoelectric observations of beta Igrae (1962).
----	---	-----	--

ANNALES D' ASTROPHYSIQUE

N	V	P	
89	11	13	D. Barbier - Le spectre continu de gamma Cassiopeiae (1948).
90	11	137	I. Gauzit and P. Proisy - Mesure de la temperature de couleur de 146 étoiles (1948).
91	11	157	C. Fehrenbach - Liste de vitesses radiales déterminées au spectrographe à fente (1948).
92	12	264	T. Mao-Lin - Le spectre de Z Andromedae (1949).
93	13	51	T. Mao-Lin - Le spectre de AG Pegasi (1950).
94	13	147	L. Spitzer Jr., I. Epstein and L. Hen - Equivalent widths of interstellar calcium lines (1950).
95	15	12	T. Mao-Lin and M. Bloch - Le spectre de RY Scuti (1952).
96	15	104	T. Mao-Lin and M. Bloch - Le spectre de AG Pegasi (1952).
97	15	113	D. Barbier - Sur la détermination de la grandeur de la discontinuité de Balmer par les méthodes de la photométrie à travers des filtres (1952).
98	15	201	D. Chalonge and L. Divan - Recherches sur les spectres continus stellaires. V. Etude du continu de 150 étoiles entre 3.150 et 4.600 Å. (1952).
99	15	237	L. Divan - Recherches sur les spectres continus stellaires. VI. Remarques sur les propriétés absorbantes de la matière interstellaire (1952).
100	16	96	D. Barbier - Etude photométrique de la region ultraviolette de la lumière du ciel nocturne (1953).
101	16	321	C. Pecker - Contribution à l'étude de la zone convective des étoiles (1953).
102	16	417	M. Hack - Etude du spectre d'absorption de 243 étoiles de types spectraux compris entre O6 et F8 pour la recherche de critères quantitatifs de classification spectrale bidimensionnelle (1953).
103	17	6	T. Mao-Lin and M. Bloch - Les spectres de BF Cygni, AX Persei et CI Cygni (1954).
104	17	153	M. Lunel - Le rayonnement infrarouge de gamma Cassiopeiae (1954).
105	17	456	L. Divan - Recherches sur la loi d'absorption de la poussière interstellaire et sur le spectre continu des étoiles O et B (1954).
106	18	292	H.L. Johnson - A photometric system (1955).
107	18	354	J. Gauzit - Le spectre de AX Persei et des variations (1955).
108	18	379	Z. Kopal - The classification of close binary systems (1955).
109	18	450	T. Mao-Lin and M. Bloch - Le spectre de Z Andromedae en 1952 et 1954-1955 (1955).
110	19	281	Y. Andrillat - Résultats de l'étude infrarouge de l'étoile HD 197406 (1956).
111	20	86	T. Mao-Lin and M. Bloch - Etude spectrophotométrique de AX Persei (1957).
112	22	540	R. Herman, M. Barin and M.M. Pendzel - Classement de 123 étoiles de type B (1959).
113	22	733	F. Dossin - Le spectre de l'étoile symbiotique BF Cygni dans la region rouge et proche infra-rouge (1959).
114	23	958	R. Herman and M. Duval - Les contours de raies dans les étoiles B et Be (1960).
115	24	159	S.R. Pottash - Balmer decrements. II. The Be stars (1961).
116	24	509	G. Cayrel de Strobel - A comparison of photoelectric and photographic spectrophotometry (1961).
117	25	9	R. Herman and M.M. Duval - Quelques nouvelles étoiles B à émission (1962).
118	26	153	J. Sahade and F.B. Dávila - Eclipsing variables in galactic clusters (1963).
119	27	7	A. Ringuelet-Kaswalder - Double absorption cores in the shell spectrum 48 Librae (1964).
120	27	292	M. Bloch - Changements dans le spectre de Z Andromedae (1964).
121	27	507	R. Herman - Variations spectrales de P Cygni (1964).
122	28	1	V. Doazan - Etude de l'étoile à enveloppe HD 50138. Caractéristiques physiques et cinématiques (1965).
123	28	321	M. Lacoarret - Enveloppes d'étoiles Be: Variations spectrales et caractéristiques physiques (1965).
124	28	594	E.T. Byram, T.A. Chubb and M.W. Werner - 1115 Å far ultraviolet stellar photometry (1965).
125	29	17	Y. Andrillat et N. Moguleff - Etude comparée des "eruptions" de potassium dans 4 Her, HD 117043 et HD 88230 (1966).
126	29	29	S. Svolopoulos - The spectrum of beta Orionis (1966).
127	30	495	K. Ozemre - L'étude spectrale de l'étoile HD 217050 (1967).

ANNALES D' ASTROPHYSIQUE, SUPPLEMENTS

130	n5		R. Cayrel - Observations et étude théorique du spectre de xi Persei (1958).
-----	----	--	---

JOURNAL DES OBSERVATEURS

132	35	13	M.D. Belorizky - Sur le spectre d'émission de gamma Cassiopeiae (1952).
133	38	353	J. Berger - Classification des étoiles de l'association de xi Persei (1955).
134	39	148	J. Berger - Classification des étoiles B des Pléiades (1956).
135	39	149	B. Westerlund - Etude spectrophotométrique de quelques étoiles O, B et A dans Céphée (1956).
136	40	107	J. Boulon - Mesures de vitesses radiales au spectrographe C de l'observatoire de

JOURNAL DES OBSERVATEURS

N	V	P	
			Haute-Provence (1957).
137	40	129	C. Schalen - Sur la loi d'absorption interstellaire (1957).
138	41	105	J. Berger - Classification d'étoiles doubles dans le system à 3 paramètres lambda, D, phi sub b (1958).
139	42	1	J. Boulon, D. Duflot and Ch. Fehrenbach - La mesure des vitesses au prisme objectif. IX. 3e liste de vitesses radiales déterminées au prisme objectif à vision directe (1959).
140	42	75	H. Perraud and B. Pelletier - Idstes et classifications d' étoiles à emission trouvées dans divers champs pris aux prisme objectifs à vision directe (1959).
141	43	69	M. Barbier and J. Boulon - La mesure des vitesses radiales au prisme objectif. XI. ler liste de vitesses radiales d'étoiles O et B déterminées au prisme objectif à vision directe (1950).
142	43	217	L. Houziaux - Le spectre de HD 50138 en 1958 et 1959 (1960).
143	44	81	Ch. Bertaud - Spectre de la variable 377. 1943 Sagittae (1961).
144	44	149	H. Perraud - Listes et classifications d'étoiles à émission, S et C, trouvées dans divers champs prises aux prisme objectifs à vision directe (1961).
145	44	233	Ch. Fehrenbach - La mesure des vitesses radiales au prisme objectif. XII 5e liste de vitesses radiales déterminées au prisme objectif à vision directe (1961).
146	45	57	M. Barbier - Structure de la Galaxie dans la région de P Cygni (1962).
147	45	117	P. Baize - Catalogue d'étoiles doubles ayant une composante variable (1962).
148	46	105	R. Weber - Sur quelques étoiles variables peu observées (1963).
149	46	187	Contribution à la determination des vitesses radiales stellaires étude photométrique et cinématique de dix champs galactiques (1963).
150	46	319	J.H. Bigay - Mesures photoélectrique en 3 couleurs (U.B.V.) d'étoiles O-B et AO dans les Selected Areas du plan galactique: SA 9, 19 et 24 (1963).
151	47	125	N. Martin - Détermination de magnitudes absolutes par la méthode d'Ohman: application à l'étude de la structure galactique dans deux régions du ciel (1964).
152	48	45	V. Maitre - Troisième catalogue de l'observatoire de Besançon, Comprenant 764 étoiles réduites a 1950.0 sans mouvement propre et 326 étoiles du FK3 pour l'époque moyenne d'observation (1965).
153	48	107	A. Kristensca and M. Rudkjoberg - Photoélectric observations of the intensity of the 4430 band 147 O,B and A stars in the northern Milky Way (1965).
154	48	171	J.H. Bigay and M. Lunel - Photométrie photoélectrique U.B.V. de 263 étoiles B et A de la S.A. 8 (1965).
155	49	176	M. Duflot and E. Rebeiro - Vitesses radiales dans quatre champs de petite latitude Galactique (1966).
156	50	83	J. Baerentzen, P. Gammelgaard, T. Hilberg, K.F. Jorgensen, H. Kristenson, P.E. Nissen and R. Rudkjoberg - Photoélectric 4430 observations of 506 O,B and A stars (1967).
157	50	107	Y. Andrillat and L. Houziaux - Spectres infrarouges de quelques étoiles des premiers types entre 6500 et 8800 Å (1967).
158	50	237	M. Bonneau - Catalogue d'étoiles O et B (1967).
159	50	391	M.L. Burnichon, D. Chalonge, L. Divan and J.P. Swings - Etude de l'étoile Be, HD 45677 (1967).
160	50	397	Y. Andrillat and L. Houziaux - Etudes spectroscopiques de quelques étoiles Be dans le proche infrarouge photographique. I. zeta Tauri (1967).
161	51	165	L. Houziaux and A.R. Kaswelder - Observations spectroscopiques d'étoiles Be (1968).
162	51	175	Y. Andrillat and L. Houziaux - Etude spectroscopique de quelques étoiles Be dans le proche infrarouge photographique. II. HD 217050 (1968).
163	51	297	P. Gammelgaard - A discussion of photoelectric 4430 observations of 506 O,B and A stars (1968).

COMPTES RENDUS HEBDOMADAIRES DES SEANCES DE L'ACADEMIE DES SCIENCES, PARIS

166	240	727	H. Rojas et R. Herman - Sur une méthode de classification des étoiles B (1955).
167	241	741	J. Gauzit - Correlation remarquables dans des variations du spectre de AX Persei (1955).
168	241	793	J. Gauzit - Sur la nature physique des étoiles variables à spectre composite, en particulier de AX Persei (1955).
169	241	1105	M. Bloch et M.T. Mao-Lin - Le spectre de Z Andromedae en Aout 1954 et Janvier 1955 (1955).
170	246	704	K. Özemre - Variations spectrales de l'étoile HD 162428 (1958).
171	247	428	K. Özemre - Variations du spectre de l'étoile HD 218393 (1958).
172	266	265	A.M. Delplace - Etude de la pulsation de l'enveloppe de HD 37202 (1967).

PUBLICATIONS DE L' OBSERVATOIRE DE HAUTE-PROVENCE

174	3	n58	J. Boulon - Mésures de vitesses radiales au spectrographe C de l' observatoire de
-----	---	-----	---

PUBLICATIONS DE L' OBSERVATOIRE DE HAUTE-PROVENCE

N	V	P	
			Haute-Provence (1957).
175	4	n37	M. Lacoarret - Variations rapides de l' intensité de l'émission H alpha dans le spectre de HD 174237 (1960).
176	4	n40	H. Perraud - Listes et classifications d' étoiles a émission trouvées dans divers champs pris aux prismes objectifs à vision directe (1960).
177	4	n59	V. Doazan - Variations spectrales de HD 50138 (1960).
178	5	n28	L. Houziaux - Le spectre de HD 50138 en 1958 et 1959 (1962).
179	5	n38	R. Herman and M. Duval - Variations du contour de la raie H beta de l'hydrogene dans le spectre de zeta Tauri (1961).
180	5	n56	V. Doazan - Variations spectrales de HD 50138 observées a grande dispersion (1962). I
181	5	n56	V. Doazan - Variations spectrales de HD 218393 observées a grande dispersion (1962). II
182	5	n56	V. Doazan - Variations spectrales de HD 45910 observées a grande dispersion (1962). III
183	6	n4	M. Lacoarret - Variations spectrales cycliques de HD 174237 (1962).
184	6	n8	M. Barbier - Structure de la galaxie dans la région de P Cygni (1963).
185	6	n28	R. Herman and M. Duval - Etude des variations de vitesse radiale de zeta Tauri en 1961-1963 (1963).
186	6	n44	R. Herman and M. Duval - Etude des variations de l'enveloppe de zeta Tauri en 1962 (1963).
187	8	n4	Y. Andrillat - Observation spectroscopique d' une éruption de potassium dans l' étoile "4 Herculis" (1965).
188	8	n18	M. Bloch - MH alpha 3280116, étoile à raies d' émission (1966).
189	8	n27	A. Delplace - Etude des variations de la vitesse radiale de zeta Tauri (1966).
190	8	n36	Y. Andrillat and L. Houziaux - Intensité du triplet de OI a lambda 7772 Å dans le spectre de quelques étoiles des premières types (1966).
191	9	n31	A.M. Delplace - Etude de la pulsation de l'enveloppe de HD 37202 (1968).
192	9	n32	Y. Andrillat and L. Houziaux - Etudes spectroscopiques de quelques étoiles Be dans le proche infrarouge photographique (1968).

CONTRIBUTIONS DE L'INSTITUT D' ASTROPHYSIQUE DE PARIS, SERIE A

195	n93		M.J. Berger, R. Canavaggia, M.D. Chalonge and A.M. Fringant - La discontinuité de Balmer de quelques étoiles à atmosphère étendue.
196	n124		A.M. Fringant - Etude du spectre continu de quelques étoiles à atmosphères étendus (1952).

CONTRIBUTIONS DE L'INSTITUT D' ASTROPHYSIQUE DE PARIS, SERIE B

198	n181		J. Berger - Classification d'étoiles doubles dans le systeme à 3 paramètres lambda D, phi _p .
-----	------	--	--

DOCUMENTATION DES OBSERVATEURS. INSTITUT D' ASTROPHYSIQUE DE PARIS

200	1950	29	L. Rebuffat - Photométric survey programm of Be stars (1950).
-----	------	----	---

ANNALES DE L'OBSERVATOIRE ASTRONOMIQUE ET METEOROLOGIQUE DE TOULOUSE

202	19	71	M.R. Bouigue - Sur le spectre de zeta Persei (1949).
203	20	45	M.R. Bouigue - Sur la vitesse radiale de zeta Persei (1950).
204	21	31	M.R. Bouigue - Binaires spectroscopiques (1952).
205	22	49	M.R. Bouigue - Binaires spectroscopiques (1954).
206	23	45	M.R. Bouigue - Binaires spectroscopiques (1955).
207	25	69	M.R. Bouigue - Binaires spectroscopiques (1957).
208	27	47	M.R. Bouigue - Contribution aux recherches de photométrie photoélectrique dans la galaxie (1959).
209	27	87	M.R. Bouigue and J.L. Chapuis - Binaires spectroscopiques 6me. Catalogue complémentaire (1959).
210	29	31	A. Pedoussaut - Binaires spectroscopiques (1963).
211	30	49	A. Pedoussaut - Binaires spectroscopiques (1964).
212	31	39	A. Pedoussaut - Binaires spectroscopiques (1965).

