

Jan. 26, 1901

Translation and copy of Article in A.N. 154, 77.

Concerning a Provisional Designation for New Variable Stars.

The ever increasing discovery of variable stars makes it appear desirable to introduce an unambiguous and short provisional designation for them, like that in use for comets and small planets.

Therefore from now on, the new and the variable stars will be continuously numbered, in the order in which their discovery comes to my knowledge, reckoned from the beginning of the year, and this number together with the constellation of the variable, will be used in this Journal until the variability is well enough established for the star to receive a definitive designation according to the usual custom.

According to this principle, to which also the Directors of the Astronomical Society have given approval, the following numbers are given to the new and variable stars discovered in 1900 up to the present time.

(Nov. 20, 1900)

A. Krutz.

1900.

Provisional Designations of New Variable Stars.

Q.N. Design.	Constellation	Letter	R.A.	Dec.	Discoverer
1. 1875 55 57	Dracoris		17 55	36 + 54° 51'	Anderson
2. 1900 20 28 46	Lygni		20 28	10 + 46 61	Williams
3. 1900 00 08 46	Andromedae	X	0 8	30 + 46 12	Anderson
4. 1900 05 44 15	Tauri		5 44	6 + 15 45	Anderson
5. 1900 23 48 52	Leucisphaerae	RR	23 48	24 + 52 55	Anderson
6. 1900 05 30 26	Tauri		5 30	30 + 26 17.1	Lerashi
7. 1900 13 00 12	Virginis		13 0	18 - 12 23.2	Schwaesmann
8. 1900 06 00 50	Antigae	X	6 0	54 + 50 14	Anderson
9. 1900 00 28 79	Isophis		0 28	+ 79 33	Lerashi
10. 1900 18 30 25	Herulis		18 30	55 + 25 55.8	Lerashi
11. 1900 19 12 00	Aquilae		19 12	57 - 0 24.0	Fleming
12. 1900 18 32 43	Lyræ		18 32	51 + 43 49.6	Williams
13. 1900 19 42 48	Lygni		19 42	2 + 48 42.8	Hagen
14. 1900 22 04 13	Pegasi		22 4	36 + 13 38	Anderson
15. 1900 18 54 34	Lyræ		18 54	22 + 34 45.5	Williams
16. 1900 20 28 46	Lygni		20 28	34 + 46 42	Köhl
17. 1900 19 32 09	Aquilae		19 33	48 + 9 35.4	Anderson
18. 1900 21 06 12	Pegasi		21 6	15 + 12 12.4	Anderson
19. 1900 07 26 20	Puppis		7 26	7 - 20 20.3	Immer

Kiel, 1900 November 20

20. 1900 20 59 28	Lygni		20 59	50 + 28 49.6	Williams
21. 1900 06 48 11	Monoc.		6 48	49.13 + 11° 25' 37.0	Cerni
22. 1900 20 54 42	Cygni		20 54	45.9 + 42 2.0	Williams
23. 1900 01 31 38	Androm.		1 31	7.9 + 38 36.3	Anderson
24. 1900 17 47 49	Arae		17 47	59 - 49 24.6	Immer
25. 1900 13 07 83	Octantis		13 7	21 - 83 27.7	Immer
26. 1900 19 17 25	Thurice.		19 17	31.5 + 25 22.9	Fleet

H. Krentz

Q. N. Design.	Constellation	Letter	R.A.	Dec.	Discoverer
27. 1900	Volantis	S			Immer
28. 1900 09 49 59	Velorum	Z	9 49.4	- 53 42.5	
29. 1900	Apollis	T			Immer

1901.

Provisional Designation of New Variable Stars.

A.N.	Design.	Constellation	Letter	R.A.	Dec.	Discoverer.
1. 1901	192928	Lygus	TY	19 29.8 + 28	6	Williams
2. 1901	191350	Lygus	TZ	19 13.4 + 50	0	
3. 1901		Wras. Viri				Anderson
4. 1901	082476	Chamael	R	8 24.2 - 76	2	Fleming
5. 1901	091868	Ursinae	RW	9 18.2 - 68	20	
6. 1901	095141	Vel	X	9 51.3 - 41	7	Wells
7. 1901	103039	Antae	U	9 30.8 - 39	3	Wells
8. 1901	103361	Ursinae	RX	9 33.2 - 61	48	Pickering
9. 1901	110254	Cent	RM	11 2.9 - 54	35	Wells
10. 1901	133618	Virginis	RY	13 36.3 - 18	38	Wells
11. 1901	145253	Supi	V	14 52.6 - 53	0	Fleming
12. 1901	150850	Supi	W	15 8.5 - 50	25	Pickering
13. 1901	152057	Circini	R	15 20.0 - 57	22	Fleming
14. 1901	160248	Normae	U	16 2.6 - 48	58	Fleming
15. 1901	160952	Normae	W	16 9.0 - 52	21	"
16. 1901	161751	Normae	X	16 17.7 - 51	42	"
17. 1901	163967	Cruc. Aust.	U	16 39.8 - 67	36	"
18. 1901	171843	Scorpii	SW	17 18.1 - 43	44	"
19. 1901	174035	Scorpii	LX	17 40.8 - 35	40	"
20. 1901	174406	Ophiuchi	RL	17 44.8 - 6	40	"
21. 1901	174748	Arae	U	17 47.3 - 48	17	"
22. 1901	174949	Arae	W	17 49.2 - 49	47	"
23. 1901	175839	Cruc. Aust.	W	17 58.2 - 39	20	"
24. 1901	180245	Cruc. Aust.	X	18 2.6 - 45	26	"
25. 1901	180742	Cruc. Aust.	Y	18 7.2 - 42	53	"
26. 1901	181949	Tilicop.	T	18 19.0 - 49	42	"
27. 1901	182416	Sagittarii	SS	18 24.6 - 16	59	"

1901

Provisional Designation of New Variable Stars.

A.N.	Design.	Constellation	Letter	R.A.	Dec.	Discoverer.
28. 1901	184409	Scuti	S	18 44.9 - 8	1	R
29. 1901	185008	Scuti	T	18 50.0 - 8	18	Fleming
30. 1901	185512	Sag.	ST	18 55.9 - 12	54	"
31. 1901	185722	Sag.	SU	18 57.7 - 22	51	"
32. 1901	190049	Tilicopii	U	19 0.5 - 49	4	"
33. 1901	191050	Tilicopii	V	19 10.5 - 50	38	"
34. 1901	192242	Lyrae	RR	19 22.3 + 42	36	"
35. 1901	194350	Tilicopii	W	19 43.1 - 50	15	"
36. 1901	201152	Tilicopii	X	20 11.2 - 52	56	"
37. 1901	201257	Tilicopii	Y	20 12.9 - 51	1	"
38. 1901	213542	Lygus	UU	21 35.6 + 42	49	Colrow
39. 1901	221722	Aquarii	RT	22 17.7 - 22	34	Fleming
40. 1901	222029	Pisc. Aust.	T	22 20.5 - 29	35	"
41. 1901	232848	Androm	Z	23 28.8 + 48	16	"
42. 1901	235525	Pegasi	Z	23 55.0 + 25	21	"
43. 1901	021071	Hydrae		2 10.4 - 71	57	Fleming
44. 1901	022669	Hydrae		2 26.3 - 69	58	Fleming
45. 1901	023723	Orti		2 37.4 - 23	2	Fleming
46. 1901	024154	Horologii	W	2 41.2 - 54	44	Fleming
47. 1901	034601	Cruc. Aust.		3 46.4 - 1	41	Fleming
48. 1901	070135	Puppi		7 1.7 - 35	47	Fleming
49. 1901	070311	Cruc. Major		7 3.4 - 11	46	Fleming
50. 1901	072046	Lyrae		7 20.9 + 46	10	Fleming
51. 1901	081908	Hydrae		8 19.6 - 8	11	Fleming
52. 1901	083409	Hydrae	RV	8 34.9 - 9	14	Fleming
53. 1901	121508	Virginis		12 15.2 - 8	27	Fleming
54. 1901	180656	Centauri		13 6.3 - 56	28	Wells
55. 1901	180802	Virginis		13 8.9 - 2	16	Fleming

1901

Provisional Designation of New Variable Stars

A. N.

Design	Constellation	Letter	R.A.	Dec.	Discoverer
56. 1901 <u>132477</u>	Chamaeleontes	S	13 34.6 - 77 3		Fleming
57. 1901 <u>141647</u>	Perseus	RS	14 16.9 - 47 4		Fleming
58. 1901 <u>161450</u>	Normae		16 14.6 - 50 14		Fleming
59. 1901 <u>181315</u>	Serpentis		18 13.6 - 15 39		Fleming
60. 1901 <u>182345</u>	Coronae Austr.		18 23.7 - 45 2		Fleming
61. 1901 <u>190048</u>	Telescopii		19 0.1 - 48 44		Fleming
62. 1901 <u>192816</u>	Sagittarii		19 28.6 - 16 35		Wells
63. 1901 <u>194041</u>	Sagittarii		19 40.6 - 41 26		Fleming
64. 1901 <u>200027</u>	Sagittarii		20 0.8 - 27 31		Fleming
65. 1901 <u>220585</u>	Octantis		22 57 - 85 10		Fleming
66. 1901 <u>231917</u>	Agrionis	RU	23 19.2 - 17 52		Fleming
67. 1901 <u>234956</u>	Cassiopeia	P	23 49.4 + 56 56		Wells
68. 1901 <u>032043</u>	Perseus	Y	3 20.9 + 43 50		Williams
69. 1901 <u>004533</u>	Androm	RR	0 45.9 + 33 50		Anderson
70. 1901 <u>090151</u>	Ursae Majoris	V	9 1.2 + 51 31		
71. 1901 <u>052142</u>	Aurigae	Y	5 21.5 + 42 21		Williams
72. 1901 <u>190930a</u>	Lynx	RS	19 33 + 33 34		Levashki
73. 1901 <u>184812</u>	Boöti	U	18 48.9 - 12 44		Levashki
74. 1901	Perseus	K			Guthnick
75. 1901	Perseus	36			Reichmüller
76. 1901 <u>175111</u>	Ophiuchi	RT	17 51.8 + 11 11		Anderson
77. 1901 <u>162807</u>	Herulis	SS	16 28.0 + 7 3		Anderson
78. 1901 <u>200041</u>	Cygni	WW	20 0.6 + 41 18		Williams
79. 1901	Androm	RT	23 4 42 + 52 14.4		Reichmüller
80. 1901 <u>052308</u>	Orionis		5 22.4 - 8 9		Wolf
81. 1901 <u>052604</u>	Orionis		5 26.6 - 4 46		"
82. 1901 <u>052706</u>	Orionis		5 28.3 - 6 8		"

1901

Provisional Designation of New Variable Stars.

A. N.

Design	Constellation	Letter	R.A. (1900)	Dec. (1855)	Discoverer
83. 1901 <u>053005</u>	Orionis	TV	5 28.4 - 5 7		Wolf
84. 1901 <u>053105</u>	Orionis		5 28.8 - 5 3		"
85. 1901 <u>053105</u>	Orionis	AZ	5 29.1 - 5 18		"
86. 1901 <u>053403</u>	Orionis	TZ	5 32.5 - 3 30		"
87. 1901 <u>053505</u>	Orionis		5 33.2 - 5 29		"
88. 1901 <u>054206</u>	Orionis		5 40.3 - 6 15		"
89. 1901 <u>054305</u>	Orionis		5 41.1 - 5 44		"
90. 1901	Tauri		3 25.1 + 23 1		"
91. 1901 <u>101741</u>	Velorum	RR	10 17.8 - 41 51		Innes
92. 1901 <u>183437</u>	Cor Auck	AM	18 34.4 - 37 35		Rebert
93. 1901 <u>191419</u>	Sagittae	U	19 14.4 + 19 26		Schwab
94. 1901 <u>211841</u>	Lygyni	Y	21 18.5 + 41 57		Reichmüller
95. 1901 <u>214024</u>	Pegasi	RR	21 40.0 + 24 33		Anderson
96. 1901 <u>205030a</u>	Lygyni	UX	20 50.9 + 30 2		Williams
97. 1901 <u>092551</u>	Velorum	Y	9 25.7 - 51 45		Innes
98. 1901 <u>111561</u>	Canis	RY	11 15.8 - 61 19		Innes
99. 1901 <u>202622</u>	Capriorni	RU	20 26.7 - 22 2		Innes
100. 1901 <u>080525</u>	Cancri	hmn	8 5.2 + 45 30		Reinisch ^{A. N.} ₁₉₀₁

1902.

Provisional Designation of New Variable Stars

A. N.	Design.	Constellation	Letter	R.A.	Dec.	Discoverer
1. 1902	205230	Cygni	W	20 52.3	+ 30 3	Williams
2. 1902		Lacertae		(1855)		
3. 1902	06506	Monocerotis		6 50 37.4	+ 6 21.4	Ceraski
4. 1902	073220	Scor		7 32.6	+ 20 45.3	Ceraski
5. 1902	185737	Lyrae	RT	18 57.8	+ 37 22	Williams
6. 1902	180565	Draconis	W	18 5. + 65	56	(Kreemich)
7. 1902	180666	Draconis	X	18 6.8	+ 66 8	(Kreemich)
8. 1902	054974	Camelopard	U	5 49.4	+ 74 30	(Kreemich)
9. 1902	031428	Arietis		58.1905 See A. N. 158, 375 + 168	77.3 14.7 + 28 36	
10. 1902	215543	Lyrae	W	21 55.2	+ 43 52	Fleming
11. 1902	190941	Lyrae	RU	19 9.1	+ 41 8	Williams
12. 1902	220714	Pegasi	RS	22 7.4	+ 14 4	Graff
13. 1902	191232	Lyrae	RU	19 12.5	+ 32 15	Williams
14. 1902	023041	Arietis		2 30 50	+ 41 34.3	Williams
15. 1902	203411	Delphinus		20 34 43	+ 11 21 1/2	Anderson
16. 1902	202516	Delphinus		20 25 59.5	+ 16 57.2	Ceraski
17. 1902	184043	Lyrae		18 40 45	+ 43 29.2	Williams
18. 1902	161038	Coronae	W	16 10.3	+ 38 8	Anderson
19. 1902	215734	Pegasi	RT	21 57.8	+ 34 25	Anderson
20. 1902	210245	Cygni	RU	21 2.3	+ 45 23	Ceraski
21. 1902	201320	Sagittae	U	20 13 47	+ 20 39.0	Ceraski
22. 1902	022741	Eridani	X	2 27.4	- 41 54	(Kaper)
23. 1902	032528	Fornacis	T	3 25.4	- 28 45	(Kaper)

1903.

Provisional Designation of New Variable Stars.

Design.	Constellation	Letter	On.	R.A. 1900	Dec. 1900	Discoverer
1. 1903 055353	Aurigue	f		5	53.6 + 53 18	Anderson
2. 1903 093178	Draconis	g		9	31.1 + 78 18	Ceracki
3. 1903 093656	Ursae Maj.	h		9	36.7 + 56 25	M ^{and} K.
4. 1903 113972	Draconis	j		11	39.8 + 72 49	Ceracki
5. 1903 054615	Tauri	KL		5	46.1 + 15 51	Anderson
6. 1903	Sauri					Anderson
7. 1903	Geminorum					Graff
8. 1903	Ursae Maj.					Graff
9. 1903 070122	Geminorum	j		7	1.6 + 22 41	Graff
10. 1903 185032	Lynce	KL		18	50.4 + 32 42	Silbermagel
11. 1903 013238	Andromedae	KL		1	32.8 + 38 10	Williamus
12. 1903 063730	Nova Gemini.			6	37.8 + 30 3	Turner
13. 1903 071531	Geminorum	KL		7	15.1 + 31 4	Ceracki
14. 1903 065530	Geminorum	KL		6	55.2 + 30 40	Ceracki
15. 1903 021281	Cephei	j		2	12.8 + 81 13	Ceracki
16. 1903 071201	Monocerotis	KL		7	12.4 + 1 17	Ceracki
17. 1903 154134	Lynce	KL		18	41.2 + 34 34	Williamus
18. 1903 012288	Ursae Min.			1	22.6 + 88 46	Olemaens
19. 1903 183932	Lynce	KL		18	39.9 + 32 41	Williamus
20. 1903 061275	Canislop.	W		6	12.2 + 75 30	Ceracki
21. 1903 072776	Canislop.	g		7	27.6 + 76 17	Ceracki
22. 1903 043274	Canislop.	X		4	32.6 + 74 56	Ceracki
23. 1903 002233	Sculptoris	KL		0	22.5 - 33 26	de Sitter
24. 1903 071725	Canis Majoris	T		7	17.3 - 25 16	de Sitter
25. 1903 082139	Puppis			8	21.8 - 39 43	
26. 1903 162546	Normae	g		16	25.6 - 46 44	de Sitter
27. 1903 174824	Sagittarii			17	48.2 - 24 49	de Sitter

1903

Provisional Designation of New Variable Stars.

Design.	Constellation	Letter	R.A. 1900	Dec. 1900	Discoverer
28. 1903 235424	Orionis	g	23	54.4 - 24 57	de Sitter
29. 1903 154748	Herculis	ST	15	47.8 + 48 48	M ^{and} K.
30. 1903 175724	Sagittarii	ST	17	57.2 - 24 30	Wolf
31. 1903 174422	Herculis	KL	17	44.7 + 22 34	Ceracki
32. 1903 052704	Orionis		5	27.0 - 4 31	Wolf
33. 1903 052705a	Orionis		5	27.2 - 5 7	Wolf
34. 1903 052707a	Orionis		5	27.3 - 7 33	Wolf
35. 1903 052707b	Orionis		5	27.8 - 7 39	Wolf
36. 1903 052805a	Orionis	RZ	5	28.6 - 5 46	Wolf
37. 1903 052904a	Orionis	KL	5	29.0 - 4 52	Wolf
38. 1903 052906a	Orionis	SW	5	29.4 - 6 40	Wolf
39. 1903 052904b	Orionis	SX	5	29.9 - 4 44	Wolf
40. 1903 053005c	Orionis	ZZ	5	30.0 - 5 51	Roberts
41. 1903 053005d	Orionis	AA	5	30.3 - 5 50	Roberts
42. 1903 053004a	Orionis	JJ	5	30.3 - 4 50	Roberts
43. 1903 053005e	Orionis	AG	5	30.4 - 5 39	Wolf
44. 1903 053104a	Orionis	AS	5	31.0 - 4 51	Wolf
45. 1903 053106a	Orionis	AT	5	31.0 - 6 55	Wolf
46. 1903 053106b	Orionis	AV	5	31.2 - 6 46	Wolf
47. 1903 053307a	Orionis		5	33.6 - 7 19	Wolf
48. 1903 053608a	Orionis	KL	5	36.0 - 8 8	Wolf
49. 1903 053604a	Orionis	g	5	36.6 - 4 11	Wolf
50. 1903 053006b	Orionis	KL	5	30.7 - 6 49	Wolf
51. 1903 053203	Orionis		5	32.3 - 3 35	
52. 1903 053404	Orionis		5	34.5 - 4 57	
53. 1903 053506	Orionis		5	35.7 - 6 29	
54. 1903 053608	Orionis		5	36.0 - 8 8	

Provisional Designation of New Variable Stars.

A.N.

Design.	Constellation	Letter	R.A. 1900	Dec. 1900	Discoverer
55.1903 261134	Lygni	UV	20	11.4 + 34 12	Williams
56.1903 023080	Cephei	RR	2	30.2 + 30 42	Ceracki
57.1903 133273	Ursae Min.	T	13	32.6 + 73 56	Ceracki
58.1903 205339	Lygni	VX	20	53.6 + 39 48	Williams
59.1903 201437	Lygni	WX	20	14.8 + 37 8	Wolf
60.1903 001706	Pisces	U	0	17.2 + 6 7	Brinhart
61.1903 210039	Lygni	VZ	21	0.4 + 39 34	Williams
62.1903 021143	Andromedae		2	11.4 + 43 50	Hagen
63.1903 191046	Lygni	SS	19	10.4 + 46 49	Anderson
64.1903 192710	Aquilae	SS	19	27.8 + 10 19	Wolf
65.1903 193007	Aquilae		19	30.4 + 7 2	Wolf ✓
66.1903 193312	Aquilae		19	33.2 + 12 34	Wolf ✓
67.1903 193412	Aquilae		19	34.0 + 12 2	Wolf ✓
68.1903 193411a	Aquilae	SV	19	34.3 + 11 43	Wolf ✓
69.1903 193607	Aquilae		19	36.4 + 7 11	Wolf ✓
70.1903 193813	Aquilae		19	38.1 + 13 20	Wolf ✓
71.1903 194008	Aquilae	RX	19	40.4 + 8 12	Wolf ✓
72.1903 194110a	Aquilae		19	41.8 + 10 32	Wolf ✓
73.1903 194110b	Aquilae		19	41.9 + 10 13	Wolf ✓
74.1903 194207	Aquilae		19	42.4 + 7 23	Wolf ✓
75.1903 194212	Aquilae		19	42.5 + 12 14	Wolf ✓
76.1903 194209a	Aquilae		19	42.8 + 9 42	Wolf ✓
77.1903 194311	Aquilae	RY	19	43.7 + 11 17	Wolf ✓
78.1903 194412	Aquilae	ST	19	44.6 + 12 7	Wolf
79.1903 194412a	Aquilae	SW	19	46.0 + 12 34	Wolf ✓
80.1903 194412b	Aquilae	SX	19	46.3 + 12 58	Wolf ✓
81.1903 194809	Aquilae		19	48.7 + 9 7	Wolf ✓

Provisional Designation of New Variable Stars.