ASTRONOMISCHE NACHRICHTEN

215	277	167	G.R. Miosaika - Spektrographische Beobachtungen von Be und Ae Sterne (1949).
216	279	19	G.R. Miosaika - Spektrographische Beobachtungen von Be und Ae Sterne. III. (1950)
217	289	217	J. Dorschner - Über die Radien von Reflexionsnebeln und HII-Gebieten um B Sterne (1966).
218	290	155	S.N. Svolopoulos - Spectrophotometry of some lines in beta Lyrae (1967).

MITTEILUNGEN DER ASTRONOMISCHEN GESELLSCHAFT. HAMBURG-BERGE DORF

N	V	P	
220	1950	14	G. Miczaika - Das System phi Persei (1950).
ZEITSCHRIFT FÜR ASTROPHYSIK			
222	25	72	G.R. Miczaika - Über die beobachtbare Anzahl der Balmerlinien B-A, und F-Sterne (1948).
223	25	77	G.R. Miczaika - Die Wasserstoffabsorption in Sternen vom Spektraltyp B bis F (1948).
224	25	268	G.R. Miczaika - Ein Leuchtkraftkriterium für Sterne frühen Spektraltyps (1948).
225	26	11	G.R. Miczaika - Über die Spektren einiger schnellbewegter Sterne frühen spektraltyps (1949).
226	26	31	S. Günther - Über das Spektrum-Helligkeitsdiagramm der hellen Plejadensterne (1949).
227	27	107	S. Günther - Das Farbenhelligkeitsdiagramm der Plejaden (1950).
228	27	167	S. Günther - Untersuchungen an Farbenindizes I. Die Abweichungen der Sternstrahlung von schwarzer Strahlung (1950).
229	27	182	S. Günther - Untersuchungen an Farbenindizes II. Das Farbenhelligkeitsdiagramm der nächsten Sterne (1950).
230	28	43	G.R. Miczaika - Über das System phi Persei (1950).
231	28	203	G.R. Miczaika - Über den spektroskopischen Doppelstern Kappa Draconis (1951).
232	29	105	G.R. Miczaika - Über die spektroskopischen Doppelsterne eta Orionis und iota Pegasi (1951).
233	29	177	W. Becker - Farben-Helligkeits- und Farbdifferenz-Diagramme von Plejaden und Praesepe (1951).
234	29	262	G.R. Miczaika - Absolute Helligkeiten von 115 B-Sternen (1951).
235	30	96	P. Wellmann - Zur Analyse der Be-Spektren. III. Das Spektrum von gamma Cassiopeiae (1952).
236	31	140	S. Günther - Das kurzwellige Farbenhelligkeitsdiagramm der Plejaden und der Praesepe (1952).
237	31	298	G.R. Miczaika - Radialgeschwindigkeitmessungen von zeta Tauri 1949-1951 (1953).
238	40	249	S.v.d. Bergh - Polarization des Sternlichtes im Gebiet der Plejaden (1956).
239	45	264	L. Houziaux - On the spectrum of the primary component of beta Lyrae (1958).
240	46	145	T.H. Schmidt - Zur Analyse des Zusammenhangs zwischen interstellarer Polarization und interstellarer Verfärbung (1958).
241	47	54	A. Behz - Beobachtungen zur Wellenlängenabhängigkeit der interstellaren Polarization (1959).
242	48	249	H. Schmidt - Der Hüllenstern Omikron Andromedae (1959).
243	56	113	R.A. Ghobros - Die Wasserstoff- und Helium-Linien im Spektrum von P Cygni (1962).
244	58	217	Th. Schmidt-Kaller - Emissions-B-Sterne und galaktische Struktur (1964).
245	58	241	Th. Schmidt-Kaller - Die Be-Sterne, eine natürliche Spektralgruppe geringer Leuchtkraft-Streuung (1964).
246	59	108	C. Jaschek, M. Jaschek and B. Kucwicz - A survey of southern Be stars (1964).
247	62	6	B. Balázs - Luminous stars in a region south of h and chi Persei (1965).
248	62	203	M. Hack and F. Job - Chemical composition of the atmosphere of beta Lyrae (1965).
249	64	140	U. Haud, J. Pfeleiderer and J. Dachs - Sterne frühen Spektraltyps in Norma und Circinus (1957).
250	64	269	I. Appenzeller - Polarimetrische, photometrische und spektroskopische Beobachtungen von Sternen im Cygnus und Orion (1966).
251	68	29	A. Feinstein - A survey of southern Be stars. II. Photometric data (1968).
252	68	229	H. van Schewick - Eigenbewegung und absolute Helligkeit des Hüllensterns P Cygni (1968).
253	69	296	S.N. Svobopoulos - The relation between (B-V) color and radiation temperature deduced from eclipsing variables (1968).
254	66	457	T.J. Deeming and G.A.H. Walker - H gamma and HeI lines in O9-B5 spectra (1967).

STERNE

256	26	25	S. Günther - Der Hüllenstern Plejone (1950).
MITTEILUNGEN DER HAMBURGER STERNWARTE IN BERGEDORF			
258	9	303	P. Wellmann - The intensity of emission lines in stellar spectra (1956).
HAMBURGER STERNWARTE AND WARNER AND SWASEY OBSERVATORY			
260	1		J. Hardorp, K. Rohlf, A. Slettebak and J. Stock - Luminous stars in the northern Milky Way (1959).
261	2		J. Stock, J.J. Nassau and C.B. Stephenson - Luminous stars in the northern Milky Way (1960).
262	3		J. Hardorp, I. Theile and H.H. Voigt - Luminous stars in the northern Milky Way (1964).
263	4		J.J. Nassau and C.B. Stephenson - Luminous stars in the northern Milky Way (1963).

HAMBURGER STERNWARTE AND WARNER AND SWASEY OBSERVATORY

N	V	P	
264	5		J. Hardorp. I. Theile and H.H. Voigt - Luminous stars in the northern Milky Way (1965).
265	6		J.J. Nassau, C.B. Stephenson and D.J. Mac Connell - Luminous stars in the northern Milky Way (1965).
VERÖFFENTLICHUNGEN DER STERNWARTE DER UNIVERSITÄT BONN			
266	n70		T. Schmidt-Kaller - Die galaktischen Emissions-B-Sterne. (Spektralklassifikation, Photometrie, Entwicklung und Verteilung in der Milchstrassenebene) (1964).
MITTEILUNGEN DER STERNWARTE DER UNIVERSITÄT MÜNSTER			
267	n11		W. Rehenpenning - Emissions-B-Sterne und Galaktische Struktur (1967).
MITTEILUNGEN DER STERNWARTE SONNEBERG			
269	2	13	G. Jackisch - Lichtelektrische Messungen von omicron Andromedae (1963).
270	2	41	G. Jackisch - Lichtelektrische und spektrographische Beobachtungen an 48 Persei (1963).
PUBLICATIONS OF THE LABORATORY OF ASTRONOMY, UNIVERSITY OF ATHENS			
272	n13		S.N. Svolopoulos - Study of stars of spectral type B: The emission line star beta Orionis (1965).
MEMORIE DELLA SOCIETA ASTRONOMICA ITALIANA (NUOVA SERIE)			
274	22	105	M. Hack - Lo spettro di zeta Tauri (1951).
275	23	145	G. Righini and G. Mannino - Ricerche spettrofotometriche sulle stelle Be. Nota I. Studio della stella phi Persei (1952).
276	23	283	G. Righini e G. Mannino - Ricerche spettrofotometriche sulle stelle Be. Nota II. Studio della stella psi Persei (1953).
277	23	299	G. Righini e G. Mannino - Ricerche spettrofotometriche sulle stelle Be. Nota III. Studio della stella beta Monocerotis A (1953).
278	23	317	G. Mannino - Ricerche spettrofotometriche sulle stelle Be. Nota IV. Studio della stella delta Persei (1953).
279	24	31	M. Hack - Studio spettrofotometrico di 55 Cygni (1953).
280	24	89	M. Hack - Confronto fra un prisma-obiettivo ed uno spettrografo nell'analisi quantitativa delle atmosfere delle stelle di tipo O,B (1953).
281	24	215	G. Righini and G. De Strobel - Ricerche spettrofotometriche sulle stelle Be. V. Studio della stella 66 Ophiuchi (1953).
282	24	235	G. Mannino - Ricerche spettrofotometriche sulle stelle Be. VI. Lo spettro della stella kappa Cassiopeiae (1953).
283	24	393	G. de Strobel - Ricerche spettrofotometriche sulle stelle Be. VII. Studio della stella theta Coronae Borealis (1953).
284	24	405	G. de Strobel - Ricerche spettrofotometriche sulle stelle Be. VIII. Studio della stella 12 Vulpeculae (1953).
285	25	1	M. Hack - Risultati ottenuti da analisi quantitative di stelle B col metodo di Unsöld (1953).
286	25	217	S. Taffara - Ricerche spettrofotometriche sulle stelle Be. X. Lo spettro della stella HD 175863 (1954).
287	25	281	M. Hack - Lo spettro di zeta Tauri. II. (1954).
288	25	401	G. Godoli - Ricerche spettrofotometriche sulle stelle Be. XI. Studio della stella kappa Draconis (1954).
289	25	411	G. Godoli - Ricerche spettrofotometriche sulle stelle Be. XII. Studio della stella lambda Cygni (1954).
290	25	467	G. Godoli - Ricerche spettrofotometriche sulle stelle Be. XIII e XIV. Studio delle stelle nu Cygni ed HD 208682 (1954).
291	26	7	S. Taffara - Ricerche spettrofotometriche sulle stelle Be. XV. Studio della stella beta Piscium (B5-8Ve) (1955).
292	26	41	M. Hack - Lo spettro di zeta Tauri. III. (1955).
293	26	165	G. Mannino - Osservazioni e misure di spettri di stelle peculiari (1955).
294	26	207	A. Gennaro - Ricerche spettrofotometriche sulle stelle Be. XVI. Studio della stella omicron Cassiopeiae (1955).
295	26	409	P. Tempesti - Studio spettrofotometrico di 6 stelle di classe spettrale Be (1955).
296	26	489	M. Golay - Remarques sur le système photométrique de H.L. Johnson et W.W. Morgan et sur la photométrie en six couleurs de J. Stebbins et A.E. Whitford (1955).
297	28	71	M. Hack - Le variazioni spettrali di zeta Tauri dal 1950 al 1956 (1957).
298	28	163	S. Taffara - Ricerche spettrofotometriche sulle stelle Be. Nota 17. Studio della stella gamma Cassiopeiae (1957).
299	30	135	S. Taffara - Ricerche spettrofotometriche sulle stelle Be. Nota 18. Studio della

MEMORIE DELLA SOCIETA ASTRONOMICA ITALIANA (NUOVA SERIE)

N	V	P	
			stella 28 Tauri (Pleione) (1959).
300	31	211	A. Kranjc - Calcoli di orbite di stelle doppie. II. Studio di AO Cas di beta Lyrae (1960).
301	31	365	A. Fresa - Osservazioni fotoelettriche della variabile ad eclisse beta Lyrae (1960).
302	32	275	M. Hack, A. Gokgöz and I. Kendir - Expansional phase of the shell of zeta Tauri (1961).
303	33	159	P. Bott and M. Hack - A two-dimensional classification for stars of class O. (1962).
304	33	239	A. Gokgöz, M. Hack and I. Kendir - Study of the spectrum and radial velocities of zeta Tauri (1962).
305	34	3	M. Hack - Absolute magnitudes of O-type stars (1963).
306	34	87	A. Gokgöz, M. Hack, I. Kendir - Study of the spectrum of zeta Tauri in 1960 (1963).
307	35	331	M. Hack, C. Aydin and S. Islik - Contraction phase of the shell of zeta Tauri (1964).
308	36	331	C. Aydin, M. Hack and S. Islik - Spectrographic observations of zeta Tauri from 1961 to 1964 (1965).
309	38	623	M. Hack and P. Stenner - Variations in the shell spectrum of zeta Tauri (1967).

CONTRIBUTI DELL'OSSERVATORIO ASTROFISICO DELL'UNIVERSITA DI PADOVA IN ASIAGO

312	n51		G. Righini, G. de Strobel, G. Godolo, G. Mannino and S. Taffara - Studio spettrofotometrico di quindici stelle Be e di tre stelle B (1954).
313	n202		P.L. Bernacca - On the spectrum-color discrepancy of some late B stars in Orion (1968).

CONTRIBUTI DELL'OSSERVATORIO ASTRONOMICO DI MILANO-MERATE

316	n276		L.E. Pasinetti - The variable star omicron Andromedae (1968).
317	n283		L.E. Pasinetti - Osservazioni della variabile Omicron Andromedae dal 1961 al 1966 (1968).