A.M.

Design.	Constellation	Letter	R.A. 1900	Dec. 1900	Discoverer
82.1903 194910a	Aquilae		19	49.0 + 10 44	Wolf ✓
83.1903 194909	Aquilae	RZ	19	49.1 + 9 24	Wolf ✓
84.1903 194907a	Aquilae		19	49.4 + 7 21	Wolf ✓
85.1903 194907b	Aquilae		19	49.5 + 7 45	Wolf ✓
86.1903 223462	Tucanae	T	22	34.0 - 62 4	Looper

Provisional Designation of New Variable Stars.

A. N.	Designation	Constellation	Letter	R.A.	Dec.	Discoverer
	1. 1904 022150	Cassio	RR	2 21.8	+ 50 50	Cassio
	2. 1904 045823	Tauri	RT	4 58.2	+ 23 30	Millonich
	3. 1904 075820	Cassio	Y	7 58.6	+ 20 25	Wolf
	4. 1904 203226	Ursae	V	20 32.3	+ 26 15	Williams
	5. 1904 200526	Ursula	W	20 59	+ 26 0	Cassio
	6. 1904 025867	Cassiopeia		2 58.8	+ 67 11	Cassio
	7. 1904 214742	Cygni	UG	21 47.7	+ 42 40	Cassio
	8. 1904 053005	Orionis		5 30.9	- 5 20	Wolf
	9. 1904 055020	Orionis	UW	5 50.0	+ 20 9	Knuth
	10. 1904 070205	Monoceros	RS	7 2.2	+ 5 9	Anderson
	11. 1904 053201	Orionis		5 32.6	- 1 50	Wolf
	12. 1904 064018	Geminorum	RT	6 40.7	+ 18 44	Wolf
	13. 1904 101112	Leonis		10 11.8	+ 12 53	Wolf
	14. 1904 200158	Cygni		20 1.3	+ 58 40	Cassio
	15. 1904 072121	Geminorum	RU	7 21.0	+ 21 38	Boklin
	16. 1904 021556	Cassio	RS	2 15.3	+ 56 39	Cassio
	17. 1904 020448	Andromeda	RV	2 4.6	+ 48 28	Williams
	18. 1904 172809	Orionis	RU	17 28.5	+ 9 30	Cassio
	19. 1904 094735	Scorpii	S	9 47.8	+ 35 24	Anderson
	20. 1904 054615	Tauri	RU	5 46.9	+ 15 57	Fleming
	21. 1904 062742	Aurigae		6 27.6	+ 42 34	Fleming
	22. 1904 074205	Canis Majoris		7 42.8	+ 5 44	Wells
	23. 1904 092048	Delphinus		9 20.4	- 48 26	Fleming
	24. 1904 103270	Corinae	RZ	10 32.8	- 70 12	Fleming
	25. 1904 115158	Ursae Majoris	Z	11 57.3	+ 58 26	King
	26. 1904 125057	Crucis		12 50.7	- 57 21	Fleming
	27. 1904 130756	Cassio		13 7.6	- 56 26	Boklin

Provisional Designation of New Variable Stars.

A. N.	Designation	Constellation	Letter	R.A.	Dec.	Discoverer
	28. 1904 133119	Ursae		13 31.0	- 19 5	Fleming
	29. 1904 171145	Ursae		17 11.6	- 45 52	Wells
	30. 1904 183728	Cygni		18 37.6	+ 28 43	Fleming
	31. 1904 201250	Ursae		20 12.9	- 50 8	Wells
	32. 1904 201316	Capricornus		20 13.3	- 16 10	Fleming
	33. 1904 205840	Cygni		20 58.9	+ 40 54	Wells
	34. 1904 225914	Scorpii	RW	22 59.2	+ 14 45	Knuth
	35. 1904 231110	Scorpii		23 11.8	+ 10 4	Fleming
	36. 1904 052705	Orionis	UZ	5 27.9	- 5 44	Leavitt
	37. 1904 052805	Orionis	UX	5 28.4	- 5 26	Leavitt
	38. 1904 052804	Orionis	UX	5 28.6	- 4 48	Leavitt
	39. 1904 052804	Orionis		5 28.6	- 4 48.2	"
	40. 1904 052805	Orionis	VY	5 28.7	- 5 57	"
	41. 1904 052806	Orionis	SS	5 28.8	- 6 22.8	"
	42. 1904 052806	Orionis	ST	5 28.9	- 6 44.3	"
	43. 1904 052905	Orionis		5 29.0	- 5 45.8	"
	44. 1904 052906	Orionis	SV	5 29.1	- 6 40.3	"
	45. 1904 052905	Orionis	WU	5 29.1	- 5 41.1	"
	46. 1904 052905	Orionis	WX	5 29.2	- 5 17.8	"
	47. 1904 052906	Orionis		5 29.2	- 4 54.1	"
	48. 1904 052905	Orionis		5 29.4	- 5 8.6	"
	49. 1904 052905	Orionis	WZ	5 29.5	- 5 38.0	"
	50. 1904 052905	Orionis		5 29.5	- 4 49.5	"
	51. 1904 052906	Orionis	XX	5 29.7	- 6 9.6	Roberts
	52. 1904 052905	Orionis		5 29.7	- 5 39.0	Leavitt
	53. 1904 052905	Orionis		5 29.7	- 5 26.8	"
	54. 1904 052905	Orionis	XY	5 29.8	- 5 50.1	"

Provisional Designation of New Variable Stars.

A.N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
55.1904 <u>052905</u>	Orionis	XZ	5 29.8 - 5 14.8	Leavitt	1916
56.1904 <u>052906</u>	Orionis	YY	5 29.9 - 6 2.0	"	"
57.1904 <u>053005</u>	Orionis		5 30.0 - 5 45.7	"	"
58.1904 <u>053006</u>	Orionis		5 30.0 - 6 27.9	"	"
59.1904 <u>053005</u>	Orionis		5 30.1 - 5 58.6	"	"
60.1904 <u>053004</u>	Orionis		5 30.1 - 4 54.8	Leavitt	"
61.1904 <u>053005</u>	Orionis	SZ	5 30.2 - 5 40.3	Leavitt	"
62.1904 <u>053004</u>	Orionis	SY	5 30.2 - 4 31.7	Roberts	"
63.1904 <u>053005</u>	Orionis		5 30.2 - 5 41.1	Leavitt	"
64.1904 <u>053005</u>	Orionis	AB	5 30.3 - 5 47.2	"	"
65.1904 <u>053005</u>	Orionis		5 30.3 - 5 43.2	"	"
66.1904 <u>053005</u>	Orionis		5 30.4 - 5 56.1	"	"
67.1904 <u>053004</u>	Orionis		5 30.4 - 4 57.8	"	"
68.1904 <u>053005</u>	Orionis		5 30.4 - 4 46.2	"	"
69.1904 <u>053005</u>	Orionis	AH	5 30.5 - 5 13.7	"	"
70.1904 <u>053005</u>	Orionis	AD	5 30.5 - 5 15.0	"	"
71.1904 <u>053005</u>	Orionis	AK	5 30.5 - 5 29.6	"	"
72.1904 <u>053004</u>	Orionis	AL	5 30.6 - 4 59.1	"	"
73.1904 <u>053005</u>	Orionis	AM	5 30.7 - 5 25.5	"	"
74.1904 <u>053005</u>	Orionis	AN	5 30.8 - 5 32.1	"	"
75.1904 <u>053005</u>	Orionis	AO	5 30.8 - 5 9.7	"	"
76.1904 <u>053005</u>	Orionis		5 30.9 - 5 5.1	"	"
77.1904 <u>053005</u>	Orionis		5 30.9 - 5 53.5	Roberts	"
78.1904 <u>053105</u>	Orionis	AR	5 31.0 - 5 8.0	Leavitt	"
79.1904 <u>053105</u>	Orionis		5 31.0 - 6 25.5	"	"
80.1904 <u>053104</u>	Orionis		5 31.2 - 4 45.5	"	"
81.1904 <u>053106</u>	Orionis	AX	5 31.2 - 6 18.2	"	"

Provisional Designation of New Variable Stars.

A.N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
82.1904 <u>053106</u>	Orionis	AW	5 31.3 - 6 52.0	"	"
83.1904 <u>053106</u>		AW	5 31.3 - 6 33.3	"	"
84.1904 <u>053106</u>		BB	5 31.5 - 6 21.5	"	"
85.1904 <u>053105</u>		BC	5 31.7 - 5 29.9	"	"
86.1904 <u>053106</u>		BD	5 31.8 - 6 23.1	"	"
87.1904 <u>053206</u>		BE	5 32.1 - 6 37.1	"	"
88.1904 <u>053307</u>			5 33.0 - 7 1.2	"	"
89.1904 <u>053506</u>		BH	5 35.2 - 6 18.9	"	"
90.1904 <u>052805</u>		VZ	5 28.8 - 5 35.3	Leavitt	"
91.1904 <u>052905</u>		WY	5 29.2 - 5 36.3	"	"
92.1904 <u>052905</u>			5 29.5 - 5 1.1	"	"
93.1904 <u>052905</u>	Orionis	YZ	5 29.9 - 5 7.5	Roberts	"
94.1904 <u>053006</u>			5 30.0 - 6 33.5	Leavitt	"
95.1904 <u>053005</u>			5 30.1 - 5 27.0	"	"
96.1904 <u>053005</u>			5 30.1 - 5 48.5	"	"
97.1904 <u>053005</u>			5 30.2 - 5 29.3	"	"
98.1904 <u>053005</u>			5 30.2 - 5 35.5	"	"
99.1904 <u>053005</u>			5 30.3 - 5 34.5	"	"
100.1904 <u>053005</u>			5 30.4 - 5 35.3	"	"
101.1904 <u>052004</u>			5 30.6 - 4 53	"	"
102.1904 <u>053005</u>		AP	5 30.9 - 5 32.0	"	"
103.1904 <u>053105</u>			5 31.0 - 5 5.7	"	"
104.1904 <u>053105</u>			5 31.0 - 5 30.3	"	"
105.1904 <u>053106</u>		au	5 31.1 - 6 1.3	"	"
106.1904 <u>053105</u>	Orionis		5 31.0 - 5 21	"	"
107.1904 <u>053304</u>	Orionis		5 33.0 - 4 17	Leavitt	"
108.1904 <u>233261</u>	Carispha	PS	23 32.6 + 61 53	Carispha	"

Provisional Designation of New Variable Stars.

A. N.	Designation	Constellation	Letter	R.A.	Dec.	Discoverer
109.1904 190643		Ursae	ST	19 66 + 43 29		Czernski
110.1904 224455		Sacertae	U	22 44.6 + 55 48		Czernski
111.1904 193310		Aquilae		19 33.7 + 10 22		Wolf ✓
112.1904 193410		Aquilae		19 34.2 + 10 17		Wolf ✓
113.1904 141467		Ursae Min	U	14 14.9 + 67 10		Czernski
114.1904 052406		Orionis	RX	5 24.0 - 6 11.3		Leavitt Cui 79
115.1904 052504		Orionis		5 25.2 - 4 33.9		Leavitt
116.1904 052705		Orionis	uy	5 27.1 - 5 0.7		Leavitt
117.1904 052702		Orionis	Ry	5 27.1 - 2 53.7		Leavitt
118.1904 053005		Orionis	JU	5 30.4 - 5 24.8		Leavitt
119.1904 053006		Orionis		5 30.6 - 6 51.7		Leavitt
120.1904 053206		Orionis	BF	5 32.4 - 6 38.6		Leavitt
121.1904 053302		Orionis	TX	5 33.5 - 2 48.0		Leavitt
122.1904 053302		Orionis	TY	5 33.6 - 2 48		Leavitt
123.1904 101660		Carinae		10 16.8 - 60 57		Leavitt
124.1904 102060		Carinae		10 20.9 - 60 24		Leavitt
125.1904 103458		Carinae		10 34.6 - 58 41		Leavitt
126.1904 103460		Carinae		10 34.7 - 60 16		Leavitt
127.1904 103657		Carinae		10 36.4 - 57 25		Leavitt
128.1904 104759		Carinae		10 47.0 - 59 49		Leavitt
129.1904 104957		Carinae		10 49.9 - 57 59		Leavitt
130.1904 105057		Carinae		10 50.2 - 57 52		Leavitt
131.1904 105058		Carinae		10 50.4 - 58 15		Leavitt
132.1904 105160		Carinae		10 51.3 - 60 24		Pickering
		Small Magellanic Cloud		0 9.5 - 73 11		Leavitt
		Large Magellanic Cloud		4 55.2 - 67 38		Leavitt
133.1904 060448		Antigae	RR	6 4.8 + 43 11		Fleming

Provisional Designation of New Variable Stars.

A. N.	Designation	Constellation	Letter	R.A.	Dec.	Discoverer
134.1904 123556		Ursae Majoris	g	12 35.8 + 56 24		R
135.1904 144342		Centauri	Ry	14 43.3 - 42 5		Fleming
136.1904 172907		Ophiuchi	Rv	17 29.8 + 7 19		Fleming
137.1904 171831		Sagittarii	SV	19 13.4 - 31 54		Fleming
138.1904 211741		Microscopii	U	21 17.5 - 41 7		Fleming
139.1904 184017		Sagittarii		18 40.0 - 17 24		Wolf
140.1904 184214		Scuti	V	18 42.5 - 12 14		Dugan
141.1904 071124		Gemini	RV	7 11.9 + 24 6		Wolf
142.1904 220912		Pegasi	RU	22 9.2 + 12 12		Isaacs
143.1904 203223		Ursae		20 32.0 + 23 31		Wolf
144.1904 203222		Ursae		20 32.3 + 22 33		Wolf
145.1904 203325		Ursae		20 32.7 + 25 58		Wolf
146.1904 203422		Ursae		20 34.5 + 22 54		Kötz
147.1904 203523		Ursae		20 34.9 + 23 9		Wolf
148.1904 203526		Ursae		20 35.4 + 26 55		Wolf
149.1904 203726		Ursae		20 37.4 + 26 57		Wolf
150.1904 205226		Ursae		20 51.6 + 26 18		Wolf
151.1904 205223		Ursae		20 52.3 + 23 12		Wolf
152.1904 205327		Ursae		20 53.1 + 27 28		Wolf
153.1904 205325		Ursae		20 53.4 + 25 7		Wolf
154.1904 200041		Cygni	UV	20 0.6 + 41 18		Czernski
155.1904 031446		Cassio	RT	3 16.7 + 46 12		Czernski
156.1904 010102		Ceti	f	1 1.6 - 2 1		Luther
157.1904 055646		Aurigae	RS	5 52.4 + 46 16		Czernski
158.1904 175007		Ophiuchi	RV	17 50.5 + 7 51		Czernski
159.1904 222129		Pegasi	RV	22 21.0 + 29 58		Williams
160.1904 234153		Canis Major	RT	23 41.4 + 53 57		Czernski

Provisional Designation of New Variable Stars.

a.n.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
161. 1904 195326	Ursulae	X	19 53.3 + 26 17		Ceraski
162. 1904 182224	Hercules	SV	18 22.3 + 24 58		Pickering
163. 1904 220337	Sagittae	W	22 3.2 + 37 15		Ceraski
164. 1904 214443	Cygni	Wg	21 44.7 + 43 46		Ceraski
165. 1904 181115	Serpentis	V	18 11.1 - 15 33		Leavitt
166. 1904 230552	Andromeda		23 5.1 + 52 31		Kraff
167. 1904 230752	Andromeda		23 7.0 + 52 21		Kraff
168. 1904 053205	Orionis		5 32.1 - 5 28		Roberts
169. 1904 053205	Orionis		5 32.6 - 5 16		Roberts
170. 1904 052905	Orionis		5 29.1 - 5 41		Leavitt
171. 1904 052905	Orionis		5 29.3 - 5 38		Leavitt
172. 1904 052905	Orionis		5 29.5 - 5 1		Leavitt
173. 1904 052905	Orionis		5 29.5 - 5 14		Leavitt C186
174. 1904 052905	Orionis		5 29.9 - 5 46		Leavitt
175. 1904 052905	Orionis		5 29.9 - 5 46.4		Leavitt
176. 1904 053006	Orionis		5 30.6 - 6 54		Leavitt
177. 1904 053106	Orionis		5 31.1 - 6 49.7		Leavitt
178. 1904 053005	Orionis		5 30.3 - 5 28		Parkhurst
179. 1904 053005	Orionis		5 30.3 - 5 28		Parkhurst
180. 1904 053005	Orionis	AC	5 30.4 - 5 28		Parkhurst
181. 1904 053005	Orionis	AD	5 30.4 - 5 26		Parkhurst
182. 1904 053005	Orionis	AF	5 30.4 - 5 27		Parkhurst
183. 1904 081473	Camelopard	J	8 14.1 + 73 26		(Greenwich)
184. 1904 194080	Draconis		19 40.6 + 80 42		(Greenwich)
185. 1904 214464	Cygnus		21 44.2 + 44 9		Ceraski
186. 1904 010564	Carinae	RU	1 5.3 + 64 27		Barr.
187. 1904	Carinae		3 + 39		Williams

Provisional Designation of New Variable Stars.

a.n.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
188. 1904 184062	Draconis		18 40.9 + 62 34		Ceraski
189. 1904 004132			0 41.9 + 32 8		Williams
190. 1904 001855	Carinae		0 18.0 + 55 15		Targ
191. 1904 156723	Scorpii		15 57.6 - 23 18.4		Leavitt
192. 1904 160121	Scorpii		16 1.1 - 21 54.0		Leavitt C190
193. 1904 160123	Scorpii	IM	16 1.2 - 23 24.0		Leavitt
194. 1904 160123	Scorpii		16 1.8 - 23 26		Leavitt
195. 1904 160123	Scorpii		16 1.9 - 23 47.6		Leavitt
196. 1904 160221	Scorpii		16 2.6 - 21 49.1		Leavitt
197. 1904 160321	Scorpii		16 3.7 - 21 37.9		Leavitt
198. 1904 160422	Scorpii		16 4.3 - 22 27.3		Leavitt
199. 1904 160423	Scorpii		16 4.4 - 23 50.4		Leavitt
200. 1904 160422	Scorpii		16 4.9 - 22 48.2		Leavitt
201. 1904 160619	Scorpii	an	16 6.1 - 19 40.3		Leavitt
202. 1904 160523	Scorpii		16 6.6 - 20 40.4		Leavitt
203. 1904 160521	Scorpii		16 8.8 - 21 27.1		Leavitt
204. 1904 160921	Scorpii	AO	16 9.1 - 21 30.6		Leavitt
205. 1904 160924	Scorpii		16 9.6 - 24 46.0		Leavitt
206. 1904 160923	Scorpii		16 9.6 - 22 28.1		Leavitt
207. 1904 161023	Scorpii	AP	16 10.2 - 23 21.3		Leavitt
208. 1904 161021	Scorpii		16 11.0 - 21 24.3		Leavitt
209. 1904 161221	Scorpii		16 12.2 - 21 34.6		Leavitt
210. 1904 161220	Scorpii		16 12.4 - 20 57.4		Leavitt
211. 1904 161323	Scorpii		16 13.5 - 22 7.0		Leavitt
212. 1904 161323	Scorpii		16 13.7 - 23 10.0		Leavitt
213. 1904 161423	Scorpii	AO	16 14.6 - 23 0.2		Leavitt
214. 1904 161521	Scorpii		16 15.0 - 21 17.4		Leavitt

1904

Provisional Designation of New Variable Stars

A.N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
215.1904 <u>161521</u>	Scorpii		16 15.5	- 21 53.1	Leavitt
216.1904 <u>161522</u>	Scorpii	AR	16 15.8	- 22 39.1	Leavitt
217.1904 <u>161620</u>	Scorpii	AS	16 16.7	- 20 44.3	Leavitt
218.1904 <u>161822</u>	Scorpii		16 18.2	- 22 16.0	Leavitt
219.1904 <u>161924</u>	Scorpii		16 19.4	- 24 15.9	Leavitt
220.1904 <u>162022</u>	Scorpii		16 20.7	- 22 5.6	Leavitt
221.1904 <u>162022</u>	Scorpii		16 20.8	- 22 0.3	Leavitt
222.1904 <u>162131</u>	Scorpii		16 21.0	- 31 4.7	Leavitt
223.1904 <u>162221</u>	Scorpii		16 22.1	- 21 22.1	Leavitt
224.1904 <u>162221</u>	Scorpii		16 22.4	- 21 32.8	Leavitt
225.1904 <u>162329</u>	Scorpii		16 23.1	- 29 48.3	Leavitt
226.1904 <u>162320</u>	Scorpii		16 23.2	- 20 1.0	Leavitt
227.1904 <u>162527</u>	Scorpii	AT	16 25.5	- 27 41.7	Leavitt
228.1904 <u>162626</u>	Scorpii		16 26.7	- 26 10.4	Leavitt
229.1904 <u>162725</u>	Scorpii		16 27.2	- 25 58.6	Leavitt
230.1904 <u>162726</u>	Scorpii		16 27.6	- 26 32.2	Leavitt
231.1904 <u>162826</u>	Scorpii	AU	16 28.0	- 26 24.2	Leavitt
232.1904 <u>162926</u>	Scorpii		16 29.1	- 26 16.5	Leavitt
233.1904 <u>163029</u>	Scorpii		16 30.7	- 29 31.8	Leavitt
234.1904 <u>163027</u>	Scorpii		16 30.9	- 27 6.5	Leavitt
235.1904 <u>163127</u>	Scorpii	AV	16 31.2	- 27 53.6	Leavitt
236.1904 <u>163129</u>	Scorpii	AW	16 31.5	- 29 6.9	Leavitt
237.1904 <u>163228</u>	Scorpii		16 32.0	- 28 22.0	Leavitt
238.1904 <u>163227</u>	Scorpii		16 32.6	- 27 49.4	Leavitt
239.1904 <u>163427</u>	Scorpii		16 34.8	- 27 15.9	Leavitt
240.1904 <u>163624</u>	Scorpii		16 36.6	- 24 34.2	Leavitt
241.1904 <u>163827</u>	Scorpii	ay	16 38.3	- 27 49.9	Leavitt