CONTRIBUTIONS FROM THE BOSSCHA OBSERVATORY LEMBANG

320	n10		P-S. The - H alpha-emission stars in the vicinity of NGC 6334 and NGC 6537 (1961).
321	n12		P-S. The - Note on a possible new OB association in Scorpiud (1961).
322	n13		V.M. Blanco - A catalogue of H alpha emission objects in the galactic center region (1961).
323	n14		P-S. The - H alpha-emission objects in a dark region in Aquila and Scutum (1962).
324	n15		P-S. The - On faint H alpha-emission stars in Lupus and Scorpiud (1962).
325	n16		B. Hidajat - Objects with H alpha emission in Southern Coalsack (1962).
325	n17		P-S. The - Faint H alpha-emission objects in nebulosities surrounding the star m Cen (1962).
327	n23		P-S. The and H. Kenglim - New H-alpha emission stars in a region to the east of the T-association near rho Ophiuchi (1964).
328	n34		P-S. The - New H-alpha emission stars in the region of the OB association Sgr III (1966).
329	n35		P-S. The - A catalogue of new H-alpha emission stars in the eta Carinae nebula region (1966).

PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN

332	4	28	S. Miyamoto - On the radiation field of Be-stars. III. Theoretical Balmer decrement (1952).
333	4	157	S. Miyamoto - A relationship between the emission line contours and the stability of the atmospheres of the P Cygni stars (1952).
334	5	28	S. Miyamoto - On the interpretation of shell spectra (1953).
335	13	335	T. Kogure - The radiation field and theoretical Balmer decrement of Be stars III. (1961).
336	19	30	T. Kogure - The radiation field and theoretical Balmer decrement of Be stars. IV. (1967).
337	19	575	M. Kitamura - Studies on the close binary system RZ Scuti (1967).
338	20	178	T. Kogure - Emission-line widths of the Be star, HD 202904, and of some shell stars (1968).
339	20	190	S. Kikuchi - Time variations of the H alpha profile of beta Orionis (1968).
340	21	71	T. Kogure - On the formation of the Balmer line spectrum in the extended atmospheres of Be stars and shell stars (1969).

CONTRIBUTIONS FROM THE INSTITUTE OF ASTROPHYSICS AND KWASAN OBSERVATORY. UNIVERSITY OF KYOTO

343	n86		T. Kogure - The radiation field and theoretical Balmer decrements of Be stars. II. (1959).
-----	-----	--	--

ANNALS OF THE TOKYO ASTRONOMICAL OBSERVATORY

N	V	P	
344	6	148	K. Osawa and S. Hata - Three-color photometry of B8-A2 stars (1960).
BOLETIN DE LOS OBSERVATORIOS TONANTZINTLA Y TACUBAYA			
347	n2	1	L. Münch - Lista de estrellas "B" de luminosidad baja e intermedia (1952).
348	n8	3	G. Haro, B. Iriarte and E. Chavira - Nuevas estrellas con emisión en las regiones del Toro-Aurigae-Orion investigadas por Joy (1953).
349	n9	3	Gr. González and G. González - Estrellas Be-Ae en Cassiopea y Perseo (1954).
350	n9	21	G. González and Gr. González - Gigantes azules en Cassiopea y Perseo (1954).
351	n9	41	B. Iriarte and E. Chavira - Lista de estrellas de alta luminosidad (1954).
352	n11	25	Gr. González and G. González - Gigantes azules en las longitudes galácticas 270° a 330° (1954).
353	n11	27	B. Iriarte and E. Chavira - Nuevas gigantes azules entre longitudes galácticas $l = 345^\circ$ a $l = 35^\circ$ (1954).
354	n13	5	G. González and Gr. González - Gigantes azules en las longitudes galácticas de 103° a 180° (1955).
355	n13	12	B. Iriarte and E. Chavira - Gigantes azules entre $l = 330^\circ$ y $l = 35^\circ$ (1955).
356	n13	19	B. Iriarte and E. Chavira - Nuevas estrellas de tipos espectrales tempranos con H alfa en emisión entre $l = 338^\circ$ y $l = 33^\circ$ (1955).
357	n14	19	Gr. González and G. González - Estrellas con H alfa en emisión en longitudes galácticas de 103° a 180° (1956).
358	n14	31	B. Iriarte and E. Chavira - Lista de estrellas con H alfa en emisión entre $l = 338^\circ$ y $l = 33^\circ$ (1956).
359	n14	35	L. Münch - Lista de estrellas de alta luminosidad. III. (1956).
360	n15	16	Gr. González and G. González - Estrellas con H alfa en emisión en las longitudes galácticas de 59° a 90° (1956).
361	n25	305	H.L. Johnson - The colors, bolometric corrections and effective temperatures of the bright stars (1964).
362	n26	33	B. Iriarte - Fotometría fotoeléctrica en BVRI para 275 estrellas comprendidas en su mayoría entre -25° y -50° (1965).
363	n28	106	E. Mendoza V - UBVRI photometry of southern bright stars (1967).
364	n29	149	E. Mendoza V - Multicolor photometry of stellar aggregates (1967).
365	n32	89	B. Iriarte - Photometry in UBVRIJHKL of the early main sequence in the Pleiades down to GOV (1969).
BULLETIN OF THE ASTRONOMICAL INSTITUTES OF THE NETHERLANDS			
368	11	193	A.D. Thackeray, A.J. Wesselink and P.Th. Oosterhoff - Additional observations and improved ephemeris of VV Puppis (1950).
369	11	299	P.Th. Oosterhoff - Photoelectric colours of southern early-type stars (1951).
370	12	1	P.J. van Rhijn - The dependence of interstellar absorption of light on the wavelength (1953).
371	12	201	J. Borgman - The dependence of interstellar absorption of light on the wavelength (1953).
372	13	51	A.B. Müller, Th. Walraven and L. Woltjer - Radial velocities of omicron Persei and zeta Persei (1956).
373	13	127	J. Borgman - The dependence of interstellar absorption of light on the wavelength (1956).
374	15	67	Th. Walraven and J.H. Walraven - A new photoelectric method of classification of luminosity and spectral type for O-and B-type stars (1960).
375	15	255	J. Borgman - Seven-colour photometry of O-B and A stars (1960).
376	15	265	A. Blaauw - On the origin of the O and B-type stars with high velocities (the "run-away" stars), and some related problems (1961).
377	16	163	D. Koelbloed - A study of the low-excitation nebula around HD 138403 (1962).
378	17	358	J. Borgman and A. Blaauw - Luminosities and photometric distance of early-type stars (1964).
379	20	1	J.R.W. Heintze - Temperature gravity and mass of Vega, Sirius and tau Herculis (1968).
380	20	47	T.S. van Albada - Statistical properties of early-types double and multiple stars (1968).
381	20	120	H.J. Habing - An atlas of 21-cm line profiles in the directions of stars with interstellar absorption lines (1968).
382	20	154	J.R.W. Heintze - On the temperature scale of B-type stars (1969).
383	20	204	T.S. van Albada and D. Sher - Radial velocities of B stars in the Scorpius-Centaurus association (1969).
384	20	225	M. de Groot - On the spectrum and nature of P Cygni (1969).
385	20	274	A.B.M. Smit - Line profiles in the spectrum of beta Orionis (1969).

ACTA ASTRONOMICA

N	V	P	
388	14	52	R. Ampel - Cassiopeia Associations: Cas III, Cas IV and Cas V (1964).
STUDIA SOCIETAS SCIENTIA TORUNENSIS			
390	2	n3	R. Ampel - A study of galactic structure in four selected fields in Aquila-Sagitta and Cassiopeiae. Part. IIIa (1959).
MONTHLY NOTES OF THE ASTRONOMICAL SOCIETY OF SOUTH AFRICA			
393	10	60	A.W.J. Cousins - Bright variable stars in southern hemisphere (1951).
394	11	9	A.W.J. Cousins - Bright variable stars (1952).
395	12	72	A.D. Thackeray - The spectrum of HD 141969 (1953).
396	14	14	R.H. Stoy - Photoelectric magnitudes and colours for 138 southern stars (1955).
397	14	34	R.H. Stoy - Photoelectric magnitudes and colours for 168 southern stars (1955).
398	15	27	R.H. Stoy - Photoelectric magnitudes and colours for 300 southern stars (1956).
399	16	38	R.H. Stoy - Photoelectric magnitudes and colours for 56 southern stars (1957).
400	17	142	R.H. Stoy - Photoelectric three colour magnitudes for 436 southern stars (1958).
401	18	46	A.W.J. Cousins - Measures of bright southern stars on UBV system (1959).
402	18	48	R.H. Stoy - Some bright variable stars (1959).
403	21	20	A.W.J. Cousins - Photometric data for stars in equatorial zone (first list) (1962).
404	21	56	R. Lake - Photoelectric magnitudes and colours for 168 southern stars (1962).
405	21	61	A.W.J. Cousins - Photometric data for stars in the equatorial zone (second list) (1962).
406	22	12	A.W.J. Cousins - Photometric magnitudes for stars in the equatorial zone (third list) (1963).
407	22	58	A.W.J. Cousins - Photometric data for stars in the equatorial zone (fourth list) (1963).
408	22	65	A.W.J. Cousins and P.R. Warren - Variable stars observed during the Cape bright star programme (1963).
409	22	79	R. Lake - Photoelectric magnitudes and colour for 242 southern stars (1963).
410	22	30	A.W.J. Cousins - Photometric data for stars in the equatorial zone (fifth list) (1963).
411	23	14	R. Lake - Photoelectric magnitudes and colours for 100 southern stars (1964).
412	23	136	R. Lake - Photoelectric magnitudes and colours for 100 southern stars (fifth list) (1964).
413	23	175	A.W.J. Cousins - Photometric data for stars in the equatorial zone (seventh list) (1964).
414	24	41	R. Lake - Photoelectric magnitudes and colours for bright southern star (sixth list) (1965).
415	24	120	A.W.J. Cousins - Photometric data for stars in the equatorial zone (eighth list) (1965).
416	25	44	P.M. Corben - Photoelectric magnitudes and colours for bright southern stars (1966).
417	26	109	D.P. Hube - Three new Be stars (1967).
418	27	119	R.H. Stoy - Photoelectric magnitudes and colours for bright southern star (1969).
ASTROPHYSICS			
421	2	50	A.A. Boyartchuk - The variable star AG Draconis (1966).
422	2	57	T.S. Belyakina - Photoelectric observations of AG Draconis in 1965 (1966).
423	2	175	O.S. Shulov - Changes in the polarization of beta Lyrae (1966).
424	3	111	O.S. Shulov - Interpretation of the polarization variability of beta Lyrae radiation (1967).
ASTRONOMICAL CIRCULARS, U.R.S.S.			
427	158	12	K.C. Saidov - On the variation of the bright helium lines in the spectrum of beta Lyrae (1955).
428	191	13	I.D. Kupo - Relative Photometrie des kontinuierlichen Spektrums von phi Persei (1958).
429	202	12	M.W. Dolidze - Neue Emissions Sterne bei CO Orionis (1959).
430	301	2	I.F. Alania - The increase of intensity of the bright line 3889 Å in the spectrum of the MWC 84 (1964).
431	450	4	M.V. Dolidze and G.N. Jimsheleishvili - Depression in the spectra of some type stars (1967).
ASTRONOMICAL COUNCIL OF THE ACADEMY OF SCIENCES OF THE U.R.S.S.			
432	1		S.N. Korytnikov, M.I. Lavrov and D. Martinov - Bibliography of spectroscopic double stars (1961).
433	2		S.N. Korytnikov, M.I. Lavrov and D. Martinov - Bibliography of spectroscopic double stars (1961).

ASTRONOMICAL JOURNAL OF THE ACADEMY OF SCIENCE OF THE U.S.S.R.

N	V	P	
436	28	450	W.G. Gorbatzky - The interpretation of the variations in the spectrum of Gamma Cassiopeiae (1951).
437	30	153	L.V. Mirzozjan - Spectrophotometry of the continuous spectrum of hot stars (1953).
438	31	413	W.G. Gorbatzky - On the cause of the appearance of sharp absorption lines in the spectra of Be stars (1954).

SOVIET ASTRONOMY

439	1	192	A.A. Boyartchuk - Some characteristics of shells of Be stars (1957).
440	1	822	K.A. Barkhatova - The open stellar clusters NGC 6823 and NGC 6830 (1957).
441	1	812	A.Ia. Filin - The kinematic peculiarities of B stars and the rotation of the local system (1957).
442	3	188	G.A. Manova - New emission stars in the constellation Orion (1959).
443	3	665	T.S. Kirillova - Photographic magnitudes of faint stars in the region of sigma and zeta Orionis (1960).
444	3	735	A.A. Boyartchuk - A quantitative analysis of the chemical composition of the atmospheres of the bright component of beta Lyrae (1960).
445	3	802	I.D. Kupo - The spectrophotometric study of chi Ophiuchi. I. Variations of the continuous spectrum of chi Ophiuchi (1960).
446	3	748	A.A. Boyartchuk - A quantitative analysis of the chemical composition of the atmosphere of the bright component of beta Lyrae (1960).
447	4	85	I.D. Kupo - A spectrophotometric study of chi Ophiuchi. Some properties of the emission spectrum of chi Ophiuchi (1960).
448	5	368	I.D. Kupo - The variable spectrum of chi Ophiuchi (1961).
449	6	286	V.P. Arkhipova - The emission star HD 51585 (1962).
450	6	429	N.M. Artyukhina - The proper motion of the star BD +40°4124, associated with nebula S213 (1962).
451	7	51	V.P. Arkhipova - Photometry of the continuous spectrum of P Cygni type stars (1963).
452	7	519	V.Y. Alduseva and I.N. Glushneva - Ultraviolet emission lines in the envelope of beta Lyrae (1964).
453	7	686	V.P. Arkhipova - A determination of the dispersion of the absolute magnitudes of P Cygni type stars (1964).
454	7	806	N.M. Shakhovskoy - Investigation of the polarization of radiation of variable stars. I. (1964).
455	8	163	I.N. Glushneva - Ultraviolet spectrophotometry of some hot stars (1964).
456	8	833	N.M. Shakhovskoy - Polarization in variable stars II. Eclipsing binaries (1965).
457	9	nl	M.W. Dolidze and G.A. Ponomareva - New emission stars in Cassiopeia (1965).
458	9	297	Z.V. Karyagina and A.V. Kharitonov - A study of the UV photometric system (1965).
459	10	47	V.I. Moroz - Infrared spectra of stars (lambda 1-2.5 microns (1966).
460	10	331	A.A. Boyartchuk, V.P. Esipov and V.I. Moroz - The continuous spectrum of AG Pegasi (1966).
461	10	783	A.A. Boyartchuk - Spectrophotometry of AG Pegasi 1964-1965 (1967).
462	10	1059	E.A. Dibai and N.M. Shakhovskoi - Polarization observations of DQ Herculis (nova Herculis 1934) (1967).
463	11	8	A.A. Boyartchuk - The nature of AG Pegasi (1967).
464	11	16	V.G. Karetnikov - Spectrophotometry of RZ Scuti (1967).
465	11	211	L.S. Laud - The spectrum of P Cygni in 1964 (1967).
466	11	818	A.A. Boyartchuk - The binary nature of Z Andromedae (1968).

BOLETIN DE ESTRELLAS VARIABLES

469	12	372	D. Dokuchayeva - The determination of the spectrophotometric temperature and the Balmer serie decrement of AG Pegasi (1952) (1959).
470	12	391	A.S. Sharov - To the problem of the variation of brightness of the Pleiades cluster (1960).
471	12	398	R.A. Botsula and A.S. Sharov - A comparison of the variations of brightness and the spectrum of Pleione (1959).
472	12	432	J.D. Kupo - The variations of brightness of chi Ophiuchi (1959).
473	13	434	A.S. Sharov - The light variations of Pleione (1961).

BULLETIN OF THE ASTROPHYSICAL OBSERVATORY ABASTUMANI

476	24	3	M.W. Dolidze and W.W. Wjasowow - The stars with H alpha-emission in the region around mu Cephei (1959).
477	24	7	M.W. Dolidze - The stars with H alpha-emission around the cluster NGC 7380 (1959).
478	28	121	M.W. Dolidze and Th. Pugaoh - Spectrophotometry of four non-stable stars with absorption bands in their spectra (1961).

COMMUNICATIONS OF THE BJURAKAN OBSERVATORY

N	V	P	
481	16	41	L.V. Mirzoian - Photometric investigations of the continuous spectrum of ten hot stars (1955).
482	23	25	I.L. Ivanova - Beobachtungen von 59 Cygni in den Jahren 1954-1956 (1957).
483	32	25	R.H. Movhannisyan - A spectrophotometric investigation of some Be type stars (1963).
484	35	75	L.V. Mirzoian - On the distribution of O-B stars in the association Perseus I (1964).

NOTICIAS DEL OBSERVATORIO ASTRONOMICO DE CRIMEA

487	1	44	G.A. Shajn - Radial velocities of 131 stars brighter than 6^m75 (1947).
488	1	59	V.F. Gase - The spectrum of gamma Cassiopeia in 1940 and 1941 (1947).
489	6	84	T.S. Brodskayj - Electrophotometric observations of four supergiants and two Wolf Rayet stars (1950).
490	7	67	G.A. Shajn - The central intensity of the strong absorption lines in stellar spectra (1951).
491	10	104	E.S. Brodskaya - The spectra and magnitudes of 400 stars of spectral class O-B5 in Milky Way area centered at $\alpha = 23^h27^m$, $\delta = +61^\circ$ (1953).
492	10	120	I.M. Kopylov - The spectra and magnitudes of 731 weak stars of spectral classes O-B5 in Milky Way area centered at $\alpha = 1^h25^m$, $\delta = +61^\circ50'$ (1950).
493	11	59	E.P. Muste, L.S. Galkin and I.M. Kopylov - Spectrophotometry of gamma Cassiopeia (1954).
494	12	162	I.M. Kopylov - The spectrum of gamma Cassiopeia in October 1953 (1954).
495	14	3	E.S. Brodskaya - Catalogue of spectral classes, magnitudes and color indices of 5752 stars in an area of the Milky Way centered at $\alpha = 2^h25^m$, $\delta = 61^\circ30'$ (1955).
496	15	190	H. Kopylov and A.A. Boyartchuk - The spectrum of gamma Cassiopeia (1955).
497	16	143	A.A. Boyartchuk - Spectrophotometric observations of gamma Cassiopeia in 1955 (1956).
498	17	89	A.A. Boyartchuk - A comparison of the chemical composition of B and Be stars (1957).
499	17	117	A.A. Boyartchuk - An investigation of zeta Tauri (1957).
500	18	55	A.A. Boyartchuk - Spectrophotometric observations of gamma Cassiopeiae in 1956 (1958).
501	19	165	A.A. Boyartchuk - Gamma Cassiopeiae in 1940 (1958).
502	19	189	A.B. Numerova - The space distribution of early type stars in Cygnus (1958).
503	19	230	A.B. Numerova - A catalogue of the spectra, photographic magnitudes and colour centre of 5.000 stars in Cygnus in an area of $6^\circ \times 6^\circ$ with the centre at $\alpha 1950 = 20^h05^m$, $\delta 1950 = +36^\circ$ (1958).
504	20	118	A.A. Boyartchuk - Gamma Cassiopeiae in 1941 (1958).
505	20	123	I.M. Kopylov - The equivalent widths of absorption lines in the spectra of 109 O5-B7 stars (1958).
506	20	157	M. Kopylov - A two dimensional quantitative spectral classification of 238 O5-B7 stars and the construction of a spectrum-absolute magnitude diagram (1958).
507	20	209	I.I. Pronik - Spectral classes, stellar magnitudes and colour indices of 3915 faint stars in an area with the center $\alpha = 18^h10^m$, $\delta = -15^\circ00'$ (1950) (1958).
508	20	299	E.S. Brodskaya and P.F. Shajn - Spectra and photographic magnitudes of 3340 stars in Perseus (1958).
509	21	54	A.A. Boyartchuk - A quantitative analysis of the atmosphere of the supergiant kappa Cassiopeiae (1959).
510	21	229	R.N. Ikhsanov - The spectra, magnitudes and colours of O-A type stars in an area of the Milky Way, with the center $\alpha = 20^h16^m$, $\delta = +42^\circ30'$ (1959).
511	22	176	N. Dimov and V.B. Nikonov - A photoelectric determination of the equivalent widths of H alpha in the spectra of early type stars (1960).
512	22	189	I.M. Kopylov - The equivalent widths of absorption lines in the spectra of 62 B8-F2 type stars (1960).
513	22	257	T.S. Belyakina and P.F. Chugainov - On the precision of the determination of spectral classes and colour excesses of O-A2 stars by the method of two-colour diagrams (1960).
514	23	60	L.P. Metik - Spectral classes, photographic magnitudes and colour indices of 3404 stars in Cygnus (center $\alpha = 20^h44^m$, $\delta = +45^\circ00'$ (1950) (1960).
515	23	148	I.M. Kopylov - A two-dimensional quantitative spectral classification of B8-F2 stars (1960).
516	24	160	E.S. Brodskaya - Spectra, photographic magnitudes and colour indices of 3206 stars in Cassiopeiae (1960).
517	28	3	O.P. Hollandsky and I.M. Kopylov - A quantitative analysis of atmospheres of hot supergiants. II. A determination of temperatures and turbulent velocities in the atmospheres of nine O9.5-B5 supergiants (1962).
518	29	268	A.A. Boyartchuk - A spectrophotometric study of Be stars with thick envelopes (1963).

NOTICES OF THE CRIMEAN ASTROPHYSICAL OBSERVATORY

N	V	P	
519	31	3	A.A. Boyartchuk and I.I. Pronik - A study of the H alpha line profile in Be star spectra (1964).
520	31	44	A.A. Boyartchuk and I.M. Kopylov - A general catalogue of rotational velocities of 2.558 stars (1964).
521	34	106	E.A. Vitrichenko - Spectrophotometry of supergiants (1965).
522	34	114	E.A. Vitrichenko and Y.S. Efimov - Electropolarimetric observations of chi ² Orionis (1965).
523	34	118	A.A. Boyartchuk - A spectrophotometric study of zeta Tauri in 1964 (1965).
524	34	193	E.A. Vitrichenko, R.E. Gerschberg and L.P. Metik - An investigation of high velocity early type stars (Run away OB stars) (1965).
525	35	3	A.A. Boyartchuk and R.E. Gerschberg - Spectroscopic observations of the symbiotic stars Z Andromedae, AG Pegasi and Ag Draconis (1966).
526	35	8	A.A. Boyartchuk - A spectrophotometric study of AX Persei (1966).
527	35	45	A.A. Boyartchuk - The Balmer decrement in the spectra of moving mediums (1966).
528	36	175	T.S. Galkina - A study of the physical conditions in the atmospheres of early type close binary systems. I. Plaskett's star HD 47129 (1967).
529	36	203	A.A. Boyartchuk and I.I. Pronik - A spectrophotometric study of zeta Tauri (1967).
530	37	182	R.N. Kumaigoroskaya - An analysis of spectra of high galactic latitude O star (1967).
531	37	236	A.A. Boyartchuk and I.I. Pronik - A study of a binary system with an envelope: AX Monocerotis (1967).
532	37	251	Y.S. Efimov - Polarization observations of several variable stars (1967).
533	38	155	A.A. Boyartchuk - A spectrophotometric investigation of Z Andromedae in 1960-1965 (1967).
534	38	171	T.S. Belyakina - Colours of symbiotic stars (1967).
535	39	63	E.A. Vitrichenko - An investigation of high velocity early type star (Run-away stars) II (1969).

PUBLICATIONS OF THE ACADEMY OF SCIENCES OF KASAKSTAN, SECTION ASTROBOTANICS

538	8	195	I.D. Kupo - Spectral photometry of the white emission line star chi Ophiuchi (1960).
-----	---	-----	--

COMMUNICATIONS DE L'OBSERVATOIRE CENTRAL PULKOVO

540	19	1	W. Krat - On the evolution of the stars II (1952).
-----	----	---	--

COMMUNICATIONS OF THE STERNBERG ASTRONOMICAL INSTITUTE

542	n136		E.S. Brodskaja and N.B. Grigorieva - Spectra, visual magnitudes and color indices in Cassiopeia (1965).
-----	------	--	---

BULLETIN OF THE ASTRONOMICAL OBSERVATORY VILNIUS

544	12	1	J. Masnauskas - The catalogue of stellar spectra, magnitudes and colour indices in the Milky Way region with the center alpha 1950 = 22h32m, delta 1950 = +58°00' (1964).
545	13	29	R. Bartkus - The catalogue of 2455 stars in the middle part of the Orion Association (1964).
546	15	49	Z. Zileviciute and V. Straizys - The energy distribution in the spectrum of gamma Cassiopeia in 1963-1965 (1965).

ARKIV FOR ASTRONOMI

548	2	9	B. Westerlund - On the reddening of the Pleiades (1957).
549	2	83	B. Westerlund - On the classification of early type stars (1957).
550	2	171	A. Wallenquist - Photoelectric determinations of colours and differences in magnitudes of double stars (1958).
551	3	97	C. Roslund - A survey of O and B stars in a region of Scutum (1963).
552	4	73	C. Roslund - Investigations of a Milky Way field in Scorpius. II. Hydrogen line intensities and spectral types of O and B stars (1966).

UPPSALA ASTRONOMISKA OBSERVATORIUM ANNALES

554	4	n10	B. Ljunggren and T. Oja - The Uppsala spectral classification (1961).
-----	---	-----	---

PUBLICATIONS DEL OBSERVATOIRE ASTRONOMIQUE DE L'UNIVERSITE, ISTAMBUL

556	n69		K. Ozemre - Etudes sur les variations spectrales de trois étoiles de type Be (1961).
-----	-----	--	--

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY

558	108	131	W.M.H. Greaves - The photometry of the continuous spectrum (1948).
559	110	15	S.C.B. Gascoigne - Relative gradients for southern stars (1950).
560	110	84	M. Johnson - Adjustments within shells and asymmetric ejecta from Z Andromedae, zeta