1904

Provisional Designation of New Variable Stars

A.N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
242.1904 <u>163524</u>	Scorpii		16 38.7	- 24 55.6	Leavitt
243.1904 <u>163828</u>	Scorpii		16 38.8	- 28 43.2	Leavitt
244.1904 <u>163926</u>	Scorpii	AZ	16 39.0	- 26 41.5	Leavitt
245.1904 <u>163929</u>	Scorpii		16 39.5	- 28 1.7	Leavitt
246.1904 <u>163929</u>	Scorpii	BB	16 39.7	- 29 31.9	Leavitt
247.1904 <u>164027</u>	Scorpii		16 40.4	- 27 12.4	Leavitt
248.1904 <u>164029</u>	Scorpii	BC	16 40.4	- 29 57.5	Leavitt
249.1904 <u>164027</u>	Scorpii	BD	16 40.5	- 27 56.8	Leavitt
250.1904 <u>164130</u>	Scorpii	BE	16 41.1	- 30 15.7	Leavitt
251.1904 <u>164128</u>	Scorpii		16 41.1	- 28 1.9	Leavitt
252.1904 <u>164129</u>	Scorpii		16 41.2	- 29 25.3	Leavitt
253.1904 <u>164229</u>	Scorpii	BF	16 42.2	- 29 56.9	Leavitt
254.1904 <u>164327</u>	Scorpii		16 43.1	- 27 2.6	Leavitt
255.1904 <u>164327</u>	Scorpii	BG	16 43.6	- 27 16.2	Leavitt
256.1904 <u>164328</u>	Scorpii		16 43.6	- 29 24.1	Leavitt
257.1904 <u>164328</u>	Scorpii		16 43.9	- 28 17.2	Leavitt
258.1904 <u>164427</u>	Scorpii	BH	16 44.1	- 27 49.6	Leavitt
259.1904 <u>164428</u>	Scorpii		16 44.2	- 28 1.2	Leavitt
260.1904 <u>164425</u>	Scorpii		16 44.3	- 25 23.4	Leavitt
261.1904 <u>164427</u>	Scorpii	BI	16 44.6	- 27 47.6	Leavitt
262.1904 <u>164625</u>	Scorpii		16 46.3	- 28 22.8	Leavitt
263.1904 <u>174622</u>	Sagittarius		17 46.0	- 22 35.3	Leavitt
264.1904 <u>174721</u>	Sagittarius		17 47.1	- 21 44.6	Leavitt
265.1904 <u>174921</u>	Sagittarius	AS	17 49.1	- 21 43.5	Leavitt
266.1904 <u>175117</u>	Sagittarius		17 51.1	- 19 19.5	Leavitt
267.1904 <u>175421</u>	Sagittarius		17 54.4	- 21 7.7	Leavitt
268.1904 <u>175726</u>	Sagittarius	AT	17 57.3	- 26 28.6	Leavitt

1904.

Provisional Designation of New Variable Stars.

a.m.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer.
269.1904 175822	Sagittarius	au	17	58.4 - 22	57.5 Leavitt
270.1904 175822	Sagittarius	av	17	58.8 - 22	44.1 Leavitt
271.1904 180222	Sagittarius		18	2.0 - 22	14.1 Leavitt
272.1904 180222	Sagittarius		18	2.3 - 22	57.3 Leavitt
273.1904 180223	Sagittarius	aw	18	2.4 - 23	4.8 Leavitt
274.1904 180620	Sagittarius		18	6.1 - 20	43.4 Leavitt
275.1904 180829	Sagittarius		18	8.7 - 29	44.2 Leavitt
276.1904 181627	Sagittarius		18	16.8 - 27	28.4 Leavitt
277.1904 181718	Sagittarius	ay	18	17.4 - 18	37.4 Leavitt
278.1904 181730	Sagittarius	az	18	17.8 - 30	38.8 Leavitt
279.1904 043208	Tauri		4	32.8 + 8	9 Fleming ^{Co 72}
280.1904 052504	Orionis		5	25.1 + 4	7 Fleming
281.1904 181631	Lynce		18	16.7 + 31	41 Fleming
282.1904 190819	Sagittarius	BH	19	8.5 - 19	0 Beuker
283.1904 200749	Ursini		20	7.8 + 49	9 Fleming

1905

Provisional Designation of New Variable Stars

A.N.

Designation	Constellation	Letter	P.A.	Dec.	Discoverer
1.1905	Lemniscatus		5	56.2 + 27 31	Wolf
2.1905 190904	Aquilae	XY	19	3 38 + 4 1.6	Wolf ✓
3.1905 191100a	Aquilae		19	10 14 - 0 5.6	Wolf ✓
4.1905 191100b	Aquilae		19	10 20 - 0 49.4	Wolf ✓
5.1905 191403	Aquilae		19	12 52 + 3 10.5	Wolf ✓
6.1905 191501	Aquilae		19	14 37 + 1 34.5	Wolf ✓
7.1905 191600	Aquilae		19	15 39 + 0 31.5	Wolf ✓
8.1905 191703	Aquilae		19	16 8 + 3 4.5	Wolf ✓
9.1905 191700	Aquilae		19	16 27 - 0 51.4	Wolf ✓
10.1905 191700	Aquilae		19	16 30 + 0 18.6	Wolf ✓
11.1905 191805a	Aquilae		19	16 59 + 5 40.9	Wolf ✓
12.1905 191805b	Aquilae		19	17 5 + 5 29.3	Wolf ✓
13.1905 191801	Aquilae		19	17 10 + 1 16.9	Wolf ✓
14.1905 191903	Aquilae		19	18 42 + 3 44.4	Wolf ✓
15.1905 192002	Aquilae		19	18 48 + 2 35.0	Wolf ✓
16.1905 192105	Aquilae		19	19 55 + 4 58.8	Wolf ✓
17.1905 192204	Aquilae		19	21 25 + 4 7.1	Wolf ✓
18.1905 192303	Aquilae		19	21 46 + 3 26.8	Wolf ✓
19.1905 192403	Aquilae		19	22 43 + 3 25.5	Wolf ✓
20.1905 192501	Aquilae		19	24 18 + 1 54.8	Wolf ✓
21.1905 192602a	Aquilae		19	24 44 + 2 27.7	Wolf ✓
22.1905 192600a	Aquilae		19	24 49 + 0 52.2	Wolf ✓
23.1905 192602b	Aquilae		19	24 58 + 2 15.3	Wolf ✓
24.1905 192600b	Aquilae		19	25 35 + 0 22.2	Wolf ✓
25.1905 192701	Aquilae		19	25 54 + 1 47.0	Wolf ✓
26.1905 192802	Aquilae		19	26 50 + 2 35.4	Wolf ✓
27.1905 192801	Aquilae		19	27 9 + 1 19.3	Wolf ✓

1905

Provisional Designation of New Variable Stars

A.N.

Designation	Constellation	Letter	P.A.	Dec.	Discoverer
28.1905 192803	Aquilae		19	27 14 + 3 15.6	Wolf ✓
29.1905 192804	Aquilae		19	27 42 + 4 45.1	Wolf ✓
30.1905 192900	Aquilae		19	28 34 + 0 48.6	Wolf ✓
31.1905 193000	Aquilae		19	29 3 + 0 26.3	Wolf ✓
32.1905 193003	Aquilae		19	29 39 + 3 47.0	Wolf ✓
33.1905 193103	Aquilae	U	19	29 47 + 3 48.9	Wolf ✓
34.1905 193101	Aquilae		19	29 57 + 1 46.6	Wolf ✓
35.1905 193104	Aquilae		19	30 18 + 4 27.5	Wolf ✓
36.1905 193202	Aquilae		19	30 52 + 2 19.4	Wolf ✓
37.1905 193205	Aquilae		19	30 54 + 5 50.6	Wolf ✓
38.1905 005840	Andromedae		0	58.9 + 40 46.2	Williams
39.1905 184074	Draconis		18	40.2 + 74 14	Ceraski
40.1905 052372	Comae Ber.		5	23.4 + 72 23	Ceraski
41.1905 004746	Cassiopeiae		0	47.1 + 46 53	Ceraski
42.1905 080310	Monocerotis	RT	8	3.9 - 10 31	Anderson
43.1905 064907	Monocerotis	RU	6	49.4 - 7 28	Ceraski
44.1905 231539	Andromedae	RY	23	15.9 + 39 5	Ceraski
45.1905 044126	Tauri		4	41.0 + 26 0	Ceraski
46.1905 013057	Cassiopeiae	+57°34.2	1	30.7 + 57 15	Ceraski
47.1905 062230	Aurigae	RT	6	22.1 + 30 34	Arthur
48.1905 193208	Aquilae		19	32.3 + 8 59	Wolf ✓
49.1905 193411b	Aquilae		19	34.5 + 11 58	Wolf ✓
50.1905 193910	Aquilae		19	39.0 + 10 38	Wolf ✓
51.1905 193907	Aquilae		19	39.7 + 7 21	Wolf ✓
52.1905 194011	Aquilae		19	40.3 + 11 31	Wolf ✓
53.1905 194208	Aquilae		19	42.7 + 8 20	Wolf ✓
54.1905 194209b	Aquilae		19	42.8 + 9 8	Wolf ✓

Provisional Designation of New Variable Stars.

A. N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
55.1905 194312	Aquilae		19 43.2	+12 54	Wolf
56.1905 194912	Aquilae		19 49.0	+12 32	Wolf
57.1905 194710	Aquilae		19 49.4	+10 2	Wolf
58.1905 031428	Arctis		3	+28	
59.1905 185036	Lyræ	BU	18 50.1	+36 23	Wolf
60.1905 164705	Ophiuchi	RX	16 47.9	+5 33	Anderson
61.1905 040433	Pisces		4 41	+33 59	Ceraski
62.1905 053337	Aurigæ		5 33.4	+37 35	Ceraski
63.1905 070122	Seminorum		7 13	+22 40	Tarr
64.1905 000451	Carionis		0 4.3	+51 0	Fleming
65.1905 001249	Carionis		0 12.2	+49 44	Fleming
66.1905 020257	Eridani		2 22	-57 37	Fleming
67.1905 123459	Ursæ Maj	RS	12 34.4	+59 2	Fleming
68.1905 1257056	Virginis		12 57.4	+5 43	Fleming
69.1905 1446466	Scorpi		14 46.8	-46 12	Fleming
70.1905 215122	Pegasi		21 51.7	+22 24	Fleming
71.1905 224625	Pisces		22 46.7	-25 49	Fleming
72.1905 194541	Argonne	XY	19 46.3	+41 23	Wolf
73.1905 131602	Virginis	RZ	13 16	+2	Griff
74.1905 182172	Draconis	RT	18 21.4	+72 40	Ceraski
75.1905 181859	Draconis	RU	18 18.1	+59 32	Ceraski
76.1905 193056	Cygni		19 30.4	+56 10	Ceraski
77.1905 181103	Ophiuchi	RY	18 11.6	+3 40	Anderson
78.1905 122001	Virginis	ZZ			Wolf
79.1905 044830	Cygni		4 48.6	+80 6	Ceraski
80.1905 184236	Lyræ	LV	18 42.0	+36 12	
81.1905 185129	Lyræ	LW	18 51.1	+29 44	

Provisional Designation of New Variable Stars.

A. N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
82.1905 185131	Lyræ	LX	18 51.1	+31 20	Wolf
83.1905 185134	Lyræ		18 51.5	+34 54	Wolf
84.1905 185132	Lyræ		18 51.7	+32 47	Wolf
85.1905 185233	Lyræ		18 52.0	+33 26	Wolf
86.1905 185331	Lyræ		18 53.0	+31 24	Wolf
87.1905 185330	Lyræ		18 53.5	+30 52	Wolf
88.1905 184831	Lyræ		18 48.7	+31 47	Wolf
89.1905 190134	Lyræ		19 1.6	+34 8	Wolf
90.1905 190129	Lyræ		19 1.8	+29 29	Wolf
91.1905 190231a	Lyræ		19 2.1	+31 5	Wolf
92.1905 190231b	Lyræ		19 2.6	+31 27	Wolf
93.1905 190333	Lyræ		19 3.3	+33 34	Wolf
94.1905 190334	Lyræ		19 3.9	+34 41	Wolf
95.1905 190430a	Lyræ		19 4.0	+30 36	Wolf
96.1905 190430b	Lyræ		19 4.7	+30 34	Wolf
97.1905 190431	Lyræ		19 4.8	+31 6	Wolf
98.1905 190524b	Lyræ		19 5.4	+29 23	Wolf
99.1905 190736	Lyræ		19 7.7	+36 1	Wolf
100.1905 190834	Lyræ		19 8.5	+34 12	Wolf
101.1905 190933b	Lyræ		19 9.9	+33 19	Wolf
102.1905 035727	Tauri		3 57.8	+27 51	Fleming
103.1905 184007	Ophiuchi	RJ	18 40.9	+7 6	Ceraski
104.1905 185604	Aquilæ	Nova	18 56.8	-4 35	Fleming
105.1905 033679	Camelopard	RS	3 36.9	+79 20	Ceraski
106.1905 132262	Ursæ Maj	RR	13 22.5	+62 55	Ceraski
107.1905 204938	Cygni	WG	20 49.3	+38 27	Williams
108.1905 205515	Capricorni		20 55.9	-15 37	Kötz

Provisional Designation of New Variable Stars

A.N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
109.1905 193408	Aquiline		19 34.7	+ 8 23	Wolf
110.1905 193512	Aquiline		19 35.6	+ 12 49	Wolf ✓
111.1905	Not visible in list by mistake				
112.1905 194012	Aquiline		19 40.9	+ 12 3	Wolf ✓
113.1905 194307	Aquiline		19 43.1	+ 7 20	Wolf ✓
114.1905 194812	Aquiline		19 48.1	+ 12 25	Wolf ✓
115.1905 194908	Aquiline		19 49.7	+ 8 39	Wolf ✓
116.1905 031919	Arietis		3 19.3	+ 19 30	Wolf ✓
117.1905 194216	Sagittae		19 42.5	+ 16 32.6	Wolf
118.1905 194219	Ursae		19 42.8	+ 19 14.4	Wolf
119.1905 194317	Sagittae		19 43.2	+ 17 37.6	Wolf
120.1905 194418	Sagittae		19 44.2	+ 18 33.5	Wolf
121.1905 194418	Sagittae		19 44.6	+ 18 39.2	Wolf
122.1905 194618	Sagittae		19 46.1	+ 18 25.1	Wolf
123.1905 194617	Sagittae		19 46.5	+ 17 23.8	Wolf
124.1905 194615	Aquiline		19 46.9	+ 15 29.3	Wolf
125.1905 194716	Sagittae		19 47.2	+ 16 9.7	Wolf
126.1905 194716	Sagittae		19 47.4	+ 16 42.3	Wolf
127.1905 194818	Sagittae		19 48.1	+ 18 51.1	Wolf
128.1905 194921	Ursae		19 49.0	+ 21 53.2	Wolf
129.1905 194917	Sagittae		19 49.0	+ 17 58.9	Wolf
130.1905 194917	Sagittae		19 49.1	+ 17 36.9	Wolf
131.1905 194918	Sagittae		19 49.4	+ 18 6.4	Wolf
132.1905 194917	Sagittae		19 49.8	+ 17 32.5	Wolf
133.1905 195019	Ursae		19 50.5	+ 19 48.7	Wolf
134.1905 195020	Ursae		19 50.5	+ 20 39.6	Wolf
135.1905 195019	Sagittae		19 50.6	+ 19 4.7	Wolf

Provisional Designation of New Variable Stars

A.N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
136.1905 195020	Ursae		19 50.6	+ 20 44.2	Wolf
137.1905 195018	Sagittae		19 50.8	+ 18 51.2	Wolf
138.1905 195019	Sagittae		19 50.9	+ 19 1.0	Wolf
139.1905 195121	Ursae		19 51.0	+ 21 10.7	Wolf
140.1905 195115	Aquiline		19 51.4	+ 15 35.5	Wolf
141.1905 195120	Ursae		19 51.8	+ 20 23.6	Wolf
142.1905 195217	Sagittae		19 52.1	+ 17 3.7	Wolf
143.1905 195219	Sagittae		19 52.4	+ 19 21.0	Wolf
144.1905 195218	Sagittae		19 52.5	+ 18 40.2	Wolf
145.1905 195219	Sagittae		19 52.7	+ 19 43.7	Wolf
146.1905 195315	Sagittae		19 53.0	+ 15 55.8	Wolf
147.1905 195317	Sagittae		19 53.0	+ 17 28.4	Wolf
148.1905 195317	Sagittae		19 53.4	+ 17 56.3	Wolf
149.1905 195322	Ursae		19 53.6	+ 22 24.6	Wolf
150.1905 195316	Sagittae		19 53.9	+ 16 31.9	Wolf
151.1905 195416	Sagittae		19 54.1	+ 16 25.1	Wolf
152.1905 195417	Sagittae		19 54.4	+ 17 56.8	Wolf
153.1905 195422	Ursae		19 54.6	+ 22 49.0	Wolf
154.1905 195715	Sagittae		19 57.8	+ 17 20.3	Wolf
155.1905 195716	Sagittae		19 57.9	+ 16 30.0	Wolf
156.1905 195818	Sagittae		19 58.6	+ 18 59.0	Wolf
157.1905 195816	Sagittae		19 58.8	+ 16 46.0	Wolf
158.1905 195716	Sagittae		19 59.1	+ 16 44.7	Wolf
159.1905 195921	Ursae		19 59.6	+ 21 25.5	Wolf
160.1905 195921	Ursae		19 59.6	+ 21 20.3	Wolf
161.1905 200019	Sagittae		20 0.6	+ 19 7.2	Wolf
162.1905 200020	Sagittae		20 0.9	+ 20 10.0	Wolf

1905

Provisional Designation of New Variable Stars

A.N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
163.1905 200121	Vulpeculae		20	4.7 + 21 33.0	Wolf-
164.1905 200119	Sagittae		20	1.9 + 19 42.2	Wolf
165.1905 200218	Sagittae		20	2.0 + 18 29.5	Wolf
166.1905 200217	Sagittae		20	2.7 + 17 55.0	Wolf-
167.1905 200222	Vulpeculae		20	2.9 + 22 31.5	Wolf-
168.1905 200617	Sagittae		20	6.1 + 17 47.2	Wolf-
169.1905 200619	Sagittae		20	6.4 + 19 7.1	Wolf-
170.1905 200720	Sagittae		20	7.3 + 20 19.3	Wolf-
171.1905 200821	Sagittae		20	8.2 + 21 3.8	Wolf-

Provisional Designation of New Variable Stars

1906.

Provisional Designation of New Variable Stars.

A.N.							
Designation	Constellation	Letter	Dim.	R.A.	Dec.	Discoverer	
1.1906	Lynx					Anderson	
2.1906 053302c	Orionis			5 33.4	- 2 49.5	Dearitt, C. King	
3.1906 052402a	Orionis			5 34.0	- 2 51.2	Dearitt	
4.1906 053402b	Orionis	BG		5 34.4	- 2 43.6	Dearitt	
5.1906 053402c	Orionis			5 34.6	- 2 54.1	Dearitt	
6.1906 053402d	Orionis			5 34.6	- 2 34.6	Dearitt	
7.1906 053402e	Orionis			5 34.7	- 2 46.2	Dearitt	
8.1906 135010	Virginis	TT		13 50.4	- 10 43.8	Dearitt	
9.1906 135112	Virginis	TU		13 51.5	- 12 4.3	Dearitt	
10.1906 135309	Virginis	TV		13 52.8	- 9 31.2	Dearitt	
11.1906 204031	Cygni			20 40.5	+ 31 58.0	Dearitt	
12.1906 204230	Cygni			20 42.4	+ 30 36.2	Dearitt	
13.1906 204231	Cygni			20 42.7	+ 31 23.9	Dearitt	
14.1906 204330	Cygni			20 43.1	+ 30 50.4	Dearitt	
15.1906 204331	Cygni	BD		20 43.5	+ 31 21.8	Dearitt	
16.1906 204432	Cygni			20 44.0	+ 32 42.5	Dearitt	
17.1906 204431	Cygni			20 44.9	+ 31 28.8	Dearitt	
18.1906 204733	Cygni			20 47.4	+ 33 26.9	Dearitt	
19.1906 204731	Cygni			20 47.6	+ 31 46.2	Dearitt	
20.1906 205030	Cygni			20 50.3	+ 30 14.0	Dearitt	
21.1906 205233	Cygni			20 52.1	+ 33 19.1	Dearitt	
22.1906 205232	Cygni			20 52.1	+ 32 23.2	Dearitt	
23.1906 205330	Cygni			20 53.0	+ 30 56.8	Dearitt	
24.1906 205332	Cygni			20 53.1	+ 32 49.6	Dearitt	
25.1906 205932	Cygni	BE		20 59.3	+ 32 40.0	Dearitt	
26.1906 204529	Cygni			20 45.1	+ 29 40.0	Dearitt	
27.1906 050130	Aurigae		792	5 1.3	+ 30 16	Ceraski	

1906081

Provisional Designation of New Variable Stars.