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY

N	V	P	
			Auriga, beta Lyra, rho Cassiopeia and gamma Cassiopeia (1950).
561	110	524	A.D. Thackeray - Some southern stars involved in nebulosity (1950).
562	110	531	A.W.J. Cousins - Magnitudes of bright stars in the regions observed by the Fabry method (1950).
563	110	615	D.R. Barber - Visual and far-red gradients and colour temperatures of gamma Cassiopeiae (1950).
564	111	325	A.R. Hogg and B. Hall - Narrow-band photoelectric photometry of bright southern stars (1951).
565	111	490	M. Johnson - Delays in fluorescence applicable to the blue-red binaries T Corona Borealis; Z Andromedae; R. Aquarii; AX Persei; alpha Scorpii and RW Hydra (1951).
566	111	537	P.B. Fellgett - An exploration of infrared stellar magnitudes using the photo-conductivity of lead sulphide (1951).
567	112	125	J.A. Rottenberg - Theoretical line profiles for stars of P Cygni type (1952).
568	113	357	H.W. Babcock and T.G. Cowling - Reports on the progress of Astronomy. General magnetic fields in the sun and stars (1953).
569	113	477	A.B. Underhill - On the problem of the H alpha emission in the shell stars (1953).
570	113	530	C.S. Beals and J.B. Oke - On the relation between distance and intensity for interstellar calcium and sodium lines (1953).
571	113	746	A.R. Hogg - Photometry of the galactic cluster NGC 6025 (1953).
572	114	490	R.V.d.E. Woolley, S.C.B. Gascoigne and A. de Vaucouleurs - Photographic observations of monochromatic magnitude at six wavelengths (1954).
573	114	680	M.K. Vainu Bappu - A photoelectric study of early-type supergiants around h and chi Persei (1954).
574	114	687	M.K. Vainu Bappu - Magnitudes and colours of some members of Perseus cluster (1954).
575	116	3	A.J. Wesselink - Spectroscopic and photometric observations of S Doradus (1956).
576	117	193	M.W. Feast - Radial velocities and spectral types in the galactic clusters M 25 and NGC 6087 (1957).
577	117	449	A. de Vaucouleurs - Spectral types and luminosities of B, A and F southern stars (1957).
578	118	80	R.M. Petrie - A re-examination of the space motions and luminosities of the stars of the Cassiopeiae-Taurus group based upon new radial velocities (1958).
579	118	618	M.W. Feast - Spectral types and radial velocities in the galactic cluster NGC 3293 (1958).
580	119	534	D.R. Barber - Visual and far-red gradients and colour temperatures of gamma Cassiopeiae. II. (1959).
581	119	629	A.D. Thackeray - The emission line spectrum of the eclipsing variable AR Pavonis (1959).
582	119	638	D.S. Evans, A. Menzies and R.H. Stoy - Fundamental data for southern stars. (Second list) (1959).
583	121	263	W. Buscombe and P.M. Morris - The Scorpio-Centaurus association. I Radial velocities of 120 bright stars (1960).
584	121	337	M.W. Feast, A.D. Thackeray and A. Wesselink - The brightest stars in the Magellanic clouds (1960).
585	121	503	P. Treanor, S.F. - Stellar rotation in galactic open clusters (1960).
586	122	239	M.W. Feast, R.H. Stoy, A.D. Thackeray and A.J. Wesselink - Spectral classification and photometry of southern B stars (1961).
587	122	325	P.M. Morris - The Scorpio-Centaurus association. II. Spectral types and luminosities of 220 O, B and A stars (1961).
588	123	81	A.J. Meadows - Turbulence and rotation in early-type stars (1961-62).
589	123	191	A. Beer - Distances of southern B-stars and galactic structure from H gamma-luminosities (1961-62).
590	123	521	M.K. Vainu Bappu, S. Chandra, N.B. Sanwal and S.D. Sinhal - Photoelectric measures of hydrogen-line absorption in early-type stars (1961-62).
591	124	189	W. Buscombe - The Scorpio-Centaurus association. III. Radial velocities of 70 additional stars (1962).
592	124	195	W. Buscombe and P. Morris Kennedy - The Scorpio-Centaurus association. IV Interstellar absorption lines in the southern Milky Way (1962).
593	125	105	J.B. Whiteoak - An association of O and B stars in Ara (1963).
594	125	141	G.A.H. Walker - Photoelectric measures of the 4430 A diffuse interstellar band (1963).
595	126	11	M.W. Feast - The galactic cluster NGC 4755 (kappa Crucis) (1963).
596	126	29	W. Buscombe - Radial velocities of bright southern stars. III (1963).
597	127	71	B.E. Westerlund - An OB association in the region of RS Puppis (1963-64).
598	128	261	A. Beer - Photoelectric distances of 461 northern OB-stars and galactic structure H gamma-luminosities (1964).

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY

N	V	P	
599	130	281	W. Buscombe and P. Morris Kennedy - Radial velocities of 200 southern B stars (1965).
600	131	247	B.J. Bok, P.F. Bok and J.A. Graham - A photometric study of the I Scorpii association (1965).
601	131	299	J.B. Hutchings - 4430 Å band absorption in the Magellanic Clouds (1966).
602	132	423	N. Visvanathan - Interstellar polarization in the Large Magellanic Cloud (1966).
603	132	433	J.B. Hutchings - Equivalent widths of H gamma in stellar spectra of the Magellanic Cloud (1966).
604	135	377	J.A. Graham - Photoelectric H beta photometry in seven open clusters and in the Scorpio-Centaurus Association (1967).
605	137	337	M.E. Dixon - Spiral arms (1967).
606	138	109	L.F. Smith - A revised spectral classification system and a new catalogue for galactic Wolf-Rayet stars (1968).
607	139	313	A. Przybylski - The analysis of the spectrum of the Large Magellanic Cloud supergiant HD 33579 (1968).
608	139	341	W. Buscombe and P.M. Kennedy - Stellar radial velocities from Coudé spectrograms (1968).
609	140	121	T.R. Stoeckley - Determination of aspect and degree of differential rotation, from line profiles in rapidly rotating stars (1968).
610	143	1	W. Buscombe and P.M. Kennedy - Radial velocities of southern OB stars and supergiants (1969).
611	143	273	A. Feinstein - The OB stars in Carina-Centaurus (1969).
612	144	1	W. Buscombe - Line strengths for southern OB stars. I. Spectrograms with high dispersion (1969).
613	144	31	W. Buscombe - Line strengths for southern OB stars. II. Observations with moderate dispersion (1969).
614	144	235	J.B. Hutchings - Expanding atmospheres in OB supergiants. III. P Cygni (1969).
615	146	101	T.Ll. Evans - The open cluster IC 2581 (1969).
616	146	329	A.J. Wesselink - Photometry of NGC 4103 (1969).
617	148	79	W. Buscombe - Line strengths for southern OB stars. IV. Emission-line profiles (1970).

MEMOIRS OF THE ROYAL ASTRONOMICAL SOCIETY

619	67	51	M.W. Feast, A.D. Thackeray and A.J. Wesselink - Radial velocities of southern B stars determined at the Radcliffe Observatory (Paper I) (1955).
620	67	155	C.S. Gum - A survey of southern HII regions (1955).
621	68	1	M.W. Feast, A.D. Thackeray and A.J. Wesselink - Radial velocities of southern B stars determined at the Radcliffe observatory (Paper II) (1956-63).
622	68	173	M.W. Feast and A.D. Thackeray - Radial velocities of southern B stars determined at the Radcliffe observatory (Paper III) (1963).
623	70	33	A.D. Thackeray - Radial velocities of southern B stars determined at the Radcliffe observatory. IV The Scorpius-Centaurus association (1966).
624	72	35	P.J. Andrews - Measurements of the strength of H alpha in 951 early-type stars (1968).

THE OBSERVATORY

627	71	199	A.W.J. Cousins - Bright variable stars in southern hemisphere (1951).
628	72	125	W.S. Finsen - New double stars (1952).
629	72	242	D.L. Edwards - The shell spectrum of omicron Andromedae (1952).
630	73	86	E.M. Burbidge and G.R. Burbidge - A new shell star (1953).
631	74	73	V. Barocas and G. Righini - The infrared spectrum of beta Lyrae (1954).
632	75	34	F.J.M. Stratton - The spectrum of beta Lyrae (1955).
633	75	68	M. Johnson - Some electromagnetic effects of eruption from ringed stars and Wolf-Rayet binaries (1955).
634	75	222	R. Wilson - Emission lines in O stars (1955).
635	75	256	E.M. Burbidge and G.R. Burbidge - Complex structure in the hydrogen emission lines of mu Centauri (1955).
636	76	150	C.S. Gum - The extent and excitation of the large HII region in Vela-Puppis (1956).
637	77	108	E.K. Kharadse - Variation in the light and colour of P Cygni (1957).
638	78	149	R.v.d.R. Woolley and O.J. Eggen - On the reality of expanding motions in the Lacerta aggregate (1958).
639	79	99	S. Archer - A further note on omicron Andromedae (1959).
640	79	155	J. Sahade, S.S. Huang, O. Struve and V. Zebergs - The spectrum of beta Lyrae (1959).
641	80	229	O. Struve and M.S. Wade - A note on the brighter Pleiades (1960).
642	81	144	E. Vandekerckhove - Gradients of gamma Cassiopeiae 1957-59 (1961).
643	81	150	J. Crampin - The Pleiades B stars (1961).

THE OBSERVATORY

N	V	P	
644	82	207	A.D. Thackeray - Coude spectra of Magellanic Cloud supergiants (1962).
645	84	263	D. Sher - A search for star clusters listed near eta Carinae (1964).
646	87	286	M.W. Feast and T. Lloyd Evans - The variable star HD 170682 in M 25 (1967).
647	87	289	J.B. Hutchings - Rapid variation in time of line profiles of early-type stars (1967).
648	87	296	E.K. Kharadse and N.L. Magalashvili - P Cygni-a W UMA variable (1967).
649	88	167	J.D. Fernie - On the interpretation of P Cygni (1968).

PUBLICATIONS OF THE ROYAL OBSERVATORY, EDINBURGH

652	1	115	W.M.H. Greaves, E.A. Baker and R. Wilson - Spectrophotometric measurements of early type stars. 2 Results for stars of type B1 (1955).
653	2	1	R. Wilson - Spectrophotometric measurements of early type stars. 2. Further results and discussion for B1 stars (1956).
654	2	113	H.W. Butler and H. Seddon - Spectrophotometric measurements of early type stars. 5. Results and discussion for 20 stars of MK type B2 (1958).
655	2	187	H.E. Butler and H. Seddon - Spectroscopic measurement of early type-stars 6. Results and discussion for 25 stars of MK type B3 (1960).
656	2	225	H.E. Butler and G.I. Thompson - Spectrophotometric measurements of early type stars. 7. Results and discussion for 10 stars of MK type B5 and 7 stars of miscellaneous types (1961).

ROYAL OBSERVATORY BULLETIN

659	121	E3	A.W.J. Cousins, R. Lake and R.A. Stoy - Photoelectric magnitudes and colours of southern stars. II (1966).
-----	-----	----	--

THE ASTRONOMICAL JOURNAL

662	55	9	J. Schilt and C. Jackson - Photoelectric determination of the colors of 286 stars south of declination -15° (1949).
663	55	169	I. Holliday and J.F. Heard - Observations of the variable spectrum of the star HD 218393 (1949-51).
664	55	230	B.S. Whitney - Some eclipsing variable stars (1951).
665	56	1	M.P. Savedoff - One cos w for eclipsing binaries (1951).
666	56	44	D.B. McLaughlin - The Be shell star beta ¹ Monocerotis (1951).
667	56	46	M.G. Roman - An aggregate of early-type stars near P Cygni (1951).
668	56	134	Wm. Markowitz - Photographic polarization results for extragalactic nebulae in Coma, Southern stars, and HD 14633 (1951).
669	56	143	A.B. Underhill - A spectrophotometric study of the shell star zeta Tauri (1951).
670	56	209	J. Schilt and C. Jackson - Photoelectric colors of 2031 stars south of declination -15° (1951).
671	57	18	D.B. McLaughlin - Spectroscopic observations of the eclipse of 31 Cygni (1952).
672	57	168	A.B. Underhill - The radial velocity variations of the shell star zeta Tauri (1952).
673	57	213	B.J. Bok and U.V. Wijk - Photoelectric colors of B stars in five regions of the southern Milky Way (1952).
674	58	232	A.B. Underhill - The shell star 48 Librae (1953).
675	59	321	G. Grant and L.H. Aller - The emission spectrum of the magnetic variable AG Pegasi (1954).
676	59	332	A. Underhill - The composite spectrum of HD 50820 (1954).
677	60	65	O.J. Eggen - Magnitudes and colors for 833 northern and southern stars (1955).
678	60	177	C.K. Seyfert - Emission B stars in the association I Persei (1955).
679	60	407	O.J. Eggen - The color-luminosity array for some galactic clusters (1955).
680	61	12	L. Searle - A study of three shell stars (1956).
681	61	13	A.B. Underhill - The continuing variations in the spectrum of 48 Librae (1956).
682	61	90	H.R. Morgan - Proper motions of 650 bright B-type stars (1956).
683	61	397	S. Gaposchkin - New photographic minima of beta Lyrae (1956).
684	63	51	D.B. McLaughlin - Spectral variations of the Be star HD 20336 (1958).
685	63	127	W.G. Tift - A system of three-color photometry with applications to galactic structure in Cygnus (1958).
686	63	237	M.F. Walker - HD 217050; A cooperative program of photoelectric observations (1958).
687	63	346	O. Struve - Evolutionary changes in spectroscopic binaries of early type (1958).
688	64	340	D.B. McLaughlin - The Be spectrum variable pi Aquarii (1959).
689	65	335	A.J. Meadows - Be stars in galactic clusters (1960).
690	66	48	D.B. McLaughlin - The latest cycle of the Be shell star beta Monocerotis (1961).
691	66	55	O. Struve - The B8 component of beta Lyrae (1961).
692	67	277	D.B. McLaughlin - Interpretation of measurement on emission edges in Be spectra (1962).