A.N.							
Designation	Constellation	Letter	Dim.	R.A.	Dec.	Discoverer	
28.1906 224758	Canis Major			23 47.1	+ 58 12	Ileraski	
29.1906 041342	Canis			4 13.3	+ 42 4	Enebo	
30.1906 055523	Geminorum			5 55.4	+ 23 8	Wolf	
31.1906 010884	Cephei	RU		1 51.1	+ 84 36	Ceraski	
32.1906 000773	Cephei			0 7.8	+ 73 18	Ceraski	
33.1906 045437	Aurigae		1138	4 54.5	+ 39 49	Williams	
34.1906 062564	Camelopardalis			6 25.5	+ 64 9	Ceraski	
35.1906 034432	Canis			3 44.8	+ 32 43	Ceraski	
36.1906 052403	Orionis			5 24.0	- 3 39	Wolf	
37.1906 053009	Orionis			5 30.2	- 9 33	Wolf	
38.1906 053805	Orionis			5 38.7	- 5 7	Wolf	
39.1906 054705	Orionis			5 47.2	- 5 27	Wolf	
40.1906 065326	Geminorum			6 53.3	+ 26 11	Enebo	
41.1906 024559	Horologii	X		2 45.1	- 59 28	Fleming	Cus. III
42.1906 102900	Sextantis			10 29.9	+ 0 11	Deland.	
43.1906 114707	Crateris			11 47.6	- 7 3	Fleming	
44.1906 154536	Coronae			15 45.2	+ 36 35	Fleming	
45.1906 175554	Draconis			17 55.6	+ 54 41	Fleming	
46.1906 191577a	Sagittae			19 15.0	+ 17 2	Fleming	
47.1906 191577b	Sagittae			19 15.4	+ 17 5	Fleming	
48.1906 200212	Aquilae			20 2.3	+ 12 39	Fleming	
49.1906 201434	Cygni			20 14.7	+ 34 3	Fleming	
50.1906 220133a	Pegasi			22 1.5	+ 33 1	Fleming	
51.1906 220133b	Pegasi			22 1.5	+ 33 1	Fleming	
52.1906 233335	Andromedae			23 33.8	+ 35 13	Fleming	
53.1906 235946	Andromedae			23 59.5	+ 43 0	Fleming	
54.1906 123366	Draconis			12 33.2	+ 66 9	Ceraski	

Provisional Designation of New Variable Stars

A.N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
012607a	Pisces		1 26.1 + 7	59	Purine
012607b	Pisces		1 26.4 + 7	46	Purine
55.1906 101761	Carinae		10 17. 18 - 61	14.5	Beaumont & C. 115
56.1906 101860	Carinae	aa	10 18 26 - 60	38.6	Beaumont
57.1906 102458	Carinae	yz	10 24 38 - 58	50.3	Beaumont
58.1906 103057	Carinae		10 30 49 - 57	30.2	Beaumont
59.1906 103160	Carinae		10 31 17 - 60	11.5	Beaumont
60.1906 103158	Carinae	AD	10 31 38 - 58	35.1	Beaumont
61.1906 103260	Carinae	UZ	10 32 38 - 60	29.5	Beaumont
62.1906 103261	Carinae		10 32 49 - 61	40.4	Beaumont
63.1906 103358	Carinae		10 33 44 - 58	29.3	Beaumont
64.1906 103560	Carinae		10 35 1 - 60	18.6	Beaumont
65.1906 104057a	Carinae	vg	10 40 36 - 57	2.6	Beaumont
66.1906 104057b	Carinae		10 40 58 - 57	46.3	Beaumont
67.1906 104460	Carinae		10 44 31 - 60	7.7	Beaumont
68.1906 104459	Carinae		10 44 54 - 59	31.9	Beaumont
69.1906 104758	Carinae	WW	10 47 37 - 58	51.3	Beaumont
70.1906 104859	Carinae		10 48 38 - 59	59.7	Beaumont
71.1906 104960	Carinae		10 49 2 - 60	8.1	Beaumont
72.1906 105159	Carinae		10 51 0 - 58	31.3	Beaumont
73.1906 105461	Carinae		10 54 11 - 61	22.9	Beaumont
74.1906 105458	Carinae		10 54 51 - 58	32.8	Beaumont
75.1906 105657	Carinae		10 56 20 - 57	50.7	Beaumont
76.1906 105658	Carinae	ae	10 56 44 - 58	15.5	Beaumont
77.1906 023949	Carisofine		2 39.9 + 69	13	Miller
78.1906 183930	Sag				Heming
79.1906 203893	Delphinus		20 38.9 + 13	35	Ceraski

Provisional Designation of New Variable Stars

A.N.

Designation	Constellation	Letter	R.A.	Dec.	Discoverer
80.1906 185405	Aquiline		18 54.4 - 5	22	Wolf
81.1906 185407	Aquiline		18 54.7 - 7	28	Wolf
82.1906 185609	Aquiline		18 56.7 - 9	13	Wolf
83.1906 185807	Aquiline		18 58.0 - 7	18	Wolf
84.1906 190208	Aquiline		19 2.2 - 8	23	Wolf
85.1906 190405	Aquiline		19 4.4 - 5	32	Wolf
86.1906 144339	Bootis		14 43.3 + 39	44	Ceraski
87.1906 163358	Dracoma		16 33.8 + 58	1	Ceraski
88.1906 224553	Boeotus		22 45.0 + 55	54	Sears & Haynes
89.1906 191327	Lynce		19 13 43.8 + 27	56.6	Wolf
90.1906 191425	Ursula		19 14 52.3 + 25	11.6	Wolf
91.1906 191527	Lynce		19 15 25.8 + 27	4.2	Wolf
92.1906 191528	Cygni		19 15 41.1 + 28	55.7	Wolf
93.1906 191629	Cygni		19 16 46.8 + 29	21.3	Wolf
94.1906 191624	Ursula		19 16 52.2 + 24	48.3	Wolf
95.1906 191626	Ursula		19 16 57.7 + 26	49.7	Wolf
96.1906 191829	Cygni		19 18 64 + 29	8.2	Wolf
97.1906 191829	Cygni		19 18 13.9 + 29	55.7	Wolf
98.1906 191824	Ursula		19 18 36.5 + 24	28.7	Wolf
99.1906 191826	Ursula		19 18 49.8 + 26	46.5	Wolf
100.1906 191928	Cygni		19 19 16.7 + 28	0.2	Wolf
101.1906 191926	Ursula		19 19 26.2 + 26	46.9	Wolf
102.1906 192030	Cygni		19 20 4.7 + 30	49.3	Wolf
103.1906 192028	Cygni		19 20 37.0 + 28	14.3	Wolf
104.1906 192126	Ursula		19 21 53.8 + 26	12.7	Wolf
105.1906 192426	Cygni		19 24 31.4 + 26	54.7	Wolf
106.1906 192526	Cygni		19 25 36.8 + 26	53.0	Wolf

Provisional Designation of New Variable Stars.

a.n.	Designation	Constellation	Letter	R.A.	Dec.	Discoverer.
107.1906	192525a	Vulpec.		19 25	44.7 + 25 24	Wolf ✓
108.1906	192525b	Vulpec.		19 25	49.9 + 25 10.9	Wolf ✓
109.1906	192629	Cygni		19 26	8.9 + 29 53.0	Wolf ✓
110.1906	192629c	Cygni		19 26	49.8 + 29 53.7	Wolf ✓
111.1906	192829	Cygni		19 28	32.6 + 29 21.3	Wolf ✓
112.1906	192927	Cygni		19 29	50.4 + 27 51.8	Wolf ✓
113.1906	192930	Cygni		19 29	54.5 + 30 42.0	Wolf ✓
114.1906	193129a	Cygni		19 31	4.9 + 29 54.1	Wolf ✓
115.1906	193129b	Cygni		19 31	54.8 + 29 55.7	Wolf ✓
116.1906	193227	Cygni		19 32	46.5 + 27 54.2	Wolf ✓
117.1906	193429	Cygni		19 34	4.6 + 28 22.9	Wolf ✓
118.1906	193429	Cygni		19 34	10.9 + 29 26.9	Wolf ✓
119.1906	193727	Cygni		19 39	58.1 + 27 31.7	Wolf ✓
120.1906	023847	Perse	Ry	2	39.0 + 47 43	Ceraski
121.1906	190158	Draconis				Ceraski
122.1906	072700	Boeti		1	27.0 + 0 19	Oppolzer
123.1906	034725	Tauri		3	47.2 + 25 14.9	Leavitt
124.1906	052603	Orionis		5	26.4 - 3 28.0	Leavitt
125.1906	053004	Orionis		5	30.44 - 4 49.8	Leavitt
126.1906	115763	Ursae		11	57.50 - 63 10.2	Leavitt
127.1906	120563	Ursae		12	5.57 - 63 52.7	Leavitt
128.1906	121261	Ursae	RV	12	12.18 - 61 12.3	Leavitt
129.1906	121860	Ursae		12	18.00 - 60 27	Leavitt
130.1906	123060	Ursae		12	26.24 - 60 57.2	Leavitt
131.1906	123964	Ursae		12	29.8 - 64 0.8	Leavitt
132.1906	123263	Ursae		12	32.46 - 63 48.1	Leavitt
133.1906	123460	Ursae	RW	12	34.17 - 60 52.2	Leavitt

Provisional Designation of New Variable Stars.

a.n.	Designation	Constellation	Letter	R.A.	Dec.	Discoverer.
134.1906	123564	Muscae		12 35	19 - 64 10.2	Leavitt
135.1906	124061	Ursae		12 40	19 - 61 7.2	Leavitt
136.1906	124361	Ursae	RX	12 43	36 - 61 13.5	Leavitt
137.1906	124564	Muscae		12 45	26 - 64 55.5	Leavitt
138.1906	124863	Ursae	RY	12 48	22 - 63 23.4	Leavitt
139.1906	125162	Ursae	RZ	12 51	15 - 62 56.5	Leavitt
140.1906	125262	Centauri		12 52	6 - 62 25.6	Leavitt
141.1906	125564	Centauri		12 55	37 - 64 5.4	Leavitt
142.1906	125664	Muscae		12 56	39 - 64 42.6	Leavitt
143.1906	125763	Centauri		12 57	13 - 63 7.5	Leavitt
144.1906	125764	Muscae	RU	12 57	23 - 64 15.1	Leavitt
145.1906	125860	Centauri		12 57	58 - 60 14.0	Leavitt
146.1906	125964a	Muscae		12 59	21 - 64 58.6	Leavitt
147.1906	125964b	Muscae		12 59	23 - 64 45.6	Leavitt
148.1906	130662	Centauri	WX	13 6	26 - 62 52.0	Leavitt
149.1906	130763	Centauri		13 7	9 - 63 37.1	Leavitt
150.1906	130962	Centauri	WY	13 9	47 - 62 30.7	Leavitt
151.1906	131362	Centauri	WZ	13 13	2 - 62 24.1	Leavitt
152.1906	131560	Centauri		13 15	39 - 60 47.1	Leavitt
153.1906	131564	Muscae		13 18	16 - 64 8.4	Leavitt
154.1906		Mordellionum				Leavitt
155.1906	024364	Scorpius				Müller & Kemff
156.1906	012350	Perse	RJ	1	23.6 + 50 20	Milne-Edwards
157.1906	092673	Carinae	UU	9	26.29 - 73 6.3	Leavitt
158.1906	101269	Carinae		10	12.30 - 57 42.9	Leavitt
159.1906	101669	Carinae		10	16.56 - 59 57.0	Leavitt
160.1906	102359	Carinae	UW	10	23.14 - 59 9.7	Leavitt

1906.

Provisional Designation of New Variable Stars.

A.N.

Designation	Constellation	Better	R.A.	Dec.	Discoverer.
161.1906 102557	Canine	UX	10 25 26	- 57 62	Beauregard
162.1906 102861	Canine	UY	10 28 30	- 61 16.1	Beauregard
163.1906 104055	Delphinus	SV	10 40 54	- 55 45.8	Beauregard
164.1906 105061	Canine		10 50 12	- 61 30.5	Beauregard
165.1906 105364	Canine	XX	10 53 22	- 64 35.9	Beauregard
166.1906 105863	Canine	XY	10 58 19	- 63 43.4	Beauregard
167.1906 110060	Canine	XZ	11 0 7	- 60 26.3	Beauregard
168.1906 110558	Canine		11 5 23	- 58 17.8	Beauregard
169.1906 110551	Centauri		11 5 29	- 51 56.9	Beauregard
170.1906 110647	Centauri		11 6 34	- 47 18.0	Beauregard
171.1906 112650	Centauri	VY	11 26 31	- 50 53.2	Beauregard
172.1906 113547	Centauri		11 34 57	- 47 24.5	Beauregard
173.1906 113657	Centauri		11 36 10	- 57 6.3	Beauregard
174.1906 113662	Centauri	UZ	11 36 14	- 62 8.4	Beauregard
175.1906 113966	Muscae	RT	11 39 49	- 66 45.0	Beauregard
176.1906 114161	Centauri	VV	11 41 42	- 61 20.2	Beauregard
177.1906 114360	Centauri		11 43 5	- 60 0.5	Beauregard
178.1906 114764	Muscae		11 47 24	- 64 50.8	Beauregard
179.1906 114953	Centauri		11 49 8	- 53 36.7	Beauregard
180.1906 120658	Crucis		12 6 42	- 58 13.6	Beauregard
181.1906 120749	Centauri		12 7 51	- 49 39.0	Beauregard
182.1906 121249	Centauri		12 12 30	- 49 10.8	Beauregard
183.1906 121548	Centauri		12 15 52	- 48 39.3	Beauregard
184.1906 123559	Crucis		12 35 41	- 59 14.7	Beauregard
185.1906 123753	Centauri		12 37 37	- 53 58.8	Beauregard
186.1906 124058	Crucis		12 40 32	- 58 34.6	Beauregard
187.1906 130359	Centauri	WW	13 3 10	- 59 42.9	Beauregard

1906.

Provisional Designation of New Variable Stars.

A.N.

Designation	Constellation	Better	R.A.	Dec.	Discoverer.
188.1906 132763	Centauri	VW	13 27 6	- 63 32.4	Beauregard
189.1906 133557	Centauri		13 33 45	- 57 6.4	Beauregard
190.1906 133561	Centauri		13 35 3	- 61 15.8	Beauregard
191.1906 134358	Centauri		13 43 50	- 58 0.3	Beauregard
192.1906 134459	Centauri	VX	13 44 21	- 59 54.7	Beauregard
193.1906 202046	Lygni	ZZ	20 20.7	+ 46 36	Williams
194.1906 233451	Carinae	ZZ	23 34.2	+ 51 43	Arthur

1907

Provisional Designations of New Variable Stars.

Designation	Constellation	Letter	Mag.	R.A. 1900	Dec. 1900	Max.	Min.
1.1907 235939	Andromedae	SV	..	23 59.2 + 39 33	9	<12.5	
12.1907 071069	Camelopardi	RU	417	7 10.9 + 69 52	8.5	9.8	
13.1907 165421	Herens	SW	..	16 54.2 + 21 42	12.7	14.5	
14.1907 190124	Vulpecula	Y	..	19 0.1 + 24 40	12.6	14.5	
5.1907 001828	Andromedae		54	0 18.4 + 28 51			
6.1907 011041	Andromedae		..	1 10.4 + 41 12	8.0	<13	
7.1907 042257	Camelopardi		806	4 22.4 + 57 11	7.8	9.5	
8.1907 091151	Ursae Majoris	RS	1378	9 11.5 + 51 50	11.1	11.9	
7.1907 104265	Ursae		1475	10 42.5 - 65 5	8.4	9.6	
10.1907 125266	Draconis		780	12 52.5 + 66 32	8.5	10.5	
11.1907 131360	Centauri		..	13 13.2 - 60 15	10.5	12.5	
12.1907 142200	Virgo		..	14 22.4 - 0 26	9.1	<10.5	
13.1907 142831	Centauri	RU	11294	14 28.1 - 31 15	9.0	14.0	
14.1907 142932	Boots		2489	14 29.2 + 32 11	8.9	10.0	
15.1907 145254	Lupus		..	14 52.3 - 54 33	8.5	12.5	
16.1907 154338	Cor. Bor.		2698	15 43.0 + 38 35	8.5	10.5	
17.1907 155229	Cor. Bor.		..	15 52.2 + 29 32	8.0	<11.0	
18.1907 191039	Cor. Aust.		..	19 10.5 - 39 47	9.8	12.4	
19.1907 195209	Aquila		..	19 52.3 - 9 37	9.6	<11.5	
20.1907 202415a	Delphini		4172	20 24.6 + 15 56	8.9	9.8	
21.1907 202415b	Delphini	RT	..	20 24.6 + 15 56	11.8	<12.8	
22.1907 224540	Laertae		4920	22 45.4 + 40 30	8.2	9.7	
23.1907 220550	Laertae	Y	3581	22 52.2 + 50 33	8.8	9.2	
24.1907 062908	Minicrotis	RW	1402	6 29.3 + 8 54			
25.1907 190024	Vulpec.	RY	..	19 0.4 + 24 37	12.0	14.3	
26.1907 182158	Draconis	RZ	..	18 21.8 + 58 50	7.5	10.2	
27.1907 051138	Unicue	RY	..	5 11.5 + 38 13	10.7	11.7	

Period	Epoch	Class	Sp. Designation
			Varashi
		IV:	Varashi
		IV	Baillaud
		IV	Baillaud
		IV	A Cannon. In supplementary Table
		II	Mid Fleming " " "
		II	Mid Fleming " " "
		..	Wells " " "
		N	Fleming " " "
		N	Fleming + M & K In Catalogue
		Mid:	Fleming In supplementary Table
			Fleming " " "
		Mid	Fleming
0.49981			Fleming In supplementary Table
		Mid	Fleming " " "
		Mid	Fleming " " "
		Mid	Fleming " " "
		Mid	Fleming " " "
		Mid	Fleming " " "
		Mc	Fleming " " "
			Fleming " " "
		Mc sd	Fleming " " "
		IV	Varashi
		V:	Varashi
			Fleming
		V	Varashi
		IV F:	Varashi

1907

Provisional Designation of New Variable Stars.

Designation	Constellation	Letter	S.M.	R.A. 1900	Dec. 1900	Max.	Min.
28.1907 090567	Ursae Majoris			9	5.6 + 6.7	40	10.0 11.7
29.1907 054231	Aurigae	Rg		5	42.9 + 31	39	9.5 14.5
30.1907 051623	Aurigae			5	16.5 + 33	23	12 < 14.5
31.1907 060547	Aurigae	SS		6	5.6 + 47	47	9.0 < 14.5
32.1907 060746	Aurigae	ST		6	7.4 + 46	50	12 < 14.5
33.1907 014950	Persei	SS	499	1	49.6 + 49	59.6	
34.1907 020057	Persei	VX	+57° 419	2	0.8 + 57	58.2	9.3 10.0
35.1907 0215566	Persei	SL	+58° 597	2	15.1 + 56	8.8	9.2 10.1
36.1907 021959	Canisop.		+58° 470	2	17.8 + 59	0.6	10.6 11.2
37.1907 023765	Canisop.		+58° 289	2	37.6 + 65	18.6	8.2 9.0
38.1907 024462	Canisop.		+62° 430	2	44.4 + 62	22.4	8.8 9.4
39.1907 034658	Camelop.	RW	+58° 660	3	46.2 + 58	21.6	9.0 10.0
40.1907 035658	Camelop.	RX	+58° 694	3	56.7 + 58	22.9	8.6 9.2
41.1907 042164	Camelop.		+64° 451	4	21.5 + 64	13.5	9.5 10.5
42.1907 112245	Ursae Majoris		+45° 1924	11	22.4 + 45	44.2	8.2 9.0
43.1907 113267	Draconis	SL	+68° 652	11	32.2 + 67	53.2	9.0 9.7
44.1907 113552	Ursae Majoris	RW	+52° 1579	11	35.4 + 52	33.9	9.5 12.5
45.1907 121270	Draconis		" "	12	12.8 + 70	40	8.8 9.7
46.1907 121664	Ursae Majoris		+64° 890	12	16.2 + 64	14.0	8.3 9.7
47.1907 122169	Draconis	SS	+69° 663	12	21.8 + 69	14.4	9.4 10.0
48.1907 210000	Aquarii	RV		21	0.7 - 0	37	
49.1907 0604333	Geminorum	RX	1415	6	43.6 + 33	21	8.8 9.6
50.1907 165202	Ophiuchi	SL	" "	16	52.6 - 2	37	
51.1907 012746	Andromedae	LY	" "	1	27.6 + 46	0.4	9.2 < 11.5
52.1907 172801	Ophiuchi	ST	" "	17	28.8 - 1	0.4	10.0 11.1
53.1907 173401	Ophiuchi	SL	" "	17	34.4 + 1	39.8	10.0 11.0
54.1907 175103	Ophiuchus	"	" "	17	51.4 + 3	24.1	9.7 < 12.0

Cur. 127

$$12 \text{ } 15.7 + 61.52$$

$$\text{Cent} = 1.1909$$

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1907

Provisional Designation of New Variable Stars.

Designation	Constellation	Letter	R.M.	P.A. 1900	Dec. 1900	Max.	Min.		
82.1907 <u>050964</u>	Doradus	..	..	5	9.6	-64	26.5	9.1	<11.5
83.1907 <u>054675</u>	Muscae	R	-75° 33.3	5	46.0	-75	17.3	9.5	10.6
84.1907 <u>060650</u>	Puppis	..	-50° 9.13	6	6.9	-50	11.2	9.0	<11.0
85.1907 <u>061254</u>	Pictoris	..	-59° 6.13	6	12.0	-59	53.2	9.2	11.0
86.1907 <u>062960</u>	Pictoris	..	..	6	29.0	-60	9.2	10.0	10.8
87.1907 <u>063455</u>	Carinae	AB	..	6	34.4	-55	46.7	9.5	10.5
88.1907 <u>063852</u>	Carinae	..	-52° 9.79	6	38.6	-52	20.2	8.8	9.5
89.1907 <u>070558</u>	Carinae	AC	-58° 8.48	7	5.1	-58	13.3	8.2	9.3
90.1907 <u>124868</u>	Muscae	..	-68° 17.93	12	48.8	-68	21.8	9.4	10.0
91.1907 <u>125763</u>	Centauri	..	-63° 25.07	12	57.6	-63	33.7	9.8	10.5
92.1907 <u>131062</u>	Centauri	..	-61° 35.58	13	10.8	-62	5.8	10.2	11.0
93.1907 <u>131261</u>	Centauri	..	-61° 35.85	13	12.5	-61	51.3	9.2	10.0
94.1907 <u>133664</u>	Orion	T	-64° 25.24	13	36.2	-64	58.2	10.0	11.0
95.1907 <u>134457</u>	Centauri	..	-56° 59.60	13	44.0	-57	5.2	7.8	8.6
96.1907 <u>135155</u>	Centauri	..	-55° 58.02	13	57.6	-55	51.9	9.8	10.5
97.1907 <u>135251</u>	Centauri	..	-57° 64.66	13	52.0	-57	18.5	9.9	10.6
98.1907 <u>140753</u>	Centauri	..	-53° 59.15	14	7.4	-53	27.7	9.6	10.5
99.1907 <u>142448</u>	Dupis	RT	-48° 65.04	14	24.1	-48	14.6	10.5	11.5
100.1907 <u>142760</u>	Centauri	..	-60° 57.32	14	27.3	-60	31.4	8.7	9.3
101.1907 <u>142950</u>	Dupis	..	-50° 70.71	14	29.8	-50	58.6	10.3	11.1
102.1907 <u>144059</u>	Orion	Nota	..	14	40.5	-49	35.0	9.5	10.0
103.1907 <u>144048</u>	Dupis	..	-48° 67.98	14	40.8	-48	54.0	9.8	10.5
104.1907 <u>144355</u>	Orion	..	-55° 62.04	14	43.8	-55	30.2	9.8	10.6
105.1907 <u>144868</u>	Triang. Austr.	..	-68° 22.26	14	45.0	-68	25.9	8.7	9.5
106.1907 <u>145571</u>	Apollis	V	-71° 17.17	14	55.0	-71	12.7	10.5	11.5
107.1907 <u>150554</u>	Normae	RR	-54° 63.79	15	5.1	-54	56.1	9.5	10.5
108.1907 <u>150970</u>	Apollis	..	-70° 20.05	15	9.6	-70	50.8	10.5	11.3

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1907

Provisional Designation of New Variable Stars.

Designation	Constellation	Letter	DM.	R.A. 1900	Dec. 1900	Max.	Min.	Period	Epoch	Class	Sp.	Discoverer
109.1907 <u>152157</u>	Circini	S	..	15 21.4	- 57 43.7	10.0	11.4					Leavitt
110.1907 <u>153365</u>	Triang. Austr.		-65°3122	15 33.5	- 65 36.1	9.7	10.5					Leavitt
111.1907 <u>155344</u>	Normae		-44°7719	15 53.2	- 44 50.5	8.6	9.3					Leavitt
112.1907 <u>155753</u>	Normae	RS	-53°7039	15 57.4	- 53 38.5	10.0	11.0					Leavitt
113.1907 <u>160561</u>	Triang. Austr.		..	16 53	- 61 50.2	9.8	<11.5					Leavitt
114.1907 <u>164360</u>	Arac		..	16 43.6	- 60 54.4	10.3	11.1					Leavitt
115.1907 <u>164461</u>	Arac		-61°5799	16 44.6	- 61 25.0	10.0	10.6					Leavitt
116.1907 <u>164565</u>	Triang. Austr.		-64°5573	16 45.1	- 65 2.3	9.5	11.5					Leavitt
117.1907 <u>164863</u>	Arac		-63°4037	16 48.4	- 63 2.9	9.2	10.0					Leavitt
118.1907 <u>165161</u>	Arac		-61°5820	16 51.6	- 61 15.7	9.2	10.0					Leavitt
119.1907 <u>190965</u>	Dracenis		+65°1327	19 9.7	+ 65 56.6	8.9	9.8					Leavitt
120.1907 <u>192668</u>	Dracenis	UZ	+68°1065	19 26.2	+ 68 43.7	9.3	10.0					Leavitt
121.1907 <u>205027</u>	Vulpecular		+27°3914	20 50.5	+ 27 32.3	9.0	10.2					Leavitt
122.1907 <u>213231</u>	Lygga		+31°4504	21 32.2	+ 31 39.1	7.3	8.3					Leavitt
123.1907 <u>214356</u>	Lyphii		+56°2642	21 43.4	+ 56 49.9	9.2	9.8					Leavitt
124.1907 <u>215927</u>	Pegasi		+27°4243	21 59.5	+ 27 51.6	7.2	7.8					Leavitt
125.1907 <u>220045</u>	Laurentar	SS	+45°3782	22 0.7	+ 45 56.2	8.4	9.2					Leavitt
126.1907 <u>220445</u>	Laurentar		+45°3813	22 4.6	+ 45 15.0	7	..					Leavitt
127.1907 <u>221453</u>	Laurentar		..	22 14.2	+ 53 57.7	9.5	10.2					Leavitt
128.1907 <u>221955</u>	Cephei	RW	+55°2737	22 19.4	+ 55 27.6	8.2	8.8					Backhouse
129.1907 <u>222317</u>	Pegasi	UX	+17°4753	22 23.7	+ 17 30.9	10.0	11.0					Leavitt
130.1907 <u>222924</u>	Pegasi		..	22 29.2	+ 24 2.5	9.5	<11.0					Leavitt
131.1907 <u>223564</u>	Lyphii		+64°1694	22 35.7	+ 64 19.3	8.6	9.3					Leavitt
132.1907 <u>223656</u>	Laurentar	f	+56°2829	22 36.9	+ 56 18.6	8.3	9.0					Leavitt
133.1907 <u>223755</u>	Laurentar	RA	+55°2789	22 37.4	+ 55 54.6	8.8	9.6					Leavitt
134.1907 <u>224029</u>	Pegasi	UY	+29°4745	22 40.0	+ 29 45.6	10.0	11.0					Leavitt
135.1907 <u>224426</u>	Pegasi		+26°4507	22 44.3	+ 26 47.8	8.8	9.6					Leavitt

1907.

Provisional Designation of New Variable Stars

Designation	Constellation	Letter	DM.	R.A. 1900	Dec. 1900	Max	Min.
136.1907 000843	Andromedae	Sy	28	0	8.0 + 43 9		
137.1907 113639	Ursae Majoris	Ru	..	11	36.4 + 39 2	9.0	<11
138.1907 134441	Cass. Div.	..	..	13	44.6 + 41 53	11.4	11.9
139.1907 132954	Ursae Majoris	AV	1607	13	29.4 + 54 31	9.2	9.9
140.1907 140238	Cass. Div.	..	2574	14	2.2 + 38 18	8.8	8.5
141.1907 225442	Androm.	Sy	..	22	54.9 + 42 18	9.6	<11.0
142.1907 000554	Cass.	SX	5407	0	5.5 + 54 20	8.7	9.4
143.1907 230845	Androm.	TT	..	23	8.7 + 45 36		
144.1907 000957	Cass.	Sy	+57° 42	0	9.8 + 57 52	9.2	10.0
145.1907 104752	Ullorum	..	..	10	45.6 - 52 54	10.0	10.9
146.1907 111555	Centauri	..	..	11	16.8 - 55 13	9.7	10.4
147.1907 020911	Arietis	..	+11° 305	2	9.6 + 11 46		
148.1907 062845	Aurigae	..	+45° 1324	6	28.2 + 45 43		
149.1907 064404	Minicoster	..	-4° 1708	6	48.3 - 4 27		
150.1907 071922	Ursae Major	..	-22° 1850	7	19.4 - 22 47		
151.1907 081615	Cass.	..	+15° 1808	8	16.8 + 15 19		
152.1907 104872	Corvinae	..	-72° 1048	10	48.7 - 72 14		
153.1907 113572	Muscae	..	..	11	35.0 - 72 0		
154.1907 120012	Virginis	Su	..	12	0.0 + 12 56		
155.1907 121774	Muscae	..	..	12	17.4 - 74 57		
156.1907 123216	Corvinae	..	-16° 3503	12	32.3 - 16 43		
157.1907 131563	Centauri	..	-63° 2720	13	15.5 - 63 42		
158.1907 153738	Corona Borealis	AA	+39° 2901	15	37.8 + 38 53		
159.1907 173557	Draconis	..	+57° 1786	17	35.4 + 57 43		
160.1907 202574	Draconis	..	+74° 861	20	26.9 + 74 56		
161.1907 202732	Ullorum	..	+32° 3850	20	27.6 + 32 14		
162.1907 220134	Pegasi	..	+34° 4897	22	1.4 + 34 52		

Period	Epoch	lab.	Sp.	Discoverer
		V		Corvinae
				Corvinae
				Corvinae
		IV		Corvinae
		IV:		Corvinae
				Corvinae
36d		V		Corvinae
2d				Corvinae
short.				Corvinae
				Fleming
				Fleming
		Rec		Fleming
		Mc		Fleming
		Na		Fleming
		Na		Fleming
		Mc5d		Fleming
		Mc5c		Fleming
		Na		Fleming
		Mc5d		Fleming
		Na		Fleming
		Mc5d		Fleming
		Mc5d		Fleming
		Na		Fleming
		Mc5d		Fleming

1907

Provisional Designation of New Variable Stars

Designation	Constellation	Letter	RM	RA 1900	Dec. 1900	Max.	Min.
163.1907 090007	Hydra		-7°27'15"	9	0.8 - 7 51	9.0	11.5
164.1907 091906	Hydra			9	19.9 - 6 21	10.0	<11.5
165.1907 093126	L Leo	γ	+26°19'81"	9	31.1 + 26 41	9.0	10.6
166.1907 094233	Leo Minor			9	42.6 + 33 45	9.5	11.5
167.1907 094627	Leo	γ	+27°18'18"	9	46.4 + 27 22	9.8	10.4
168.1907 094802	Eridanus	π	+20°22'64"	9	48.3 + 2 31	8.9	9.6
169.1907 100039	Leo Minor	χ		10	0.1 + 39 51	11.2	11.5
170.1907 100224	Leo		+24°21'83"	10	2.1 + 24 28	9.0	9.8
171.1907 100709	Hydra		-9°30'17"	10	7.4 - 9 49	9.1	9.8
172.1907 152636	Bootes	ST		15	26.8 + 36 8	10.3	11.2
173.1907 155436	Leo Borealis		+36°26'72"	15	54.8 + 36 17	9.6	10.6
174.1907 160325	Heracles		+25°30'31"	16	3.2 + 25 10	8.8	9.7
175.1907 163238	Heracles		+38°28'03"	16	32.5 + 38 10	8.4	9.7
176.1907 164917	Heracles		+17°31'17"	16	49.9 + 17 0	10.0	10.8
177.1907 165722	Heracles		+22°30'48"	16	57.2 + 22 36	10.0	<11.0
178.1907 033105	Taurus	SS	..	3	31.4 + 5 25		
179.1907 004746	Boerigae		..	0	47.0 + 46 56	10.5	11.2
180.1907 055646	Aurigae	SV	108.8	5	56.1 + 46 27	8.9	9.6
181.1907 043231	Aurigae	SW	..	4	32.0 + 31 9	11	<12.5
182.1907 163357	Draconis	ST	..	16	33.8 + 57 48		
183.1907 001060	Tucanae			0	10.3 - 60 47	9.4	10.2
184.1907 003050	Phoenix	U		0	30.3 - 50 45	9.5	<11
185.1907 004872	Tucanae			0	48.2 - 72 33	8.8	10.3
186.1907 005463	Tucanae	W		0	54.2 - 63 56	9.0	10.1
187.1907 045333	Boeti	S		4	53.2 - 33 18	9.7	10.5
188.1907 060630	Scolymus	R		6	6.4 - 30 43	10.4	<15
189.1907 061426	Canis majoris	U		6	14.8 - 26 8	9.8	<12

Period	EPOCH	Class	Sp.	Discoverer
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
		IV		Mittraff
		IV		Slagho
		IV		Dracka
				Marxhi
				Hartwig
		IV		Laumon
230	2414924	II		Laumon
		V		Laumon
		IV		Laumon
		IV		Laumon
300	2414980	II		Laumon
127	2414981	II		Laumon

1907.

Provisional Designation of New Variable Stars.

Designation	Constellation	Letter	S.M.	R.A. 1900	Dec. 1900	Max.	Min.
190.1907 062440	Columbae	W		6 24.6	- 40 2	9.3	<11.5
191.1907 062935	Columbae			6 29.7	- 35 14	9.8	10.4
192.1907 063942	Pygmaea	RV		6 39.4	- 42 17	9.1	<11.5
193.1907 063931	Canis majoris	V		6 39.7	- 31 41	10.0	<12
194.1907 065223	Canis majoris			6 52.6	- 23 50	8.9	10.1
195.1907 070025	Canis majoris			7 0.0	- 25 39	9.5	10.2
196.1907 212770	Indi	RS		21 27.7	- 70 47	9.0	10.0
197.1907 232746	Phoenicia	V		23 27.0	- 46 32	8.5	<12
198.1907 235152	Phoenicia			23 51.9	- 52 47	10.1	11.0
199.1907 024738	Fornax		233	2 47.2	- 38 29.5	9.3	10.0
200.1907 030310	Arietis		398	3 3.1	+ 10 3.6	8.8	9.5
201.1907 031901	Tauri		486 c.m. 1306	3 19.2	- 1 5.2	9.9	10.8
202.1907 032825	Fornax		c.s.s. 388	3 28.2	- 25 59.8	8.4	9.1
203.1907 032916	Canis			3 29.6	- 16 29.7	9.6	<11.0
204.1907 034946	Horologii			3 49.8	- 46 7.0	8.5	<11.0
205.1907 035015	Canis	RU	686	3 50.1	- 15 13.8	9.0	9.8
206.1907 035417	Canis	RY	766	3 54.4	- 17 31.1	10.0	10.9
207.1907 040107	Canis	RV	788	4 1.59	- 7 56.4	9.6	10.6
208.1907 041318	Canis			4 13.5	- 18 45.2	8.9	13.0
209.1907 041705	Canis	RW	892	4 17.6	- 5 44.5	8.8	9.8
210.1907 041903	Tauri		601	4 19.2	+ 3 53.5	8.5	9.5
211.1907 043227	Canis		581	4 22.5	- 27 46.9	9.7	10.5
212.1907 044515	Canis	RX	872	4 45.2	- 15 54.3	8.8	9.6
213.1907 045903	Orionis	UX	1029	4 59.5	- 3 56.0	9.5	<10.5
214.1907 050534	Columbae		595	5 5.2	- 34 38.7	8.8	9.7
215.1907 151528	Librae			15 15.6	- 28 19.2	10.9	11.5
216.1907 152726	Librae	SV		15 27.4	- 26 52.8	10.2	<11.5

Period	Epoch	Stars	Sp.	Discoverer
327	24 154.11	II		Launow.
		V		Launow.
180	24 131.53	II		Launow
230	24 147.53	II		Launow
		..		Launow
		..		Launow
		IV		Launow
257	24 148.60	II		Launow
		..		Launow.
				Launow. Cir. 135
				Cir. 135

as

1907

Provisional Designation of New Variable Stars.

Designation	Constellation	Letter	SM	RA. 1900	Dec 1900	Max	Min.
217. 1907 155746	Normae		7780	15 57.8	- 46 1.1	8.6	10.0
218. 1907 155834	Lupi			15 58.6	- 34. 6.2	10.0	< 11.5
219. 1907 160732	Scorpii			16 7.1	- 32 5.2	10.5	11.4
220. 1907 164132	Scorpii	AL	4244	16 41.7	- 32 46.0	10.3	< 11.5
221. 1907 164836	Scorpii		7072	16 48.0	- 36 43.4	8.7	10.0
222. 1907 165125	Ophiuchi	UU	5896	16 51.2	- 25 38.5	10.2	< 11.6
223. 1907 170432	Scorpii		4382	17 4.8	- 32 12.1	9.6	11.3

1908

Designation	Constellation	Letter	D.M.	R.A. 1900	Dec. 1900	Mag	Min.
55.1908	062061	Lyrae		6 20 24	+61 37.1	9.2	9.9
56.1908	062220	Seminorum		6 22	+20 37	9.6	10.5
57.1908	062367	Camelopardalis		6 23 40	+67 6.0	10.6	<11.6
58.1908	070473	Camelopardalis		7 4 9	+73 29.7	9.8	10.9
59.1908	080165	Ursae majoris		8 1 41	+65 31.6	9.2	10.1
60.1908	184414	Sexti		18 44 38	-14 16.2	15.4	<16.2
61.1908	184510	Sexti		18 45 2	-10 50.1	14.0	15.0
62.1908	184513	Sexti		18 45 56	-13 2.6	10.0	14.0
63.1908	184712a	Sexti		18 47 16	-12 37.9	13.4	15.0
64.1908	184712b	Sexti		18 47 35	-12 53.7	15.2	<16.0
65.1908	184814	Sexti		18 48 1	-14 19.1	12.0	15.4
66.1908	184812b	Sexti		18 48 15	-12 38.5	15.0	<16.0
67.1908	184812c	Sexti		18 48 16	-12 46.3	12.0	<16.0
68.1908	184911	Sexti		18 49 14	-11 5.8	13.6	15.5
69.1908	184912	Sexti		18 49 15	-12 18.8	14.4	15.4
70.1908	185110	Sexti		18 51 39	-10 46.2	13.7	14.6
71.1908	185212	Sexti		18 52 26	-12 35.4	14.7	<16.0
72.1908	185315	Sexti		18 53 20	-15 8.7	14.0	15.2
73.1908	185313	Sagittarii		18 53 36	-13 26.7	13.9	15.8
74.1908	185312	Sagittarii		18 53 57	-12 6.8	14.0	<15.8
75.1908	185411	Aquilar		18 54 52	-11 37.7	14.8	15.8
76.1908	185511	Aquilar		18 55 30	-11 3.5	13.5	14.5
77.1908	185512b	Sagittarii		18 55 38	-12 38.3	15.0	15.8
78.1908	185612	Sagittarii		18 56 30	-12 26.8	15.0	<16.0
79.1908	185712	Sagittarii		18 57 33	-12 16.0	14.4	<15.8
80.1908	185814	Sagittarii		18 58 16	-14 0.9	12.1	15.2
81.1908	185813	Sagittarii		18 58 35	-13 1.6	13.4	14.2

1908.

Period	Epoch	Class	Sp.	Discoverer.
				A. J. Leamon.
		V		A. J. Leamon
				A. J. Leamon
		V?		A. J. Leamon
				A. J. Leamon
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt
				Leavitt

3097

3123

1908

Designation	Constellation	Letter	D.M.	R.A. 1900	Dec 1900	Max	Min.
82.1908	<u>185912</u>	Sagittarii		18 59 56	- 12 50.8	12.0	< 15.8
83.1908	<u>190112a</u>	Sagittarii		19 0 58	- 12 25.7	15.2	< 16.0
84.1908	<u>190112b</u>	Sagittarii		19 1 4	- 12 29.7	15.2	< 15.9
85.1908	<u>190112c</u>	Sagittarii		19 1 14	- 12 3.9	15.0	15.8
86.1908	<u>190312</u>	Sagittarii		19 3 23	- 12 30.7	10.5	15.8
87.1908	<u>190612</u>	Sagittarii		19 6 51	- 12 37.6	15.2	16.0
88.1908	<u>190810</u>	Aquilae		19 7 58	- 10 35.2	14.5	< 15.5
89.1908	<u>184414</u>	Scuti		18 44 44	- 14 42.7	15.0	15.7
90.1908	<u>184512</u>	Scuti		18 45 45	- 12 30.5	15.2	< 15.9
91.1908	<u>184712</u>	Scuti		18 47 14	- 12 40.3	15.3	15.8
92.1908	<u>184711</u>	Scuti		18 47 41	- 11 57.3	15.5	15.9
93.1908	<u>184813</u>	Scuti		18 48 48	- 13 58.9	15.2	15.8
94.1908	<u>184912</u>	Scuti		18 49 47	- 12 54.7	14.3	15.0
95.1908	<u>185013</u>	Scuti		18 50 16	- 13 21.1	14.8	15.3
96.1908	<u>185110</u>	Scuti		18 51 2	- 10 41.5	^{13.7} 14.5	^{14.5} 14.7
97.1908	<u>185114</u>	Scuti		18 51 20	- 14 47.7	15.2	15.7
98.1908	<u>185213</u>	Scuti		18 52 7	- 13 2.8	14.2	15.5
99.1908	<u>185311</u>	Aquilae		18 53 58	- 11 43.3	15.2	16.0
100.1908	<u>185514</u>	Sagittarii		18 55 33	- 14 6.6	15.2	< 16.0
101.1908	<u>185514</u>	Sagittarii		18 55 55	- 14 30.0	15.2	15.8
103.1908	<u>185514</u>	Sagittarii		18 55 57	- 14 7.4	12.6	14.0
103.1908	<u>185613</u>	Sagittarii		18 56 18	- 13 4.7	14.0	15.5
104.1908	<u>185813</u>	Sagittarii		18 58 10	- 13 56.4	15.0	15.6
105.1908	<u>185914</u>	Sagittarii		18 59 4	- 14 6.5	15.0	15.5
106.1908	<u>185916</u>	Sagittarii		18 59 5	- 15 9.0	13.0	14.3
107.1908	<u>185912</u>	Sagittarii		18 59 21	- 12 8.1	14.8	< 15.8
108.1908	<u>190112</u>	Sagittarii		19 0 59	- 12 29.5	14.0	< 16.0

1908

Period	Epoch	Class	Sp.	Discover.	
				Leavitt	3124
				Leavitt	3125
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	3130
				Leavitt	Sup.
				Leavitt	"
				Leavitt	"
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	Sup.