THE ASTRONOMICAL JOURNAL

N	V	P	
693	67	491	V. Rubin - Kinematic studies of early-type stars. I. Photometric survey, space motions, and comparison with radio observations (1962).
694	67	576	S. Gaposchkin - Final model of beta Lyrae (1962).
695	67	578	S.S. Huang - Tentative model of beta Lyrae on the assumption of a less massive primary (1962).
696	67	581	D.B. McLaughlin - V/R variations of some Be stars (1962).
697	68	257	D.B. Wood and J.E. Forbes - Ephemerides of eclipsing stars (1963).
698	68	276	A.P. Cowley - Variable spectrum of AX Monocerotis (1963).
699	68	352	N.E. Wagman, Z. Daniel, B. Grier Crissman - Photographic determinations of the parallaxes of sixty stars with the Thaw refractor (1963).
700	68	483	O.J. Eggen - Three-color photometry of the components in 228 wide double and multiple systems (1963).
701	68	649	D.B. McLaughlin - The Be stars (1963).
702	68	697	O.J. Eggen - Luminosities, colors and motions of the brightest A-type stars (1963).
703	69	148	E.C. Reuning and J.F. Springer - Distorted-politrope representation of beta Lyrae (1964).
704	69	412	S.W. McCuskey and N. Houk - Galactic structure in Cassiopeiae (1964).
705	70	149	A.B. Underhill - Zeta Tauri-a star in eruption (1965).
706	70	575	J.D. Fernie - An absolute magnitude calibration of the H beta index for early-type stars (1965).
707	71	165	S.S. Huang - Nature of non-synchronous rotation of some close binary components (1966).
708	71	709	D.L. Crawford, J.V. Barnes, B.Q. Faure, J.C. Golson and C.L. Perry - Photoelectric H beta photometry for 1217 star brighter than V = 6.5 magnitude (1966).
709	71	851	A.P. Cowley, C.R. Cowley and J.M. Marlborough - Suppression of H epsilon in the spectrum of AX Monocerotis (1966).
710	71	990	S. van den Bergh - A study of reflection nebulae (1966).
711	71	999	J.D. Fernie, W.A. Hiltner and R.P. Kraft - Association II Puppis and the classical Cepheid AQ Puppis (1966).
712	72	887	G.V. Coyne and T. Gehrels - Wavelength dependence of polarization. X. Interstellar polarization (1967).
713	72	1019	A.F. Aveni and J.H. Hunter, Jr. - Observational studies relating to star formation. I (1967).
714	72	1199	S.W. McCuskey - The stellar distribution in the galactic anticenter (1967).
715	73	14	G.W. Lockwood - Photoelectric K-line spectral classification (1968).
716	73	75	J.S. Neff - Relative and absolute photometry of 185 stars (1968).
717	73	233	R. Racine - Stars in reflection nebulae (1968).
718	73	246	N. Sanduleak - A finding list of proven or probable Small Magellanic Cloud members (1968).
719	73	338	C. Crampton - B-emission stars and galactic rotation (1968).
720	73	350	D. Meisel - Studies of visual double stars I. (1968).
721	73	431	S.D. Price - Results of an infrared stellar survey (1968).
722	73	551	A.H. Batten - Some interesting massive spectroscopic binary systems (1968).
723	73	590	J.S. Drilling - Space distribution in the stars in the southern Milky Way. I. A region in Norma (1968).
724	74	528	G.V. Coyne and A. Kruszewski - Wavelength dependence of polarization. XVII Be-type stars (1969).
725	74	689	C.B. Stephenson and N.B. Sanwal - The masses of stars above the main sequence (1969).
726	74	812	H.A. Abt and W.W. Morgan - The H-R diagram of NGC 2516 (1969).
727	74	882	B.E. Westerlund - OB stars near the supernova remnant RCW 103 and the galactic structure in Norma (1969).
728	74	920	P.L. Tebbe, S.J. - H alpha and H beta photoelectric photometry for 80 bright stars (1969).
729	74	1082	R.E. Murphy - A spectroscopic investigation of visual binaries with B-type primaries (1969).
730	74	1125	B.J. Bok and P.F. Bok - Photometric standards for the southern hemisphere (1969).
731	74	1152	W.A. Hiltner and W.W. Morgan - UBV photometry and spectral types in NGC 6611 (1969).
732	74	1153	H.A. Abt, A.E. Clements, L.R. Doose and D.H. Harris - Rotational velocities in NGC 2516 (1969).
733	74	1168	H.L. Cohen - A photoelectric H beta distance modulus of the open cluster NGC 6871 (1969).
LEAFLET OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC			
736	n310		A.B. Underhill - 48 Libra - A stellar curiosity (1955).

THE ASTROPHYSICAL JOURNAL

N	V	P	
739	111	1	P.C. Keenan and J.A. Hynek - Neutral oxygen in stellar atmospheres (1950).
740	111	196	J. Landi Dessy and J. Sahade - The radial velocity of CPD -63°896 (1950).
741	111	221	R.E. Wilson and A. Joy - Radial velocities of 2111 stars (1950).
742	111	328	J.L. Greenstein and L.H. Aller - The interstellar lambda 4430 band (1950).
743	111	429	N.G. Roman and W.W. Morgan - The moving cluster in Perseus (1950).
744	111	434	J. Ramsey - Spectroscopic distance moduli for 224 O and B stars (1950).
745	111	495	D.M. Popper - Studies of faint B-Type stars (1950).
746	111	663	J. Sahade - A change in the spectrum of lambda Pavonis (1950).
747	112	72	P. Merrill and C.G. Burwell - Additional stars whose spectra have a bright H alpha line (1950).
748	112	192	B. Smith and O. Struve - The radial velocity of gamma Cassiopeiae (1950).
749	112	362	W.W. Morgan and N.G. Roman - Revised standard for supergiants on the system of the Yerkes spectral Atlas (1950).
750	113	84	E.M. Burbidge and G.R. Burbidge - Hydrogen and Helium line intensities in some Be stars (1951).
751	113	100	D. Duke - Intensities of the interstellar band at lambda 4430 (1951).
752	113	141	J.J. Nassau and W.W. Morgan - A finding list of O and B stars of high luminosity (1951).
753	113	223	M. Walther - A list of newly discovered peculiar objects (1951).
754	113	304	W.P. Bidelman - Spectral classification of stars listed in Miss Payne's Catalogue of c stars (1951).
755	113	309	L. Münch - A finding list of high-luminosity stars (1951).
756	113	432	D.A. MacRae, R. Fleischer and E.B. Weston - A peculiar O star at high galactic latitude (1951).
757	113	436	A. Slettebak - Lines of neutral oxygen in the infrared spectra of Be stars (1951).
758	113	605	P. Merrill - The spectrum of BD +11°4673 during the years 1942-50 (1951).
759	113	624	W.C. Miller and P.W. Merrill - Spectroscopic observations of Be stars (1951).
760	113	703	E.M. Burbidge and G.R. Burbidge - The spectrum of HD 217050 (1951).
761	114	73	W. Buscombe - Spectrophotometry of early A-type stars (1951).
762	114	338	P.W. Merrill - Displaced-helium lines in the spectrum of BD +11°4673 (207757 AG Peg) (1951).
763	114	482	L. Münch - A finding list of high-luminosity star. II (1951).
764	115	42	P.W. Merrill - Spectra of two stars with stable shells (1952).
765	115	47	P.W. Merrill - Three stars with helium shells (1952).
766	115	66	E.M. Burbidge, G.R. Burbidge and S.K. Wang - Rapid changes in line intensities in the spectrum of gamma Cassiopeiae (1952).
767	115	133	K.J. Henize - Six peculiar H alpha emission stars (1952).
768	115	145	P.W. Merrill - Pleione: The shell episode (1952).
769	115	157	R.E. Wilson and A.H. Joy - Radial velocities of 360 stars (1952).
770	115	227	P. McRae and L. Spitzer, Jr. - A comparison of the components in interstellar sodium and calcium (1952).
771	115	418	E.M. Burbidge - The spectrum of chi Ophiuchi (1952).
772	115	573	A. Slettebak - The shell spectrum of omicron Andromedae (1952).
773	116	251	S. Sharpless - A study of the Orion aggregate of early-type stars (1952).
774	116	498	P.W. Merrill - The low-temperature spectrum of HD 45910 (1952).
775	116	501	P.W. Merrill - Measurements in the spectra of ten shells stars (1952).
776	116	516	P.W. Merrill - Oscillations in the shell star HD 33232 (1952).
777	117	7	P.W. Merrill - The spectrum of 48 Librae from 1944 to 1952 (1953).
778	117	73	G. Haro - H alpha emission stars and peculiar objects in the region of the Orion Nebula (1953).
779	117	256	A. Blaauw and W.W. Morgan - Expanding motions in the Lacerta aggregate (1953).
780	117	313	H.L. Johnson and W.W. Morgan - Fundamental stellar photometry for standards of spectral type on the revised system of the Yerkes Spectral Atlas (1953).
781	117	407	G.R. Burbidge and E.M. Burbidge - The outer atmospheres of some Be stars (1953).
782	117	465	E.M. Burbidge and G.R. Burbidge - Interstellar lines in the spectra of eight early-type stars (1953).
783	117	467	N.G. Roman - The spectrum of BD +67°922 (1953).
784	118	18	P.W. Merrill and A.L. Lowen - Intercomparison of shell spectra (1953).
785	118	77	P.R. Annear - Stellar spectra and colors in an irregular region in Cygnus (1953).
786	118	92	W.W. Morgan, D.L. Harris and H.L. Johnson - Some characteristics of color systems (1953).
787	118	252	G.R. Burbidge and E.M. Burbidge - The Balmer decrement in some Be stars (1953).
788	118	285	Su-Shu Huang - A statistical study of the rotation of the stars (1953).
789	118	318	W.W. Morgan, A.E. Whitford and A.D. Code - Studies in galactic structure. I. A preliminary determination of the space distribution of the blue giants (1953).

N	V	P	
790	118	345	W.W. Morgan, G. González and G. González - Blue giants in the direction of the galactic center (1953).
791	118	349	E.M. Burbidge and G.R. Burbidge - EM Cygni, a possible ex-nova (1953).
792	118	481	M.F. Walker - The light-variations of HD 217050 (1953).
793	119	146	A. Slettebak - The spectra and rotational velocities of the bright stars of Draper types B8-A2 (1954).
794	119	459	K.G. Henize - H alpha emission stars associated with a dark lane in Lupus (1954).
795	119	460	A. Slettebak - Recent changes in the spectra of four Be stars (1954).
796	119	483	G.H. Herbig - Emission-line stars associated with the nebulous cluster NGC 2264 (1954).
797	119	496	E.M. Burbidge and G.R. Burbidge - Spectrographic observations of emission-line stars (1954).
798	119	501	E.M. Burbidge and G.R. Burbidge - A group of peculiar shell stars (1954).
799	119	686	E.M. Burbidge and G.R. Burbidge - The composite spectrum of HD 50820 (1954).
800	120	41	W.A. Hiltner - Early-type stars in the direction of the galactic center (1954).
801	120	76	G.R. Burbidge and E.M. Burbidge - The abnormal atmosphere of AG Pegasi (1954).
802	120	265	F.D. Miller - Wolf-Rayet and other spectra of early type in the one micron region (1954).
803	120	271	E. Böhm-Vitense - The spectrum of beta Lyrae (1954).
804	120	274	R.I. Mitchell - Rotation of the primary of beta Lyrae (1954).
805	120	278	M.F. Walker and G.H. Herbig - Photoelectric and spectroscopic observations of UX Ursae Majoris (1954).
806	121	24	D. Crawford, D.N. Limber, E. Mendoza V., D. Schulte, H. Steinman and T. Swihart - The association I Geminorum (1955).
807	121	102	A. Slettebak and R.F. Howard - Axial rotation in the brighter stars of Draper types B2-B5 (1955).
808	121	554	D.L. Harris - Photometry of the Lacerta aggregate (1955).
809	122	89	E.M. Burbidge and G.R. Burbidge - Paschen and Balmer series in spectra of chi Ophiu chi and P Cygni (1955).
810	122	185	W. Hiltner and B. Iriarte - Photometric and spectroscopic studies of early-type stars between galactic longitude $l = 338^\circ$ and $l = 33^\circ$ (1955).
811	122	263	A.R. Sandage - Axial rotation and stellar evolution (1955).
812	122	429	H.L. Johnson and W.W. Morgan - Photometric and spectroscopic observations of the double cluster in Perseus (1955).
813	123	54	E.E. Mendoza V. - A spectroscopic study of the Pleiades (1956).
814	123	133	L.H. Aller - Atmospheres of the B stars. II. The supergiant 55 Cygni (1956).
815	123	253	J. Stock - Photoelectric spectrophotometry. I. Hydrogen-line intensities of O-, B-, and A-type stars (1956).
816	123	371	D.L. Harris III - Photometry of the Perseus aggregate (1956).
817	123	408	A. Blaauw - On the luminosities, motions and space distribution of the nearer northern O-B5 stars (1956).
818	123	440	J. Stebbins and G.E. Kron - Six-color photometry of stars. VIII. The colors of 409 stars of different spectra types (1956).
819	124	43	E. van P. Smith - Interstellar polarization in the southern Milky-Way (1956).
820	124	61	D. Hoffleit - Distances for southern early-type star, especially in Carina and other H II regions (1956).
821	124	173	A. Slettebak - Line broadening in the spectra of O and early B-type stars (1956).
822	124	367	W.A. Hiltner and H.L. Johnson - The law of interstellar reddening and absorption (1956).
823	125	42	G. Münch - Interstellar absorption lines in distant stars. I. Northern Milky Way (1956).
824	125	102	W.S. Adams and P.W. Merrill - Mount Wilson spectrograms of P Cygni (1956).
825	125	636	M.F. Walker - Studies of extremely young clusters. II. NGC 6530 (1956).
826	125	654	G.H. Herbig - Emission-line stars in the vicinity of Messier 8, Messier 20, and Simeis 188 (1956).
827	126	99	W.K. Bonsack and J. Stock - Photoelectric spectrophotometry. II. Monochromatic colors of O-, B- and A-type stars (1957).
828	126	138	H.A. Abt - The variability of supergiants (1957).
829	126	302	A.G. Velghe - H alpha emission stars and nebulae in the vicinity of M8 and M20 and Vela from $l = 230^\circ$ to $l = 241^\circ$ along the galactic equator (1957).
830	127	148	O. Struve, J. Sahade and Su Shu Huang - Plaskett's star HD 47129 (1958).
831	127	160	W.G. Tift, and J.L. Greenstein - MWC 603, a high-velocity symbiotic star (1958).
832	128	61	L. Searle - A study of three shell stars (1958).
833	128	77	D.H. McNamara and K. Hansen - The rotational disturbance in the spectrum of RZ Souti (1958).
834	128	185	D.L. Crawford - Two-dimensional spectral classification by narrow-band photometry