1908

Designation	Constellation	Letter	Am.	R.A. 1900	Dec 1900	Max	Min
109. 1908 <u>190314</u>	Lagittaria			19 3 54	- 14 37.6	14.8	15.8
110. 1908 <u>190513</u>	Lagittaria			19 5 37	- 13 40.4	15.0	15.8
111. 1908 <u>150801</u>	Serpentis		-1° 30 36	15 8 50	- 1 31.1	9.4	10.2
112. 1908 <u>151102</u>	Serpentis			15 10 58	+ 2 32.5	10.1	10.9
113. 1908 <u>152602</u>	Serpentis			15 26 0	+ 2 0.8	9.3	10.1
114. 1908 <u>154315</u>	Librae			15 43 26	- 15 13.9	9.6	10.6
115. 1908 <u>161106</u>	Ophiuchi			16 11 6	- 6 43.8	9.2	10.0
116. 1908 <u>161206</u>	Ophiuchi			16 12 34	- 6 24.9	10.5	11.2
117. 1908 <u>161402</u>	Serpentis			16 14 5	- 2 15.4	8.9	14.5
118. 1908 <u>162411</u>	Ophiuchi			16 24 20	- 11 48.6	9.5	10.2
119. 1908 <u>163113</u>	Herculis			16 31 32	+ 13 30.6	9.8	10.6
120. 1908 <u>164012</u>	Herculis			16 40 55	+ 12 19.0	9.4	< 11.0
121. 1908 <u>164403</u>	Ophiuchi			16 44 38	+ 3 48.6	9.8	11.1
122. 1908 <u>165905</u>	Ophiuchi	TX		16 59 5	+ 5 7.7	10.2	11.2
123. 1908 <u>211000</u>	Aquarii			21 10 11	- 0 19.6	10.0	11.0
124. 1908 <u>211102</u>	Aquarii			21 11 11	- 2 38.7	11.0	< 12.0
125. 1908 <u>211411</u>	Aquarii			21 14 51	- 11 13.5	9.2	10.2
126. 1908 <u>211707</u>	Aquarii			21 17 46	- 7 30.4	11.0	< 12.5
127. 1908 <u>211800</u>	Aquarii			21 17 58	+ 0 24.4	11.0	< 12.5
128. 1908 <u>213102</u>	Aquarii	SX		21 31 6	+ 2 47.1	10.7	11.7
129. 1908 <u>214012</u>	Pegasi			21 40 15	+ 12 13.3	9.8	< 12.0
130. 1908 <u>214505</u>	Aquarii	SY		21 45 31	- 5 35.4	10.8	12.0
131. 1908 <u>221302</u>	Pegasi	UW		22 13 5	+ 2 14.2	9.8	10.6
132. 1908 <u>221313</u>	Pegasi			22 13 24	+ 13 5.2	10.0	11.2
133. 1908 <u>221414</u>	Aquarii			22 14 32	- 14 54.3	11.0	12.5
134. 1908 <u>221507</u>	Aquarii			22 15 47	- 7 28.5	9.2	9.9
135. 1908 <u>221715</u>	Aquarii			22 17 54	- 15 53.3	10.6	11.3

1908

Period	Epoch	Class	Sp.	Diagrams	Harvard No.
				Leavitt	Sup.
				Leavitt	"
				Leavitt	3131
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
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				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	
				Leavitt	

1908

Designation	Constellation	Letter	DM	R.A. 1900	Dec 1900	Mag	Min	Period	Epoch	Release	Sp.	Discoverer	Harvard
136.1908 224613	Aquarii			22	46 46 - 13	28.4	9.8	10.5				Leavitt	
137.1908 224909	Aquarii			22	49 42 - 9	54.5	10.5	12.5				Leavitt	3158
138.1908 161819	Heracles		3089	16	18 40.61 + 19	44	10.5					Forvald Köhl	
139.1908 183146				18	31 35 + 46	3	10	<11 1/2				Mme Leavacki	
140.1908 184316				18	43 41.78 - 16	50.74						Mme Leavacki	
141.1908 173154				17	31 49 + 54	0	10	12				Mme Leavacki	
142.1908 000454				0	4 55 + 54	19	26					Erubo	
143.1908 034134	Picci		715	3	41 18 + 34	1						Mrs. Fleming	
144.1908 030159	Horolog		250	3	10 - 59	19	7.0	9.3				Mrs. Fleming	3159
145.1908 065766	Volantii		633	6	57.8 - 66	59	9.1	14.1				Mrs. Fleming	
146.1908 102646	Vilonum			10	26.0 - 46	12	10.5	<12.0				Mrs. Fleming	
147.1908 104932	Vilonum		3999	10	49.4 - 52	40	10.7	15.3				Mrs. Fleming	
148.1908 111157	Carinae		4494	11	11.2 - 57	23	8.8	10.0				Mrs. Fleming	
149.1908 142942	Rupi		9465	14	29.5 - 42	56	8.2	9.6				Mrs. Fleming	
150.1908 157723	Librae		12248	15	17.2 - 23	42	8.6	11.7				Mrs. Fleming	
151.1908 153620	Librae			15	36.2 - 20	26	10.3	<11.3				Mrs. Fleming	
152.1908 162855	Arax			16	28.3 - 55	12	9.4	14.5				Mrs. Fleming	
153.1908 163059	Arax		6790	16	30.4 - 59	36	9.1	<12.8				Mrs. Fleming	
154.1908 164167	Thiang. a.			16	41.6 - 67	48	9.4	12.5				Mrs. Fleming	
155.1908 164656	Arax			16	46.0 - 56	6	9.3	12.5				Mrs. Fleming	
156.1908 164939	Scorpii		10898	16	49.6 - 39	28	9.0	<12.5				Mrs. Fleming	
157.1908 170764	Draconis		1176	17	7.8 + 64	28	8.8	10.0				Mrs. Fleming	
158.1908 171157	Draconis		1710	17	11.2 + 57	59	8.1	9.7				Mrs. Fleming	
159.1908 173341	Scorpii		11893	17	33.4 - 41	35	9.0	<11.2				Mrs. Fleming	
160.1908 173918	Lagittarii		4634	17	39.1 - 18	37	8.5	9.8				Mrs. Fleming	
161.1908 183813	Salti		5083	18	38.7 - 13	20	8.6	10.1				Mrs. Fleming	
162.1908 185110	Salti		4876	18	51.0 - 10	39	8.3	9.7				Mrs. Fleming	

1909

Designation	Constellation	Letter	DM	R.A. 1900	Dec. 1900	Max	Min	Period	Epoch	Class	Sp.	Discoverer	In supplementary table
1. 1909 121561	Ursae Major			12 15 40	+61 51 59							M + K	
2. 1909 002725	Andromeda			0 27 3	+25 27 9 1/2		12					L. Ceraski	
3. 1909 221973	Cepheus	+72° 31	22 19 33	+73 8.9	9 1/2		10 1/2					L. Ceraski	
4. 1909 231878	Cepheus	+78 830	23 18 34	+78 24.7	9.5		11.5					L. Ceraski	
5. 1909 163138	Arculus	+38 2798	16 31.1	+38 11	8.5		9.1					Spera	
6. 1909 135854	Urs. Major		13 58 29.9	+54 56.5	10		<17					M. Wolf	
7. 1909 060727	Perseus		6 7 44	+27 43	10		<12 1/2	Serial mov.				L. Ceraski	
8. 1909 022132	Trianguli		2 21 17	+32 17	10		11 1/2	8 1/2 mov.				L. Ceraski	
9. 1909 190721	Sagittarii		19 7.5	-21 45	8.2		<11.5					M. P. Fleming	
10. 1909 190817	Sagittarii		19 8.2	-17 36	9.2		<11.7					L. Ceraski	
11. 1909 191417	Sagittarii	-17° 55 88	19 14.8	-17 14								W. P. Fleming	Slight change. May be 1909
12. 1909 233232	Pegasi		23 32 0	+32 8	10		12					L. Ceraski	
13. 1909 190722	Boötes	+22° 36 17	19 7.2	+22 13								Arthur	
14. 1909 141867	Urs. Min	+67° 8 32	14 18.2	+67 22								Prachal	
15. 1909 224049	Laertae		22 40 21	+49 13	10		11					L. Ceraski	
16. 1909 225247	Laertae		22 52 0	+47 56	10		<12.5					L. Ceraski	
17. 1909 180258	Draconis		18 2 24.79	+58 19 42.3								M. Wolf	
18. 1909 070440	Antares		7 41 87	+40 56	10		11					L. Ceraski	
19. 1909 073234	Antares		7 32 43	+34 46	9		11 1/2					L. Ceraski	
20. 1909 030152	Antares		3 1 44	+52 48	11		12					L. Ceraski	
21. 1909 235832	Andr.	+32° 45 6	23 58 10.05	+32 17 20.8	9		10 1/2					Koff	
22. 1909 211821	Pegasi		21 17 58	+21 34 9 1/2			<10 1/2					L. Ceraski	
23. 1909 073869	Volantis	-69° 7 56	7 37 57.5	-69 18.9	10.0		10.9					Cannon	
24. 1909 083343	Velorum	-43° 44 74	8 33 34.7	-43 46.0	7.5		8.6					Cannon	
25. 1909 084047	Velorum	-46° 44 98	8 40 31.1	-47 2.6	8.8		9.8					Cannon	
26. 1909 084145	Velorum	-45° 44 90	8 41 31.9	-45 58.6	8.5		9.3					Cannon	
27. 1909 084150	Velorum	-50° 35 33	8 41 50.0	-50 11.9	9.7		10.5					Cannon	
28. 1909 090551	Velorum	-50° 38 70	9 5 32	-51 2.0	8.1		9.0					Cannon	

1909.

Designation	Constellation	Letter	DM	R.A. 1900	Dec 1900	Max.	min.
29.1909	091149	-Velorum	-49°4237	9	10 58.1 - 49	21.5 9.8	10.6
30.1909	091550	-Velorum	-50°4012	9	15 38.6 - 52	8.6 9.9	11.9
31.1909	091649	-Velorum	-48°4613	9	16 52.6 - 49	6.2 8.5	11.0
32.1909	092450	-Velorum	-50°4118	9	24 7.4 - 52	58.0 8.8	10.5
33.1909	092849	-Velorum	-49°4469	9	28 8.5 - 49	12.8 9.2	10.0
34.1909	094471	-Lacinae	-71°873	9	44 39.7 - 71	44.6 9.3	10.2
35.1909	094559	-Lacinae	"	9	45 18 - 59	4.2 10.0	<13.5
36.1909	100054	-Velorum	-54°3079	10	0 46.3 - 54	43.0 10.0	10.8
37.1909	100352	-Velorum	-52°3245	10	3 50.9 - 52	46.2 9.1	9.9
38.1909	101060	-Lacinae	"	10	10 11 - 60	23.3 10.0	<15.5
39.1909	101654	-Velorum	-54°3497	10	16 53.9 - 54	49.1 8.0	10.0
40.1909	101860	-Lacinae	-60°1856	10	17 58.0 - 60	34.1 9.1	9.7
41.1909	102357	-Lacinae	-57°3238	10	23 16.7 - 57	45.3 9.3	<12
42.1909	104257	-Lacinae	-56°3777	10	42 7.4 - 57	1.8 8.3	10.0
43.1909	180358	-Draconis	+58°1785	18	3 3.50 +58	23.87	
44.1909	182953	-Mus Maj.	"	8	29°26 +53	50 10	?
45.1909	235505	-Piscium	RR	"	23 55 55 +5	54.0 12.5	14.5
46.1909	224517	-Pegasi	"	"	22 45 26 +17	22 9.2	9.9
47.1909	173317	"	"	"	17 33.2 +19	6 9.1	<

Period. Epoch Class Sp. Discoverer.

Lacinae

Lacinae

Lacinae.

Lacinae

Lacinae.

Lacinae

Lacinae

Lacinae.

Lacinae.

Lacinae

Lacinae.

Lacinae

Lacinae

Lacinae

M. W. Whitney

L. Cerach

L. Cernapet

L. Cerach

Reinhardt

This pair. days ago, with
detected in the field 1822

2. M. 183, 205.

2. M. 224, 207. Pallas!

1910.

Designation	Constellation	Letter	DM	R.A. 1900	Dec. 1900	Mag.	Min.
1. 1910	22013455	Pegasus	+34°45'78"	22 ^h 12 ^m 57 ^s	+34°25'	..	..
2. 1910	220234	Pegasus	+34°46'00"	22 2 7.1	+34°51'	8.9	9.6
3. 1910	215735	Pegasus	+35°46'9"	21 59 47.9	+35°17'	..	..
4. 1910	220135	Pegasus	+35°47'04"	22 1 21.3	+35°25"	..	..
5. 1910	220817	Pegasus	..	22 8 16	+17 55"	10.4	11.2
6. 1910	034849	Ursa Major	+50°15'90"	8 48 20	+49 52.2	10.0	11.0
7. 1910	104055	Ursa Major	+53°14'09"	10 40 19	+55 34.3	8.2	9.7
8. 1910	181146	Silkeopium	-41°12'27"	18 11 22	-46 35.3	9.5	<12.0
9. 1910	185639	Corona Australis	-39°13'05.2"	18 56 20	-39 42.6	10.0	<13.0
10. 1910	191340	Sagittarius	R	19 13 10	-40 23.1	10.0	<13.0
11. 1910	191739	Sagittarius	..	19 17 50	-39 26.8	10.0	<13.0
12. 1910	191935	Sagittarius	..	19 19 37	-35 32.8	9.5	12.2
13. 1910	192201	Aquila	+1°40'03"	19 22 33	+1 50.7	9.8	<13.5
14. 1910	192238	Sagittarius	-38°13'50.4"	19 22 43	-38 17.5	10.0	<13.0
15. 1910	193245	Silkeopium	..	19 32 22	-45 48.3	9.2	<13.5
16. 1910	193742	Sagittarius	..	19 37 16	-42 54	9.0	13.2
17. 1910	194613	Aquila	..	19 46 24	+13 42.6	10.6	12.7
18. 1910	200103	Aquila	..	20 1 38	+3 34.4	9.0	10.8
19. 1910	200706	Aquila	..	20 7 58	+6 0.1	10.0	13.9
20. 1910	200913	Capricornus	..	20 9 21	-13 15.1	9.6	<11.0
21. 1910	201217	Capricornus	-18°56'41"	20 12 14	-17 59.3	8.8	10.6
22. 1910	205148	Indus	-48°13'27.9"	20 51 12	-48 27.4	9.4	10.2
23. 1910	210445	Indus	-45°14'23.7"	21 4 51	-45 29.0	7.9	9.5
24. 1910	214750	Indus	-50°13'51.7"	21 47 52	-50 24.9	10.3	11.6
25. 1910	222656	Cepheus	+56 27.93	22 26 22	+56 28.9	9.2	10.8
26. 1910	184404	Scutum	-10°48'21"	18 44 20	-10 30	9.1	9.7
27. 1910	183504	Scutum	-40°45'48"	18 35 28	-44 10.97	..	..

Period	Epoch	Class	Sp.	Discoverer	
6d ₊		IV	57	Jennell	1886
		8		Jennell	
		8		Serra	
				Serra	
				L. Cuschi	
				Leland	Circ 152
		II?	56, 6	"	
		II?	56, 6	"	
		II?	56, 6	"	
		II?	56, 6	"	
		II	56, 6	"	
		II	" 6	"	
		II?	56, 6	"	
		II	"	"	
		II	"	"	
		IV		"	
		IV		"	
		II	56, 6	"	
		..		"	
		V		"	
		..		"	
		..		"	
		..		"	
		..		"	
		IV		Leland	
		IV?		Schirker	
		IV?		Schirker	

1911

Designation	Constellation	Letter	DM.	R.A. 1900	Dec 1900	mag	min.
1.1911 171560	-Draconis		+60°1743	17 15 17	+60 46.6		
2.1911 081935	-Lyrae		+35°1921	8 19 4.9	+35 44.2	9 1/2	<12
3.1911 083123	-Cancri	RU	+24°1959	8 31 37.8	+23 54.7	9 1/2	11
4.1911 080523	-Cancri		..	8 5 8	+23 27	10	<12
5.1911 220843	-Lacertae			22 8 18	+43 21	11.5	<12.5
6.1911 ⁰¹⁴⁷ 1147 23	-Trianguli	U		4 49 43	+33 17	11	12
7.1911 005437	-Pisicini			0 54 18	+27 24	10 1/2	<12
8.1911 010621	-Pisicini			1 6 49	+21 41	9 1/2	<12
9.1911 222952	-Lacertae		+51°3414	22 29.7	+52 8.0		
10.1911 03 ¹⁰ 40	-Lyrae			8 9 57	+40 26	10.5	<12.5
11.1911 031332	-Persei			3 13 44	+32 47	10	<12.5
12.1911 023735	-Persei			2 37 40	+35 50		
13.1911 024136	-Persei			2 41 47	+36 33	9.2	9.9
14.1911 ²³²¹⁵² 181325	Persei Lacertae RZ			22 31 37.6	+52 13 33.4		
15.1911 115509	-Virginis			11 55 ^{17.01} 55.74	-9 44 37.5	9.5	-12.8
16.1911 015033	-Trianguli			1 50 57	+33 31	10.5	<12.5
17.1911 002050	-Canis Minor		+50°72	0 20 56.3	+50 43.6	7.2	8.6
18.1911 061033	-Auriga	VW	+33°1240	6 10 40.2	+33 14.6	9.6	10.3
19.1911 072017	-Sagittarius	TX	..	7 30 16.2	+17 7.8	9.6	10.4
20.1911 165926	-Ophiuchi		-26°11380	16 59 53.7	-26 26.8	7.2	8.0
21.1911 175217	-Sagittarii		-17°4978	17 52 ³⁴ 52.4	-17 23.6	9.0	10.6
22.1911 180027	-Sagittarii			18 0 27.3	-27 26.5	10.4	<16
23.1911 031331	-Persei	UZ		3 13 55.7	+31 39 29.6	8.5	9.5
24.1911 054906	-Orionis	UV	-6°1346	5 49 5.4	-6 26.0	10.0	11.5
25.1911 040226	-Tauri	TX		4 2 4	+26 19	10 1/2	11 1/2
26.1911 040226	-Tauri	TV		4 2 38	+26 34	10 1/2	11 1/2
27.1911 214050	-Scorpii		+50°3422 ^{5.15} -34°7363	21 40 36.16	+50 44 37.5	9.5	11.5
28.1911 174834	-Scorpii			17 48 36.87	-34 12 56.2	7.5	8.2

1911

Period	Epoch	Class	Sp.	Discoverer
..	Aethury
+305 d	L. Leraaski
Probably Algol	..	V?	..	L. Leraaski
..	L. Leraaski
..	Enebo
..	..	IV?	..	L. Leraaski
..	..	IV?	..	L. Leraaski
Long	L. Leraaski
..	M. Luizet
318	..	IV	..	L. Leraaski
338	..	IV	..	L. Leraaski
..	L. Leraaski
..	L. Leraaski
..	Shapley
..	C. Munniger
..	L. Leraaski
..	..	IV	..	Common
..	..	III?	..	Common
..	..	V	..	Common
..	..	IV	..	Common
..	..	V	..	Common
..	..	I	..	Common
..	L. Leraaski
..	L. Leraaski
..	L. Leraaski
..	L. Leraaski
..	Schinshe
..	Yendell

1911

1911

Designation	Constellation	Letter	DM	R.A. 1900	Dec 1900	Max.	Min.
29.1911 154018	Librae	.	15	40.9	-18 28.5	..	...
30.1911 000519	- Icti		-19° 7	0 5 52.0	-19 7.7	8.9	9.5
31.1911 232412	Pegasi		+12° 49.7	23 24 53.5	+12 59.6	9.4	< 10.6
32.1911 232907	Orionis		+7° 50.6	23 29 20.3	+7 22.3	9.0	12.0
33.1911 133223	- Com. Ber.		+23° 25.8	13 13.5	+23 9.2		
34.1911 144523	Bootis		+23 27.4	14 45 14	+23 26.8	7.1	7.4
35.1911 013750	Persei		+49° 44.4	1 37 23	+50 11.1		
36.1911 142120	Librae		..	14 21.8	-20 50.6	12.0	14.0
37.1911 145314	Librae		..	14 53.2	-14 52.3	11	15.5
38.1911 010463	Canis major		+63° 14.9	1 4 57	+63 40.3		
39.1911 183023	Comae		+23° 25.8	13 30 40	+23 19.0		
40.1911 185020	Herculis		+20° 29.5	18 50 14	+20 29.3		
41.1911 130339	Canum venet.		+39° 26.7	13 3 38	+39 16.6		
42.1911 132523	Hydrae		-22° 36.4	13 25 0.7	-23 7 57.2		
43.1911 024217	Arctis		+16° 35.4	2 42.9	+17 2.4		
44.1911 210643	Pegasi		+42° 39.1	21 6.5	+43 6.1		
45.1911 001358	Canis major		+58° 30	0 13 54.9	+58 35 1.6		
46.1911 034223	Tauri		+28° 55.5	3 42.5	+1.1 +28 13.2	10.76	11.54
47.1911 153329	Leo Bor.	RT	+29° 26.9	15 33 56.3	+29 47.7	9.2	9.7
48.1911 212216	Pegasi		-	21 22 5	+16 9	10.2	< 12.2
49.1911 153126	Leo Bor.	RU	+26° 27.4	15 31 21.4	+26 5 7.1	9.1	9.8
50.1911 124444	Canis venet.	Z		12 44 58	+44 19	9.7	< 10.5
51.1911 235934	Andromedae	VW	+33° 48.6	23 59.4	+34 6		
52.1911 011556	Phoenicis		-56° 27.7	1 15.9	-56 2.6	8.5	16.0
53.1911 023237	Andromedae		+35° 52.5	2 32.1	+35 4.4	11.0	< 14.0
54.1911 023530	Arctis		+36° 42.8	2 35.0	+30 4.7	10.0	11.5
55.1911 023534	Trianguli	W	+33° 49.0	2 35.4	+34 5	8.5	9.1
56.1911 034025	Tornaei		..	3 40.3	-25 32	9.8	< 13.0

Period	Epoch	Class	Sp	Discoverer
..	Lowell
..	mb	Laanman
..	..	V?	B9 or A	Laanman
..	..	V	A	Laanman
37?	..	IV?	mb	P. Guthnick
..	..	IV	..	P. Guthnick
..	..	IV?	B9 or A	P. Guthnick
..	..	IV	..	Jones
..	H. C. Wood
..	..	IV	..	P. Guthnick
..	..	IV	..	P. Guthnick
..	..	IV	..	P. Guthnick
..	..	IV	..	A. Bemporad
..	Abetti
..	Abetti
..	Arthur
..	Likheff
..	L. Keraski
..	L. Keraski
..	L. Keraski
..	L. Keraski
..	L. Bröcke
..	md Fleming
..	N. Cantor
..	mes Leland
..	mes Fleming
..	- Mackie

1911

Designation	Constellation	Letter	RM.	R.A. 1900	Dec. 1900	Max.	Min.	
57. 1911	044336	-Caeli	-36° 1884	4	43.8 - 36	23	8.7	10.3
58. 1911	051532	-Aurigae	+32° 957	5	16.3 + 32	25	9.2	10.6
59. 1911	054046	-Pictoris	-46° 1969	5	40.4 - 46	30	11.0	< 15.0
60. 1911	065041	-Aurigae	+41° 1856	6	50.3 + 41	14	9.6	12.6
61. 1911	070207	-Monoceros	-7° 1742	7	2.1 - 7	24	12.8	14.0
62. 1911	094641	-Velorum	-41° 5381	9	46.0 - 41	34	9.2	10.5
63. 1911	111819	-Crateris	T -19° 3254	11	18.9 - 19	22	9.2	10.2
64. 1911	131044	-Centauri	-44° 8539	13	10.7 - 44	10	9.0	9.6
65. 1911	181021	-Sagittarii	-	18	10.7 - 21	36	11.8	< 15.0
66. 1911	182216	-Sagittarii	-	18	22.3 - 16	50	10.9	< 15.0
67. 1911	182604	-Ophiuchi	Ty +4° 3779	18	26.4 + 4	19	14.0	15.0
68. 1911	183242	-Coronae Austr.	-42° 13488	18	32.9 - 42	41	12.2	15.5
69. 1911	185200	-Aquilae	+0° 4064	18	52.5 + 0	19	9.6	11.0
70. 1911	185414	-Aquilae	+14° 3729	18	54.0 + 14	14	9.6	11.6
71. 1911	191117	-Sagittarii	-	19	11.9 - 17	39	10.0	14.0
72. 1911	191632	-Sagittarii	-32° 15116	19	16.3 - 32	19	10.3	14.0
73. 1911	192118	-Sagittarii	-	19	21.2 - 18	43	9.4	15.0
74. 1911	200020	-Sagittae	+20° 4417	20	0.7 + 20	22	10.0	12.0
75. 1911	201737	-Cygni	BC +37° 3903	20	17.9 + 37	13	11.5	12.5
76. 1911	203246	-Indi	-47° 13487	20	32.2 - 46	57	10.3	11.1
77. 1911	205833	-Microscopii	-	20	58.4 - 33	40	9.3	< 15.0
78. 1911	210415	-Pegasi	-	21	4.3 + 15	38	10.1	< 14.0
79. 1911	212545	-Kruis	-45° 14361	21	25.3 - 45	29	9.8	14.0
80. 1911	224930	-Piscis Austr.	-36° 19355	22	49.8 - 30	9	8.4	9.7
81. 1911	225745	-Andromedae	Uy +45° 4121	22	57.2 + 45	21	11.5	12.3
82. 1911	234860	-Camelopardis	TZ +60° 2634	23	48.0 + 60	27	11.0	11.7
83. 1911	172319	-Ophiuchi	-19° 4644	17	23.8 - 19	23		
84. 1911	195443	-Cygni	+43° 3425	19	54.0 + 43	49		

1911

Period	Epoch	Class	Sp.	Discoverer
			N	Fleming
			md	Fleming
			N	Wells
			N	Fleming
			IV	Wells
			Mc.5	Fleming
			Mc.5	Fleming
			Per	Fleming
			-	Breakitt
			md	Fleming
			N	Wells
			-	Machii
			IV	Wells
			IV	Wells
			-	Machii
			-	Machii
			md	Fleming
			N	Wells
			IV	Wells
			md	Fleming
			md	Fleming
			md	Leammoh
			-	Machii
			Mc.5	Fleming
			IV	Wells
			Mc.5	Wells
				Backhouse-Wells.

1911

Designation	Constellation	Letter	Dm	R.A. 1900	Dec 1900	Mag	Min	Period	Epoch	Class	Sp.	Discoverer
85.1911	200641 - Cygni		+48° 2632	20 6.3	+ 41 12							
86.1911	182039 - Lyrae	TW		18 20.6	+ 39 32	11	< 15					D. Estere
87.1911	220355 - Persei	UV		22 2 ^{3.3} 16.2	+ 56 ⁴³ 42.4							D. Estere
88.1911	200751 - Cygni		+55° 2999	20 7.1	+ 51 1.9							Cerrilli

1911

1912

Designation	Constellation	Letter	Dist.	R.A. 1900	Dec. 1900	Mag.	Min.
29. 1912	194915 - Sagittae	Z		19 49 29 + 18	31 37	11.5	13.0
30. 1912	102546 - W. Maj.			10 25 29.34 + 46	3 23.1	8.4	9.0
31. 1912	- Draconis		1911	12 42 23.40 + 55	16 49.8	9.7	10.2
32. 1912	233334 - Androm.	VV		23 33.7 + 34	59	9.7	10.2
33. 1912	212610 - Pegasi	UU		21 26.2 + 10	48.1	9.6	< 13
34. 1912	042113 - Tauri	TW	+12° 59'	4 21.7 + 13	0		
35. 1912	174734 - Scorpii			17 47.4 - 34	29.7		
36. 1912	015557 - Persei	TY		<u>1</u> 55.7 + 57	26.5	11.0	< 14.0
37. 1912	052401L		-4° 11' 44"	<u>5</u> 24.0 47 - 4 47		10.2	10.7

1912

Period	Epoch	Class	Sp.	Discoverer
				Silbermangel
				Suspected by Espin
				Antoniazzi & Silva
				Prächa
				Balanowsky
				Shapley
				Jendell
				G. Estère
Algol or short Period		Algol or short Period		L. Prächa

1913

Designation	Constellation	Letter	Dim.	R.A. 1900	Dec. 1900	Mag.	Min.
1. 1913	064532 - Gen.		+32° 1437	6	48 25.21 + 32 36 27.9	8.0	8.6
2. 1913	003162 - Cassiopeia	TY	..	0	31.5 + 62 35.8		
3. 1913	044530 - Aurigae	UY	..	4	45 22 + 30 37	9.7	11.3
4. 1913	042915 - Tauri	TY	..	4	29 1.9 + 15 3.3	11.0	11.6
5. 1913	030226 - Arietis	Z	..	3	2 15.8 + 26 36.3	11	<14.0
6. 1913	020657 - Persei	UX	..	2	6.1 + 57 37.6	9.8	11.2
7. 1913	022758 - Persei	UY	..	2	27.0 + 58 26.5	9.8	11.5
8. 1913	031949 - Persei	VV	..	3	19.7 + 49 23.2	10.6	<12.3
9. 1913	221062 - Cygnus	SY	..	22	10.3 + 62 1.7	10.4	11.6
10. 1913	231560 - Cassiopeia	UU	+60° 2629	23	45.7 + 60 21.9		
11. 1913	032244 - Persei	VW	..	3	22.4 + 44 3.1		
12. 1913	163486 - Urs. Min.		+86° 244	16	34.8 + 86 2.6		
13. 1913	165986 - Urs. Min.		+86° 252	16	59.0 + 86 3.7		
14. 1913	125323 - Comae Beren.	T		12	53 42 + 23 4.0	10.2	<13
15. 1913	065934			6	59 36 + 34 37.8	5.31	6.00
16. 1913	- Librae	SU		15	16 44.58 - 15 39 56.5	14.2	16.2
17. 1913	121379 - Draconis		+70° 5230	12	13 10.53 + 76 9 35.3	10.81	11.19
18. 1913	181340 - Lyrae	TX		18	13.2 + 40 39.2	10.2	<13.0
19. 1913	052801 - Cygnus	VV	+109° 43	5	28 27 - 1 13.6		
20. 1913	022865 - Cass.		+18° 176	2	28 52 + 68 37.2	5.2	5.7
21. 1913	063829 - Gen.		+29° 1327	6	38 25 + 29 4.3		
22. 1913	190527 - Lyrae	TY		19	5.9 + 27 53.8	9.4	<13.0
23. 1913	163486 - Urs. Min.			16	34.50 + 86 2.6	8.40	9.30
24. 1913	040266 - Tauri			4	2.3 + 26 3.7		
25. 1913	123460		+60° 1412	12	34 18.29 + 60 3 44.7		
26. 1913	225658 - Cass.	UV		22	56.3 + 58 5.2		
27. 1913	072141 - Aurigae	VX		7	21.6 + 41 1.0	9.5	12.5
28. 1913	223842 - Lacertae	ST		22	38.9 + 42 5.9	10.7	<13.4
29. 1913	201376 - Cygnus	SZ	+76° 784	20	13.0 + 76 5.2		

1913

Period	Epoch	Class	Sp.	Discoverer
Probably inv.				Leonard
				D'Estere
				L. Bianchi
		Binary type		Barrett
				"
d				D'Estere
4.6				"
5.5				"
450				"
360				"
11.314				M. Lutz
				D'Estere
d				J. H. Arthur
				J. H. Arthur
				L. Bianchi
				P. Lowell
				P. Lowell
				C. Martin & H. C. Plummer
				C. Martin & H. C. Plummer
				D'Estere
3.0351				Lacchini
				Lacchini
320				D'Estere
				M. Davidson Same star as 12. 1913
				Jurrier
				Köhl
				D'Estere
				R. Furuhjelm
				R. Furuhjelm
				H. Braun

1914

Designation	Constellation	Letter	Dim.	R.A. 1900	Dec. 1900	Max.	Min.		
1. 1914	208835 - Iyggui		+34° 41' 27"	20	38.4 + 35	6.85	7.10		
2. 1914	193456 - Iyggui			19	34 20.9 + 56	32.1	9.0	9.5	
3. 1914	101929 - Icarus min	V		10	19 45 + 29	19	9 1/2	10 1/2	
4. 1914	210338 - Iyggui		(1900)	21	3.3 45 + 38	13.2			
5. 1914	134434 - Can venat.	RT		13	44 15 + 34	11	11	<12.5	
6. 1914	135532 - Can venat.	RU		13	55.5 + 32	7	9 1/2	11	
7. 1914	003057 - Cass	UW		0	30.5 + 57	22.9			
8. 1914	225132 - Pegasus	VW		22	51 40 + 32	41.7	9		
9. 1914	135528 - Bootis		+28° 22' 8"	13	55 60.8 + 28	16	23.3	10.4	11.7
10. 1914	130536 - Can venat.	RS	+36° 23' 44"	13	5 58.88 + 36	27	58.7		
11. 1914	135829 - Bootis	RZ		13	53 42 + 29	12	10	12	
12. 1914	000862 - Icaris fusca	UX	+62° 25'	0	8 3 + + 62	58.7			
13. 1914	173234 - Hercules		(1900)	17	32 22 + 34	14	11.0	11.7	
14. 1914	224617 - Pegasus		+17° 48' 19"	22	44 44.9 + 17	21.3	8.5	9.4	
15. 1914	112947 - Ura. Maj		+41° 22' 06"	11	29.4 + 41	11	9.0	9.5	
16. 1914	103926 - Leon min.	W		10	39 9.9 + 26	33	40.5	11	12 1/2
17. 1914	091329 - Cassio	RW		9	13 9.68 + 29	29	13.1	9.5	11
18. 1914	172518 - Hercules	UZ		17	25 53 + 18	0	9.3	12.5	
19. 1914	160826 - Hercules	VV		16	8 17.89 + 26	9	19.0	10	12.5
20. 1914	080825 - Cassio	RX	+25° 18' 50"	8	8 44.30 + 25	2	16.8	8.8	9.9
21. 1914	060246 - Auriga	VY		6	2 24 + 46	35.4	10.4	<12.5	
22. 1914	102812 - Leonis			10	23 32.6 + 12	1.1			
23. 1914	101810 - Leonis	RV		10	18 35.5 + 10	15.3	12	13	
24. 1914	103409 - Leonis	RW		10	34 24.4 + 9	31.2	12	13	
25. 1914	180239 - Hercules	VW		18	2.6 + 39	8.7	11.5	<16.0	
26. 1914	181141 - Lycae	TZ	+41° 30' 21"	18	11 11.3 + 41	4.7	10.35	11.05	
27. 1914	035716 - Tauri	JZ		3	57.1 + 16	23.9			
28. 1914	101407 - Leonis		+7° 22' 7"	10	14.3 + 7	4.3			

1914

Period	Epoch	Class	Sp.	Discoverer
49.493	2413349.76	V		H. H. Krutzinger
Long				Martin
Short or Ineq.				L. Icarus
				Kosturshy
				L. Icarus
Short or Ineq				L. Icarus
291 ^d				C.R. d'Estene
				A. J. Williams
				L. Icarus
				L. Icarus
				L. Icarus
				C.R. d'Estene
				L. Icarus
60 ^d	2420055			S. Enebo
				K. Bohlin
87 1/2 ^d	2419881			L. Icarus
Short or Ineq				L. Icarus
222 ^d	2419508			L. Icarus
Maybe Ineq				L. Icarus
				R. Furukajelu
				J. H. Metcalf
				J. H. Metcalf
				J. H. Metcalf
				C.R. d'Estene
				D. Estene
				J. Paleia
				E. Akhti

1914

Designation	Constellation	Letter	Dr. R.A. 1900	Dec. 1900	Max	Min
29.1914 151420	Librae		15 14.7	- 20	5.4	Max
30.1914 152103	Librae		15 21.2	- 3	57.8	Min
31.1914 152121	Librae		15 21.5	- 21	54.6	
32.1914 152122	Librae		15 21.8	- 22	4.5	
33.1914 153716	Librae		15 37.1	- 16	9.7	
34.1914 153715	Librae		15 37.3	- 15	50.1	
35.1914 154112	Librae		15 41.6	- 12	6.1	
36.1914 154205	Librae		15 42.2	- 5	29.7	
37.1914 154316	Librae		15 43.6	- 16	25.2	
38.1914 154713	Librae		15 47.4	- 18	16.4	
39.1914 155018	Librae		15 50.9	- 18	33.3	
40.1914 155812	Scorpii		15 58.2	- 12	50.3	
41.1914 155812	Scorpii		15 58.3	- 12	54.3	
42.1914 160119	Scorpii		16 1.3	- 19	21.7	
43.1914 160311	Scorpii		16 3.1	- 11	50.6	
44.1914 160319	Scorpii		16 3.0	- 19	12.9	
45.1914 160116	Scorpii		16 1.7	- 16	30.6	
46.1914 160315	Scorpii		16 3.9	- 15	21.5	
47.1914 160444	Scorpii		16 4.2	- 14	21.4	
48.1914 160514	Scorpii		16 5.9	- 14	59.9	
49.1914 160621	Scorpii		16 6.5	- 21	41.3	
50.1914 160916	Scorpii		16 9.3	- 16	25.7	
51.1914 151828	Librae		15 18.8	- 28	21	
52.1914 151925	Librae		15 19.9	- 25	43	
53.1914 153429	Librae		15 34.9	- 29	26	
54.1914 153626	Librae		15 36.1	- 26	15	
55.1914 153628	Librae		15 36.7	- 28	31	
56.1914 153629	Libri		15 36.7	- 29	53	
57.1914 153828	Librae		15 38.7	- 28	25	

1914

Period	Epoch	Class	Sf.	Discovery
Period	Epoch	Class	Sf.	Discovery
				Librae
				E. b. Shipher
				E. b. Shipher
				E. b. Shipher
				b. O. Lampland
				b. O. Lampland
				b. O. Lampland
				E. b. Shipher
				b. O. Lampland
				b. O. Lampland
				b. O. Lampland
				b. O. Lampland
				b. O. Lampland
				E. b. Shipher
				b. O. Lampland
				b. O. Lampland
				b. O. Lampland
				b. O. Lampland
				E. b. Shipher
				b. O. Lampland
				E. b. Shipher
				b. O. Lampland
				b. O. Lampland
				b. O. Lampland
				b. O. Lampland

1914

Designation	Constellation	Letter	Dim	R.A. 1900	Dec. 1900	Mag	Min
86. 1914 225757 - Icarus	Uy			22	57.8 + 57	7.4	11.3
87. 1914 062573 - Icarus	Su			6	25.3 + 73	59	10
88. 1914 081041 - Puppis	RX	-41° 39' 11	8	10	44 - 41	24.1	
89. 1914 021656 - Persei		+56° 59'	2	16	19.09 + 56	45 20.6	10.6
90. 1914 192320 - Vulpec.				19	23	11.4 + 20	11 41.5
91. 1914 024136 - Persei	FF		2	41.3	+ 36	33	9.7
92. 1914 220262 - Cephei	TT		22	2.3	+ 62	0	12.0
93. 1914 215962 - Cephei	TU		21	59.8	+ 62	45	13.0
94. 1914 220662 - Cephei	TV		22	6.9	+ 62	38	12.3
95. 1914 215061 - Cephei	TW		21	50.4	+ 61	28.5	12.2
96. 1914 105259 - Carinae			10	52.0	- 59	55	6.5
97. 1914 070034 - Aurigae			7	0	14.8	+ 34	59.8
98. 1914 200109 - Capricorni	Ry		20	1	30.64 - 9	12 51	9.5
99. 1914 015023 - Arietis			1	50.3	+ 23	5	
100. 1914 094950 - Urs. Maj.			9	49.2	+ 50	17	
101. 1914 005961 - Cassiop.	BN		0	59.5	+ 61° 41'		10.6
102. 1914 010660 - Cassiop.	Uz		1	6.3	+ 60	41	11.3
103. 1914 014459 - Cassiop.	VR		1	44.2	+ 59	23.4	10.5
104. 1914 022058 - Persei	Uy		2	20	+ 58	27	11.6
105. 1914 023158 - Persei	Uz		2	31.6	+ 55	20	12.1
106. 1914 045947 - Aurigae	WX		4	59.0	+ 47	28	11.5
107. 1914 182039 - Lynx	UX		18	20.7	+ 39	2	13.7
108. 1914 185046 - Lynx	Uy		18	50.8	+ 46	33	11.9
109. 1914 190827 - Lynx	UU		19	1.6	+ 27	54	11.5
110. 1914 190627 - Lynx	UV		19	6.5	+ 27	40	11.6
111. 1914 190728 - Lynx	UW		19	7.6	+ 28	3	12.3
112. 1914 192029 - Cygni	BZ		19	20.0	+ 29	29	9.4
113. 1914 193428 - Cygni	BZ		19	34.9	+ 28	17	10.4

Period	Epoch	Class	Sp.	Discover.
				C. R. D'Estève
				L. Icarus
				J. Mackie
				M. Icarus
				Meyer
				Luizet
				D'Estève
				D'Estève
				D'Estève
				D'Estève
295				H. E. Wood
				Luther
				K. Graff
				G. Hornig
				G. Hornig
				D'Estève
				D'Estève
				D'Estève
5 ^d ±				D'Estève
				D'Estève
				D'Estève
				D'Estève
7 ^d 23				D'Estève
				D'Estève
				D'Estève
270				D'Estève
240				D'Estève
270				D'Estève
				D'Estève
280 ±				D'Estève

1914

Designation	Constellation	Letter	Dm (mi.)	RA 1900 21 45.2 (1255)	Dec 1900 + 37 55.4 + 37 43.4	Max 128	Min 18.4	Period 340 ¹ / ₂	Epoch	Class	Sp.	Discoverer
114. 1914 210587	Urs Min	X										D' Esteve
115. 1914 063444	Aurigae			6	34.1 + 44	14	12				md	A. J. Cannon
116. 1914 070714	Perseus		1598	7	7.2 + 14	46	10.8				Rp	" "
117. 1914 074226	Puppis			7	42.5 - 26	6	11.5				md	" "
118. 1914 112764	Muscae			11	27.6 - 64	52	10.5				Pec	" "
119. 1914 121835	Centauri		8125	12	18.9 - 35	5	8.5				Mc	" "
120. 1914 125728	Hydrae			12	57.9 - 28	34	9.5				md	" "
24. 1914	Antares			0	4.7 - 86	44	10.8					

1915

Designation	Constellation	Letter	DM	RA 1900	Dec 1900	Max	Min
1. 1915 010925	Pisces			1 9.3	+ 25 55.0		
2. 1915 234875	Cephei	TX		23 48.6	+ 75 37.5		
3. 1915 153524	Coronae	RW		15 35.2	+ 29 56.8	1	
4. 1915 045804	Orion		1025	4 58.8	- 4 20.8	6.4	8.5
5. 1915 221955	Lacertae			22 19 10.5	+ 55 0 20		

1915

Period	Epoch	Class	Sp.	Discoverer
				C. Hoffmeister
				Kortinsky
				C. Hoffmeister
				Voite
				Barnard

Aug 21, 1921
 Aug 21, 1921
 Aug 21, 1921
 Aug 21, 1921
 Aug 21, 1921

1916.