N	V	P	
			for B stars in clusters and associations (1958).
835	128	207	E.E. Mendoza V - A spectroscopic and photometric study of the Be stars (1958).
836	128	259	G.H. Herbig - NGC 7000, IC 5070, and the associated emission-line stars (1958).
837	128	273	A. van Hoof - The behavior of theta Ophiuchi during four cycles in April 1956 (1958).
838	128	533	F.C. Bertiau - Absolute magnitudes of stars in the Scorpio-Centaurus association (1958).
839	128	572	J.D. Bahng - Multicolor photoelectric photometry of stars with composite spectra (1958).
840	129	62	G. Grant - A photoelectric study of the eclipsing variable RW Tauri (1959).
841	129	863	K.D. Abhyankar - A study of some early-type close binary stars (1959).
842	130	69	A. Blaauw and W.A. Hiltner - Photoelectric photometry of the association III Cephei (1959).
843	130	159	K. Osawa - Spectral classification of 533 B8-A2 stars and the mean absolute magnitude of AOV stars (1959).
844	130	577	C.R. Lynds - The light-variability of early B giants (1959).
845	130	791	K. Hansen and D.H. McNamara - A spectrographic study of the eclipsing binary RZ Scuti (1959).
846	130	817	O. Struve and V. Zebergs - The red satellite absorption spectrum of beta Lyrae (1959).
847	130	991	J.B. Rogerson, L. Spitzer and J.D. Bahng - A high-dispersion photoelectric spectrophotometer (1959).
848	131	111	O. Struve, S.N. Svolopoulos and V. Zebergs - The velocity-curve of beta Lyrae in 1958 (1960).
849	131	363	D.B. Wood and M.F. Walker - Photoelectric observations of beta Lyrae (1960).
850	131	390	C.R. Lynds - The light-variations of HD 183656 (1960).
851	131	516	G.H. Herbig - Emission-line stars in IC 5146 (1960).
852	131	529	A. Burgess, G.B. Field and R.W. Michie - On the possibility of observing interstellar aluminum (1960).
853	131	632	G.H. Herbig - Spectral classifications for 112 variable stars (1960).
854	132	76	G.H. Herbig - Observations and an interpretation of VV Puppis (1960).
855	132	130	J.J. Nassau and C.B. Stephenson - Classification of spectra from objective-prism plates which include the ultraviolet region (1960).
856	132	361	R.H. Hardie, C.K. Seyfert and I.S. Gullledge - A study of the I Geminorum association (1960).
857	133	438	M.F. Walker - Studies of extremely young clusters IV. NGC 6611 (1961).
858	133	843	R.H. Hardie and D.L. Crawford - A study of the II Scorpii association (1961).
859	133	860	D.L. Crawford - H beta photometry for the association I Lacertae (1961).
860	133	895	J. Wampler, P. Pesch, W.A. Hiltner and R.P. Kraft - Cepheids in galactic clusters. VIII. A reinvestigation of U Sgr in M25 (=IC 4725) (1961).
861	133	920	J.J. Nassau and C.B. Stephenson - Spectral classifications for new or unclassified emission-line, carbon, and S, long-period variable, and double stars (1961).
862	134	1015	D.B. Mc Laughlin - The shifting emission lines of V/R variables (1961).
863	135	424	H.A. Abt - Non-periodic spectroscopic changes in Beta Lyrae (1962).
864	135	748	D.H. McNamara and H.J. Larsson - Axial rotation of Orion stars of spectral type B0-B3 (1962).
865	135	755	A.E. Ringuelet-Kaswalder - 27 Canis Majoris (1962).
866	135	762	H.C. Frieboes - V Puppis (1962).
867	135	967	H. Herbig - Displaced lines of Ni II in P Cygni (1962).
868	136	381	H.A. Abt and J.H. Hunter, Jr. - Stellar rotation in galactic clusters (1962).
869	136	693	D.B. McLaughlin - The Be spectrum variable pi Aquarii (1962).
870	136	767	S. Sharpless - Evolutionary effects on the Orion association (1962).
871	136	788	S.N. Svolopoulos - Spectral classification in nine open clusters (1962).
872	136	903	Su Shu Huang - On the mass of beta Lyrae (1962).
873	137	398	G.H. Herbig and L.V. Kuhl - Emission-line stars in the region of NGC 2068 (1963).
874	137	523	D.L. Crawford - Photometry of the stars of the Cassiopeia-Taurus group (1963).
875	137	530	D.L. Crawford - U, B, V and H beta photometry for the bright B8- and B9-Type stars (1963).
876	137	791	A. Blaauw and T. van Albada - Radial velocities of B-type stars in the nearest associations (1963).
877	137	824	A. Van Hoof, F.C. Bertiau, S.J. and R. Deurink - Radial velocities of twenty-nine stars in the Scorpio-Centaurus region (1963).
878	137	1085	D.B. Mc Laughlin - The Be spectrum variable HD 20336 (1963).
879	137	1310	A. Ringuelet-Kaswalder - Short-period radial-velocity variation of 48 Librae (1963).
880	138	118	A. Slettebak - The spectra and axial rotational velocities of the components of 116 visual double star systems (1963).
881	138	617	T.A. Chubb and E.T. Byram - Stellar brightness measurement at 1314 and 1427 A obser-

N	V	P	
			vation of the OI twilight glow (1963).
882	138	1002	H.A. Abt and L.P. Bautz - Stellar radial velocities in the Perseus arm (1963).
883	139	405	W.P. Bidelman - Two new emission-line stars (1964).
884	139	817	A.P. Cowley - The binary system AX Monocerotis (1964).
885	139	1139	H.A. Abt and M.S. Snowden - The galactic cluster IC 4665 (1964).
886	140	162	G. Münch and L. Münch - Radial velocities of distant OB stars (1964).
887	140	873	R.C. Henry and D. Mihalas - The abundance of magnesium in the atmospheres of O and B stars (1964).
888	141	183	W.A. Hiltner and W.W. Morgan - Studies in spectral classification. II. The HR diagram of NGC 6530 (1965).
889	141	652	J. Sahade and H. Frieboes-Conde - V 453 Scorpi (1965).
890	141	668	L.O. Lodén - On the association Puppis. I (1965).
891	141	1340	K. Sarkowski - Polarization of galactic clusters M25, NGC 869, 884, 1893, 2422, 6823, 6871 and association VI Cygni (1965).
892	142	309	C.B. Stephenson - Spectroscopic observations of ce stars in the luminous stars in the northern Milky Way catalogues (1965).
893	142	934	V.C. Rubin - Radial velocities of distant OB stars in the anticenter region of the Galaxy (1965).
894	142	964	H.M. Johnson - The spectra and radial velocities of stars in the Orion nebula cluster (1965).
895	142	974	W.W. Morgan, W.A. Hiltner, J.S. Neff and R. Garrison - Studies in spectral classification. III. The HR diagrams of NGC 2244 and NGC 2264 (1965).
896	142	979	R.E. Schild - Spectral classification in h and chi Persei (1965).
897	143	285	D.B. McLaughlin - The Be spectrum variable 105 Tauri (1966).
898	143	306	H.A. Abt and J.C. Golson - On the separation by Balmer-line photometry of high- and low-luminosity stars having H-alpha in emission (1966).
899	144	824	A.P. Cowley and C.R. Cowley - Recent changes in the spectrum of HR 8164 (Boss 5481 A) (1966).
900	144	921	E.J. Wampler - Scanner observations of lambda 4430 (1966).
901	144	1073	L.H. Aller - Photoelectric spectrophotometry of selected southern stars (1966).
902	144	1135	M.P. Fitzgerald, N. Houk and S.W. McCuskey - A peculiar emission star in Cygnus MH alpha 328-116 (1966).
903	145	121	A. Slettebak - Axial rotation in the later B-type emission-line stars (1966).
904	145	126	A. Slettebak - Stellar axial rotation and equatorial breakup (1966).
905	146	142	R.E. Schild - Be stars in the region of h and chi Persei (1966).
906	147	158	A.M. Smith - Stellar photometry from a satellite vehicle (1967).
907	147	988	W. Krzeminski - Photometric and polarimetric observations of the nearly strongly reddened open cluster Stock 2 (1967).
908	147	1003	R.F. Garrison - Some characteristics of the B and A stars in the upper Scorpius complex (1967).
909	147	1185	W.L.W. Sargent, A.I. Sargent and P.A. Strittmatter - The existence of magnetic fields in two peculiar B stars in Orion (1967).
910	148	129	R.P. Kraft - Studies of stellar rotation IV. A comparison of rotational velocities in the alpha Persei cluster and the Pleiades (1967).
911	148	449	R. Schild - Ages and structure of stars in the h and chi Persei association (1967).
912	148	459	H.A. Abt and F.H. Chaffee - Rotational velocities of stars in IC 4665 (1967).
913	149	107	A. Feinstein - Collinder 121; A young southern open cluster similar to h and chi Persei (1967).
914	149	353	I. Appenzeller and W.A. Hiltner - True polarization curves for beta Iyrae (1967).
915	149	373	C.R. O' Dell - Photoelectric spectrophotometry of M H alpha 328-116 (1967).
916	149	719	T.H. Schmidt-Kaler - A note on emission B stars in NGC 6530 (1967).
917	150	L39	H.L. Johnson - Infrared emission from circumstellar shells (1967).
918	151	473	J.S. Miller - Radial velocities and kinematics of galactic H II regions (1968).
919	151	907	I. Appenzeller - Polarimetric observations of nearby stars in the directions of the galactic poles and the galactic plane (1968).
920	151	1043	A. Slettebak - Stellar rotation in the Scorpio-Centaurus association (1968).
921	151	15	A. Boggess and Y. Kondo - Rocket ultraviolet spectrophotometry in the Orion region (1968).
922	151	169	A.G. Davis Philip - Photometry of MH alpha 328-116 (1968).
923	152	77	O.J. Eggen - Photometric evidence for the existence of a delta Iyrae cluster (1968).
924	152	83	O.J. Eggen - The intermediate-age cluster NGC 2360 (1968).
925	152	913	T.A. Lee - Interstellar extinction in the Orion association (1968).
926	154	73	L.A. Higgs and V.V. Ramana - Radio distances of gaseous nebulae (1968).
927	154	115	K. Serkowski - Correlation between the regional variations in wavelength dependence of interstellar extinction and polarisation (1968).

THE ASTROPHYSICAL JOURNAL

N	V	P	
928	154	923	S. Christian Simonson III - A spectroscopic and photometric investigation of the association Cepheus OB 2 (1968).
929	154	933	A. Slettebak - Stellar rotation and Be stars in the h and chi Persei associations (1968).
930	156	1013	V.L. Trimble and K.S. Thone - Spectroscopic binaries and collapsed stars (1969).
931	156	L37	H. Albers - Infrared surveys of the southern Milky Way. I. Suspected supergiant stars (1969).
932	157	135	L.M. Hobbs - Interferometric studies of interstellar sodium lines (1969).
933	157	313	W.A. Hiltner, R.F. Garrison and R.E. Schild - MK spectral types for bright southern OB stars (1969).
934	157	1255	F.E. Stuart - Far-ultraviolet spectrophotometry of bright stars in Orion (1969).

THE ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES

937	I	91	H.L. Johnson, B. Perkins and W.A. Hiltner - Photometric investigation of the eclipsing binary UX Ursae Majoris (1954).
938	I	175	W.P. Bidelman - Catalogue and bibliographie of emission-line stars of types later than B (1954).
939	II	41	W.W. Morgan, A.D. Code and A.E. Whitford - Studies in Galactic structure. II. Luminosity classification for 1270 blue giant stars (1955).
940	II	75	S.W. McCuskey - Stellar spectra in Milky Way regions. III. A region in Cepheus-Lacerta (1955).
941	II	123	A.H. Farnsworth - Stellar spectra and colors in a Milky Way region in Cassiopeia (1955).
942	II	271	S.W. McCuskey - Stellar spectra in Milky Way regions. V. A region in Monoceros (1955).
943	II	298	S.W. McCuskey - Stellar spectra in Milky Way regions. VI. A region in Camelopardalis (1955).
944	II	315	K.G. Henize - Catalogues of H alpha-emission stars and nebulae in the Magellanic Clouds (1955).
945	II	365	M.F. Walker - Studies of extremely young clusters. I. NGC 2264 (1955).
946	II	389	W.A. Hiltner - Photometric, polarization and spectrographic observations of O and B stars (1955).
947	III	141	H.W. Babcock - A catalog of Magnetic stars (1957).
948	IV	23	S.W. McCuskey - Stellar spectra in Milky Way regions. VIII. A region in Orion (1959).
949	IV	157	K.D. Abhyankar - A study of some early-type close binary stars (1959).
950	IV	337	G.H. Herbig - The spectra of Be and Ae-type stars associated with nebulosity (1960).
951	VII	65	D.B. McLaughlin - The Be spectrum variable pi Aquarii (1962).
952	VIII	439	R.L. Wildey - The stellar content of h and chi Persei-Cluster and association (1963).
953	XII	215	A.A. Hoag and N.L. Applequist - Distance moduli of open clusters (1965).
954	XIV	125	K.G. Henize - Observations of southern planetary nebulae (1967).
955	XIV	263	G. Hill - On beta Cephei stars: A search for beta Cephei stars (1967).
956	XIV	301	G. Hill - Some new variables in nearby associations and galactic clusters (1967).
957	XV	459	A. Gutierrez-Moreno and H. Moreno - A photometric investigation of the Scorpio-Centaurus association (1968).
958	XVI	275	D.J. MacConnell - A study of the Cepheus. IV. Association (1968).
959	XVII	151	J.R. Lesh - The kinematics of the Gould belt: An expanding group (1968).

ASTROPHYSICAL LETTERS

962	1	31	G. Wallerstein - On the distance to the star associated with Scorpio XR-I (1967).
963	2	153	W.A. Hiltner, C.B. Stephenson and N. Sanduleak - Spectroscopic and photometric observations of peculiar stars noted on southern objective prisme plates (1968).
964	2	239	O. Haunes - A search for correlation between rotational velocity and space velocity in early-type stars (1968).
965	3	141	M. Bloch and J.P. Swings - Présence de Fe IV dans le spectre de MH alpha 328116 (1969).

PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC

968	56	238	P. Swings - The infrared spectrum of P Cygni (1944).
969	57	306	P.W. Merrill - Interstellar lines in the spectrum of beta Lyrae (1945).
970	57	314	A.N. Vyssotsky, W.J. Miller and M.W. Walther - New planetaries, Wolf-Rayet stars, and a Be star (1945).
971	58	214	F.J. Neubauer, C.G. Burwell and W.C. Miller - Disappearance of bright lines from the spectrum of HD 51193 (1946).
972	58	363	D.R. Barber - Spectrophotometric observations of gamma Cassiopeiae (1946).
973	59	28	W.C. Miller and C.G. Burwell - Hydrogen emission in the spectrum of HD 197419 (1947).
974	59	35	C.K. Seyfert - New emission objects (1947).

PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC

N	V	P	
975	59	136	R.F. Sanford - The spectrum of BD +9°1633 (1947).
976	59	139	J.L. Greenstein and L.H. Aller - Spectra of stars in diffuse nebulae (1947).
977	59	171	A.H. Joy - The emission lines of RW Tauri at minimum (1947).
978	60	258	P.W. Merrill - A damped oscillation in the atmosphere of 48 Librae (1948).
979	60	381	P.W. Merrill - Measurements in the spectrum of DM -27°11944 (1948).
980	61	38	P.W. Merrill - Stars having shell spectra (1949).
981	62	48	W.P. Bidelman - The spectrum of HR 7415 (1950).
982	62	61	L. Lowen - Spectroscopic observations of mu Sagittarii (1950).
983	63	234	P.W. Merrill - Pleione: the shell episode (1951).
984	63	295	P.W. Merrill and I.S. Bowen - Forbidden lines in the spectrum of MWC 300 (1951).
985	64	20	O. Struve - Notes on stellar spectra. II (1952).
986	64	20	O. Struve - Notes on stellar spectra. III (1952).
987	64	180	O. Struve - Notes on stellar spectra. IV (1952).
988	64	224	G.R. Burbidge and E.M. Burbidge - Profiles of hydrogen lines in Be stars (1952).
989	65	87	D.B. McLaughlin - Recent fading of shell absorption in beta Monocerotis (1953).
990	65	113	P.W. Merrill - Shell stars (1953).
991	65	185	O. Struve - Notes on stellar spectra (1953).
992	66	19	G.H. Herbig - Bright-H alpha stars in IC 348 (1954).
993	66	208	S. Burd - The spectrum of Pleione, 1953-4 (1954).
994	66	249	W.P. Bidelman - Spectral classification of southern stars of high luminosity (1954).
995	66	257	S.N. Stone and O. Struve - The spectrum and luminosity of alpha Scorpii B (1954).
996	66	312	A. Mc Kellar - Spectra of the cool carbon stars in the lambda 9000-lambda 11000 wave-length region (1954).
997	68	46	H.H. Voigt - The interstellar sodium lines in a regions of Scutum (1956).
998	68	249	W.K. Bonsack and J.L. Greenstein - A high-velocity supergiant HD 172324 (1956).
999	69	137	H.J. Smith - Spectra of bright-line stars in the Large Magellanic cloud (1957).
1000	69	399	O. Struve and J. Sahade - The spectrum of Plaskett's star (1957).
1001	69	401	A.B. Underhill - Some recent changes in the spectrum of 48 Librae (1957).
1002	69	570	D.H. McNamara - The radial velocity of theta Ophiuchi (1957).
1003	69	574	D.H. McNamara - The H alpha line in the spectrum of RZ Scuti (1957).
1004	70	5	O. Struve - The problem of beta Lyrae (1958).
1005	70	114	M. Hack - Strengthening of the emission spectrum of zeta Tauri (1958).
1006	70	209	L. Houziaux - The sodium and helium lines in the visual spectrum (1958).
1007	70	261	A.D. Code - A superluminous B-type star in the Large Magellanic Cloud, and its Galactic counterpart (1958).
1008	70	313	O. Struve and J. Sahade - The spectrum of beta Lyrae in the visual and infrared regions (1958).
1009	70	411	K.D. Abhyankar and H. Spinrad - Light variability of HD 47129 (1958).
1010	70	561	G.E. Kron - Color excesses from six-color photometry of supergiant stars (1958).
1011	70	585	O. Struve - The rotational disturbance of the velocity curve of beta Lyrae (1958).
1012	71	32	A.A. Hoag and E.P. Smith - Polarization in NGC 2244 (1959).
1013	71	156	B. Westerlund - Three-color photometry of bright southern supergiants (1959).
1014	71	241	D.H. McNamara - The hydrogen lines in the spectrum of U Sagittae (1959).
1015	71	345	H.A. Abt and G. Van Biesbroeck - The visual companion of RW Tauri (1959).
1016	71	441	O. Struve - Spectroscopic and photometric anomalies of beta Lyrae (1959).
1017	71	526	K.C. Gordon - Photoelectric observations of beta Lyrae (1959).
1018	72	10	H.M. Johnson - Photoelectric photometry of diffuse Galactic Nebulae and comet Arend-Roland (1960).
1019	72	36	H. Hansen and D.H. McNamara - An estimate of the stream density in RZ Scuti (1960).
1020	72	129	W.P. Bidelman and S.N. Svolopoulos - 88 Herculis: A bright new shell star (1960).
1021	72	317	A. Ringuelet-Kaswalder and J. Sahade - The spectrum of 27 Canis Majoris in 1957-59 (1960).
1022	72	348	H.A. Abt - The visual multiple-star system containing beta Lyrae (1960).
1023	72	363	A.B. Underhill - Some observations of the supergiants 67 Ophiuchi, 55 Cygni and chi ² Orionis (1960).
1024	72	403	O. Struve and M.J.S. Wade - Spectroscopic features of beta Lyrae (1960).
1025	72	478	J. Sahade - The spectrum of 27 Canis Majoris in 1960 (1960).
1026	73	164	L. Houziaux - Atmospheric parameters of kappa Cassiopeiae (1961).
1027	73	224	J.J. Nassau and C.B. Stephenson - A star having extraordinarily intense CaII emission (1963).
1028	73	264	S.W. McCusky - Emission objects near Selected Area 158 (1961).
1029	74	78	M. Hack, A. Gökğöz and I. Kendir - Expansional phase of the shell of zeta Tauri (1962).
1030	74	129	D.M. Popper - Notes on the spectra of eclipsing binaries (1962).
1031	74	250	L. Houziaux - On the infrared spectrum of Pleione (1962).

PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC

N	V	P	
1032	74	330	V.M. Blanco - Faint H alpha-emission objects in Cepheus IV (1962).
1033	74	525	J.K. Pringle and D.H. McNamara - On the radial velocity of zeta Tauri (1962).
1034	75	192	B. Kucwicz - Southern B stars with H alpha emission (1963).
1035	75	323	A.E. Ringuelet-Kaswalder - Shell stars and rotationally unstable Be stars (1963).
1036	75	485	R.J. Wolff - Two unidentified emission lines in Of stars (1963).
1037	75	520	A. Ringuelet-Kaswalder - Photoelectric observations of 27 Canis Majoris (1963).
1038	76	293	Pik-Sin The - Faint stars with H alpha emission near nu Scorpii (1964).
1039	76	350	S. Demers and J.D. Fernie - Photometry of Wolf-Rayet stars (1964).
1040	76	399	A. Feinstein - Intrinsic colors of Wolf-Rayet stars (1964).
1041	76	438	V.M. Blanco and M.P. Fitzgerald - Faint H alpha emission objects near zeta Cephei (1964).
1042	77	12	G. Wallerstein and S.C. Wolff - Spectroscopic observations of run away stars (1965).
1043	77	208	K. Wilde - The spectra of two emission-line stars: nova Scorpii 1964 and AS 210 (1965).
1044	77	376	C. Jaschek and M. Jaschek - Spectra of some southern Be stars (1965).
1045	77	388	W.P. Bidelman - Observations of emission-line stars (1965).
1046	78	165	A.P. Cowley and C.R. Cowley - On the spectra of the triple system beta Monocerotis (1966).
1047	79	21	C.R. Cowley, J.M. Malborough and A.P. Cowley - The suppression of H-epsilon in the spectrum of AX Monocerotis (1967).
1048	79	66	D.J. MacConnell - Infrared CaII emission in MWC 1080 (1967).
1049	79	102	I. Appenzeller - MK spectral types for 185 bright stars (1967).
1050	79	168	N.G. Roman - Radial velocities and spectral types for fourteen stars (1967).
1051	79	181	T. Schmidt-Kaler - Spectral classification of some emission B stars (1967).
1052	79	202	S. Prata - A search for interstellar CaII and NaI lines in stars near high-velocity HI clouds (1967).
1053	79	283	G.S. Mumford - Novae and novalike variables (1967).
1054	80	42	A.P. Cowley and J.M. Marlborough - The spectrum of gamma Cassiopeiae (1968).
1055	80	96	P.H. Knappenberger and L.W. Fredrick - The HeI lambda 10830 line in the spectrum of beta Lyrae (1968).
1056	80	197	H.H. Guetter - Spectral classifications of 239 early-type stars (1968).
1057	80	290	G.A.H. Walker and S.M. Hodge - Spectral types and H gamma observations for stars in eight associations (1968).
1058	81	168	J.D. Fernie - UV observations of P Cygni (1969).
1059	81	248	A.G. Davis Philip - Photometry of MH alpha 328-116 II (1969).
1060	81	259	D.J. MacConnell and C.L. Perry - H alpha emission-line stars around the Scorpius OB 1 association (1969).
1061	81	548	G. Peters - HR 2142 ejects a shell (1969).
1062	81	804	M.P. Fitzgerald, W. Wilson and J.E. Stegman - Four southern photoelectric sequences (1969).

SKY AND TELESCOPE

1065	10	94	Anonymous - Peculiar shell star (1951).
1066	16	418	O. Struve - The spectrum of beta Lyrae (1957).
1067	17	344	D.B. Mc Laughlin - Spectral variations of HD 20336 (1958).
1068	18	490	P.W. Merrill - The story of AG Pegasi (1959).
1069	19	276	O. Struve - RZ Scuti. A peculiar spectroscopic binary (1960).
1070	27	214	F.V. Dossin - New spectra of symbiotic stars (1964).
1071	29	219	A.B. Underhill - Zeta Tauri-A star in eruption (1965).
1072	33	220	P.J. Shelus - A spectrogram of gamma Cassiopeiae (1967).
1073	34	381	G.S. Mumford - The nature of AG Pegasi (1967).

TRANSACTIONS OF THE AMERICAN PHILOSOPHICAL SOCIETY (NS)

1075	49	328	J. Sahade, S.S. Huang, O. Struve and V. Zebergs - The spectrum of beta Lyrae (1959)
------	----	-----	---

HARVARD COLLEGE OBSERVATORY. ANNOUNCEMENT CARD

1077	1059		O. Struve - Spectrum of Pleione (1950).
------	------	--	---

PUBLICATIONS OF MICHIGAN OBSERVATORY

1079	10	33	W.W. Morgan - Application of the principle of natural groups to the classification of stellar spectra (1950).
------	----	----	---

PUBLICATIONS OF THE CARNEGIE INSTITUTION OF WASHINGTON

1081	n601		R.E. Wilson - General catalogue of stellar radial velocities (1953).
------	------	--	--

INTERNATIONAL ASTRONOMICAL UNION, CIRCULAR

N	V	P	
1083	n1916		S. McCuskey - Activity in H alpha emission object (1965).
1084	n1917		S. McCuskey - Emission object MH alpha 328-116 in Cygnus (1965).
1085	n1917		L. Rosino - Emission object MH alpha 328-116 in Cygnus (1965).
1086	n1918		D. Hoffleit - Light curve of emission object MH alpha 328-116 (1965).
1087	n1927		J. Dufay - Emission object MH alpha 328-116 (1965).
1088	n1946		A.G. Davis Philip - Emission-object MH alpha 328-116 (1965).

INTERNATIONAL ASTRONOMICAL UNION, SYMPOSIA

1090	n30		A.B. Underhill and T. Van der Wel - Radial velocities and line profiles of zeta Tauri in 1964 and in 1966 (1967).
------	-----	--	---

PRIVATE COMMUNICATION

1092			P.W. Hill - Be stars
------	--	--	----------------------

ANNUAL REVIEW OF ASTRONOMY AND ASTROPHYSICS

1095	1	145	C.P. Gaposchkin - Novae and novalike stars (1963).
1096	3	235	B.J. Eggen - Some observational aspects of stellar evolution (1965).
1097	4	293	P. Ledoux and P. Renson - Magnetic stars (1966).
1098	6	39	A.B. Underhill - The Wolf-Rayet stars (1968).
1099	7	249	H. Spinrad and R.F. Wing - Infrared spectra of stars (1969).

VISTAS IN ASTRONOMY

1101	2	1124	W.W. Morgan and D.L. Harris - The galactic cluster M29 (NGC 6913) (1956).
1102	2	1346	R.M. Petrie - Luminosities of the B stars from spectroscopic measurements (1956).
1103	2	1375	P.W. Merrill - Stars with expanding atmospheres (1956).
1104	2	1380	A.D. Thackeray - Shells around P Cygni stars (1956).
1105	2	1470	D.L. Edwards - Gamma Cassiopeiae (1956).
1106	11	189	V. Vanysek - Reflection nebulae and the nature of interstellar grains (1969).

D. REIDEL PUBLISHING COMPANY - DORDRECHT-HOLLAND

1108	6	226	A.B. Underhill - The early type stars (1966).
------	---	-----	---

"ETOILES A RAIES D' EMISSION" HUITIEME COLLOQUE INTERNATIONAL D' ASTROPHYSIQUE A LIEGE (1967)

1110	20	91	A.B. Underhill - Some comments on the emission lines in Of stars (1958).
1111	20	159	A.A. Boyartchuk - Some characteristics of the Be stars (1958).
1112	20	177	B.E.J. Pagel - The interpretation of hydrogen emission intensities in P Cygni and Ag Pegasi (1958).
1113	20	193	H.E. Butler - Some spectrophotometric observations of emission stars of type B2 (1958).
1114	20	198	H. Rojas and R. Herman - Decrement Balmer en emission dans les étoiles Be (1958).
1115	20	204	D. Rakotoarijimy and R. Herman - Note sur le spectre de 66 Ophiuchi (1958).
1116	20	224	M. Haak - Spectral variations of zeta Tauri between 1950 and 1956 (1958).
1117	20	231	D.B. McLaughlin - Long-term variations of three Be spectra (1958).
1118	20	377	O. Struve - Emission lines in the spectra of close binary stars: Introductory report (1958).
1119	20	436	P.W. Merrill - Symbiosis in Astronomy: introductory report (1958).
1120	20	449	W.G. Tifft and J.L. Greenstein - MWC 603: a high-velocity symbiotic star (1958).

Se terminó de imprimir el día 4 de agosto de 1971
en los Talleres Gráficos del Centro de
Estudiantes de Ingeniería La Plata
47-279 - La Plata - Bs. As.
República Argentina