Designation	Constellation	Letter	DM	RA. 1900	Dec 1900	Max	Min	Period	Epoch	Class	Sp.	Discoverer
1. 1916 051800	Orionis	BS		5 ^h 18 ^m 42.3	+0° 54' 7"	13.5	<14.5					H. Thiele
2. 1916 051601	Orionis	Mora		5 ^h 16 ^m 25.3	+1° 4' 0"	11.5	<15					H. Thiele
3. 1916 2243 57	Lacutae	-	115° 28' 9"	22 42 59.2	+53° 54' 3"	9.3	9.8	Ira.	~	II	..	Martin & Therman
4. 1916 063531	Gemini			6 35.7	+31 33	8.6	8.8	Dir.		III		
5. 1916	Geminorum	Uz		7 7.1	+17 49	11	<15					wolf
6. 1916	Aquarii	TV		20 48.6	-2 1	11	14.5					"
7. 1916	Aquarii	TV		20 58.9	-2 26	10.5	11.5					"
8. 1916	Aquarii	TX		21 1.6	-1 44	10.5	<14.5					"
9. 1916	Aquarii	TU		21 2.5	+0 58	10	12.5					"
10. 1916	Comae	W		12 16.5	+28 47	11.5	14					"
11. 1916 034540	Persei	-		3 45.4	+40 6	-	-					Kill
12. 1916	Virginis	TX		13 49.8	-5 31	11.8	13.5			IV		Wolf
13. 1916	Ophiuchi	UB		16 37.2	-12 33	11	13					Dugan
14. 1916	Cass.			2 43.8	+69 24							
15. 1916 062416	Geminorum	TY		6 ^h 24.1	+16 40'	11	16					m. Wolf
16. 1916 063119	Geminorum	TY		6 ^h 31.7	+19° 41'	11.5	13.5					m. Wolf
17. 1916 063114	Geminorum	TU		6 ^h 31.8	+14° 47'	12	<16					m. Wolf
18. 1916 063218	Geminorum	UB		6 ^h 32.8	+18 21	13.5	<16					m. Wolf
19. 1916 063613	Geminorum	UX		6 ^h 36.6	+13° 25'	13	16					m. Wolf
20. 1916 064015	Geminorum	UX		6 ^h 40.2	+15° 45'	12	<16					m. Wolf
21. 1916 064001	Geminorum	UY		6 ^h 40.3	+13° 4'	11	<15					m. Wolf
22	Aquile	RV		19 43.0	-6 41	11	<14					
23	Tauri	UX		4 51.2	+25 28	10	<13					
24. 1916 000486	Octantis			0 4.7	-86 43.6	10.2	<13					Leavitt
25. 1916 042382	Menae		84	4 23.2	-82 6.4	9.9	10.9	long?				"
26. 1916 100488	Octantis			10 4.4	-83 0.9	11.5	13.0					"
27. 1916 102988	Octantis		355	10 29.6	-83 50.2	8.6	11.0	long?				"
28. 1916 115278	Chamaeleontis			11 52.4	-78 48.4	10.6	<13.0					"

1916.

Designation	Constellation	Letter	Dim.	R.A. 1900	Dec. 1900	Max.	Min.	Period	Epoch	Class	Sp.	Discoverer
29. 1916 133283	Octantis			13 32.4	-83 53.5	9.8	10.6					Leavitt
30. 1916 133682	Chamaeleontis			13 36.3	-82 9.1	11.0	12.5	long?				"
31. 1916 133988	Octantis			13 39.7	-88 7.8	11.2	12.3	long?				"
32. 1916 165788	Octantis			16 57.3	-88 29.6	12.8	13.6					"
33. 1916 170174	Apsid's			17 1.6	-74 1.3	10.0	10.6	Algol?		Algol?		"
34. 1916 170386	Octantis			17 3.8	-86 23.6	11.0	13.5					"
35. 1916 193278	Octantis	-79° 1040	19	32.8	-78 57.8	10.5	11.3					"
36. 1916 204475	Octantis		20	44.4	-75 21.0	10.0	11.0					"
37. 1916 210588	Octantis		21	5.2	-88 4.8	11.2	13.4	long?				"
38. 1916 212477	Octantis		21	24.9	-77 44.6	10.2	11.1					"
39. 1916 213687	Octantis		21	36.7	-87 20.0	12.0	13.0					"
40. 1916 213883	Octantis		21	38.4	-83 14.2	10.5	11.3					"
41. 1916 224187	Octantis		22	41.4	-87 34.5	10.5	11.4					"
42. 1916 235388	Octantis		23	53.8	-88 25.7	13.5	14.3					"
43. 1916 163760	Draconis	1691	16	37.7	+60 54.4	9.8	10.7	Algol?		Algol?		M. Harwood
44. 1916 022635	Trianguli		2	26.3	+35 7.8	11.9	12.9					a. J. G. Simon
45. 1916 043910	Eridani	993	4	39.0	-10 5.3	8.3	9.5				as J. C. Mackay	
46. 1916 103053	Velorum		10	30.5	-53 4.4	11	15					"
47. 1916 155037	Lupi	10602	15	50.1	-37 3.2	9.0	11					"
48. 1916 160710	Scorpii	4329	16	7.8	-10 5	10	11					"
49. 1916 160844	Normae	10923	16	8.3	-44 3.2	9.9	13					"
50. 1916 162818	Triang. Aust.		16	28.2	-68 20	9.8	13					"
51. 1916 171738	Scorpii		17	17.2	-38 47	11.6	15					"
52. 1916 174052	Orae		17	40.3	-52 37	11	14					"
53. 1916 181944	Coron. Aust.	12598	18	19.1	-44 20	10.5	15					"
54. 1916 181950	Librae		18	19.3	-50 54	11	15					"
55. 1916 193136	Scapitarii	13638	19	31.9	-26 37	10.5	13					"
56. 1916 205204	Egumlei	4584	20	52.2	+4 42	8.4	10.8			Algol	Ao	"

1916.

Designation	Constellation	Letter	Dim.	R.A. 1900	Dec. 1900	Max.	min.
57.1916 053841	- Aurigae			5 38	38.55 + 41 6 25.3	9.7	10.9
58.1916 214540	Cygni			21 45	10.4 + 40 40 17	10.4	11.4
59.1916 233945	Andromeda			23 39	56.7 + 45 7 53	8.9	9.6
60.1916 223252	- Lacertae			22 32	10.1 + 52 27.9		

Period	Epoch	Class	Sp.	Discover.
39.5276				R. Turuhjelm
				"
				"
				Barnard

1917

Designation	Constellation	Letter	DM	R.O. 1900	Dec 1900	Max	min	Period	Epoch	Class	SP	Discoverer	
1. 1917 035027	Tauri	UV		3 50.7	+27 16	12	<14					J. H. Metcalf	
2. 1917 034125	Tauri	UV		3 41.5	+25 59	13	21.6					J. H. Metcalf	
3. 1917 053843	Auriga	UV		5 ^R 38.5	+43° 35.1	13	<16					M. Wolf	A.N. 4888
4. 1917 054041	Auriga	XX		5 ^R 40.2	+41° 7.6	11.3	12.5					"	
5. 1917 055742	Auriga	YZ		5 ^R 57.0	+42° 15'	12.5	<16					"	
6. 1917 211541	Cygni	BH		21 ^R 15 ^m 4 ^s	+41° 28' 14"							J. Van der Bilt	A.N. 4888
7. 1917 273411	-Serpentis			17 34 16	-11 53.3							M. Wolf	A.N. 204, 344
8. 1917 194318	Sagittarii	BK		19 43 ^m 55 ^s	-18° 53.9	11.5	15					M. Wolf	A.N. 4895
9. 1917 053447	Auriga	WY		5 ^R 34.9	+47° 7.1	11.5	15					M. Wolf	A.N. 4896
10. 1917 054841	Auriga	XY		5 ^R 48.7	+41° 4.8	10	11.5					"	"
11. 1917 055747	Auriga	XZ		5 ^R 57.0	+47° 17.4	12	15					"	"
12. 1917 031142	Persei			3 ^R 11.8	+42° 27.4							"	A.N. 4898
13. 1917 033043	Persei	WX		3 ^R 30.6	+43° 19.2	13	16					"	"
14. 1917 033142	Persei	WY		3 ^R 31.7	+42° 21.1	10.5	12.5					"	"
15. 1917 033444	Persei	WZ		3 ^R 34.8	+44° 28.0	12.6	16					"	"
16. 1917 083420	Canis	RY		8 ^R 34.2	+20° 10.5	12.7	14.5					Hortegsprung	A.N. 4899 + 4905
17. 1917 060746	Auriga	VZ	1117	6 ^R 7.0	+46° 50.9	9.5	10.2					Hartwig	A.N. 4905
18. 1917 030647	Persei		783	3 ^R 6.7	+47° 27'							Fock	A.N. 4914-15
19. 1917 015654	Persei		444	1 56.5	+54 45	9.6	10.4					Woods	
20. 1917 042418	Tauri		+17° 736	4 24.2	+18 0	11.2	13.3					Locke	
21. 1917 061925	Seminorum			6 19.8	+25 36	11.5	15.0					Markie	
22. 1917 065916	Canis Majoris			6 59.9	-16 27	11.7	<15.3					O'Reilly	
23. 1917 103549	Velorum		5125	10 13.5	-49 35	12.0	<14.0					Wells	
24. 1917 122525	Hydrae			12 25.2	-25 30	10.3	11.7					Metcalf	
25. 1917 123054	Centauri			12 30.2	-54 1	12.5	<14.3					Campbell.	
26. 1917 133926	Hydrae		9905	13 39.0	-26 17	8.6	12.7					Woods	
27. 1917 114379	Librae			14 37.1	-19 47	10.0	<14.5					"	
28. 1917 153027	Lupi		10372	15 30.4	-37 31	11.3	<12.0					Markie	

1917

Designation	Constellation	Letter	M. R. A. 1900	Dec. 1900	Max.	Min.
29. 1917 155323	Scorpio		15	53.5 - 23	29	11.2
30. 1917 162618	Heracles		3186	16 26.2 + 18	36	9.5
31. 1917 164829	Ophiuchus		16	48.4 - 29	0	12.0
32. 1917 170107	Ophiuchus	N2	3302	17 1.8 + 7	55	9.1
33. 1917 170916	Heracles		3180	17 9.5 + 16	29	8.4
34. 1917 184202	Aquilae		4745	18 42.5 - 2	7	11.4
35. 1917 184811	Aquilae		3649	18 48.2 + 11	34	10.3
36. 1917 185401	Aquilae			18 54.9 - 1	42	12.2
37. 1917 191219	Sagittarii		19	12.8 - 19	14	13.0
38. 1917 192227	Sagittarii		19	22.7 - 29	53	11.6
39. 1917 220100	Aquarii		22	1.5 - 0	54	10.4

Period	Epoch	Class	Sp.	Discoverer
				Mackie
0.4554				Raymond
				Mackie
2.0809				Metcalf
				Metcalf
				O. Reilly
				Mackie
				O. Reilly
				Campbell
				Mackie
				"

1918

Designation	Constellation	Letter	Dm	R.A. 1900	Dec. 1900	Max.	min.
1. 1918 083232	Cancer	RZ	1772	8 ^h 32 ^m 56. ^s 5	+32° 8.8	9	10
2. 1918 072106	Monoceros	(nova)		7 ^h 21 ^m 54. ^s	- 6° 28.5	5.4	
3. 1918 062532	Antares	WN	1324	6 ^h 25 ^m 55. ^s 7	+32° 31.6	6.0	6.5
4. 1918 052400	Orion			5 ^h 24 ^m 44. ^s	+0° 19'		
5. 1918 095814	Leus	Ry	2194	9 ^h 58 ^m 53. ^s 3	+14° 28.3	9.1	10.0
6. 1918 185012	Libra	SN		15 ^h 50 ^m 10. ^s	-12° 34. ^s 5	9.8	<13
7. 1918 184300	Aquilae	Nova No. 3		18 ^h 43 ^m 0. ^s	+0° 28'		
8. 1918	Ophiuchi	UN		17 ^h 40.2	-11 36 28.6	11.5	14.5
9. 1918	-Antares	"		5 24	+39 58		
10. 1918 131948	-Can Venet.	"		13 19.8	+48 35	13.1	<14.6
11. 1918 235255	-Lacépède	"		23 52.9	+55 56	9.6	<14
12. 1918 002561	-Lacépède	"		0 25.7	+61 27	10.2	<17
13. 1918 004562	-Lacépède		+62° 16.1	0 45.5	+62 23	9.2	11.2
14. 1918 011055	-Lacépède		+55° 27.5	1 10.3	+55 52	10.5	12
15. 1918 234845	-Lacépède	"		23 48.6	+75 37	10	13
16. 1918 172146	-Herculis	"		17 21.8	+46 13	10.8	<13
17. 1918 224937	-Lacépède	SN	+37° 47.7	22 49.0	+37 23	8.6	-

Period	Epoch	Class	Sp.	Discoverer	
				E. Hertzsprung	a.n. 4926
				Wolf	a.n. 4927
1 d 6 h 17.8	24 216233637			Fr. Schwarz	a.n. 4928
				T Köhl	a.n. 4933
				T Köhl	a.n. 4937
				Luther	a.n. 4943
				Mündler	
				Hurtwig	
				J. Balanovich	
				Kostinich	
				"	
				"	
300-400 d				"	
				Kostinich	Same as 2. 1915
				"	
311	24 21048			Aschall	

1919

Designation	Constellation	Letter	Dm.	R.A. 1900	Dec. 1900	Max.	Min.	Period	Epoch	Class	Sp.	Discoverer
1. 1919 175523	- Hercules			17	55.9 + 23	36						m. Wolf.
2. 1919 175718	- Hercules			17	57.2 + 18	44						m. Wolf
3. 1919 175823	- Hercules			17	58.2 + 23	19						m. Wolf
4. 1919 180121	- Hercules			18	1.2 + 21	26						m. Wolf
5. 1919 180518	- Hercules			18	5.7 + 18	5						m. Wolf
6. 1919 181020	- Hercules			18	10.3 + 20	58						m. Wolf
7. 1919 181321	- Hercules			18	13.9 + 21	22						m. Wolf
8. 1919 181419	- Hercules			18	14.2 + 19	14						m. Wolf
9. 1919 181422	- Hercules			18	14.8 + 22	4						m. Wolf
10. 1919 181522	- Hercules			18	15.5 + 22	32						m. Wolf
11. 1919 171104	- Ophiuchi			17	11.5 + 4	50						m. Wolf
12. 1919 171707	- Ophiuchi			17	17.1 + 7	0						m. Wolf
13. 1919 172103	- Ophiuchi			17	21.7 + 3	33						m. Wolf
14. 1919 172204	- Ophiuchi			17	22.4 + 4	18						m. Wolf
15. 1919 172300	- Ophiuchi			17	23.1 + 0	42						m. Wolf
16. 1919 172700	- Ophiuchi			17	27.8 + 0	30						m. Wolf
17. 1919 172903	- Ophiuchi			17	29.7 + 3	50						m. Wolf
18. 1919 052607	- Orionis		920	5	26.5 + 7	32						m. Coch.
19. 1919 033844	- Persei		+44° 788	3	38.1 + 44	28	8.5	9.5			III	F.E. Espin
20. 1919	- Aurigae		..	5	41.4 + 44	50	8.5	9.5			IV	"
21. 1919	- Lyrae		+39° 3476	18	34.8 + 39	35	6.3	6.7			III	"
22. 1919	- Cygni		+40° 4001	20	0.9 + 40	9	9.7	10.5			IV	"
23. 1919	- Cygni		+36° 4025	20	17.6 + 36	36	8.2	9.7			III	"
24. 1919	- Cygni		..	20	46.9 + 45	3	9.6	10.0			IV	"
25. 1919	- Cephei		+60° 2267	21	32.5 + 60	28	9.1	10.1			IV	"
26. 1919	- Cygni		+41° 4248	21	39.9 + 41	38	8.7	9.2			III	"
27. 1919	- Androm		..	23	12.5 + 44	51	8.8	9.5			IV	"

1919.

Designation	Constellation	Letter	R.A.	Dec.	1900	Max.	min.
28. 1919	- Androm.	HW 4048	23	21.8 + 48	57	8.5	9.0
29. 1919	- Androm.	..	0	2.2 + 43	71	9.3	10.5
30. 1919	RZ Loris	..	11	32.3 + 2	22	10.5	< 13
31. 1919	145811 - Librae	-10° 4017	14	58.2 - 11	9		
32. 1919	11458 - Uro. Mag	+59° 1401	11	41.7 + 58	48	9.1	9.1
33. 1919	012757 - Carriof	..	1	27.1 + 57	14		
34. 1919	125907	..	18	59.6 - 7	9	11.5	13.5
35. 1919	191008	..	19	10.6 - 8	24	10	< 13
36. 1919	175007	..	17	50.9 + 7	54	12.44	13.63
37. 1919	165737 - Herulis	..	16	57.0 + 37	5	13	14
38. 1919	170936 - Herulis	..	17	9.5 + 36	6	9.5	10.5
39. 1919	172234 - Herulis	..	17	22.7 + 34	36	11.5	14.5
40. 1919	212646 - Cygni	..	21	26.9 + 46	56	14	16
41. 1919	212749 - Cygni	..	21	27.0 + 49	43	13	16
42. 1919	212746 - Cygni	..	21	27.3 + 46	3	11	< 15
43. 1919	212847 - Cygni	..	21	28.3 + 47	10	12	14.5
44. 1919	213347 - Cygni	..	21	33.0 + 47	10	14	16
45. 1919	213447 - Cygni	..	21	34.2 + 47	41	13.5	15.5
46. 1919	213448 - Cygni	..	21	34.9 + 48	54	14	15.5
47. 1919	213649 - Cygni	..	21	36.4 + 49	47	14	15.5
48. 1919	214146 - Cygni	..	21	41.0 + 46	1	11	12.5
49. 1919	214248 - Cygni	..	21	42.5 + 48	42	13.5	15
50. 1919	214247 - Cygni	..	21	42.6 + 47	39	14.5	< 16
51. 1919	214348 - Cygni	..	21	43.4 + 48	1	14	15
52. 1919	214849 - Cygni	..	21	48.5 + 49	51	13	16
53. 1919	214850 - Cygni	..	21	48.7 + 50	37	15	< 16
54. 1919	214948 - Cygni	..	21	49.1 + 48	30	12	15

[illegible]

Designation	Constellation	Letter	Dr.	R.A. 1900	Dec. 1900	Max	min
1. 1920 184929	Nova Lyrae	..	18 49	+29			
2. 1920 164829	Ophiuchi	Nova Ophi	16	48.4	-29	28	
3. 1920 082928	Lacerti	Nova Lac. 2808	8	29.2	+28	56	10-11
4. 1920	- Lyrae	Star of 16 Lyrae	19	17.6	+37	45	9.8 11.5
5. 1920 080023	- Lacerti	..	8	0 28.63	+23 32	13.0	9.7 11.5
6. 1920	Ux Ophi.		16	59 24	-12 4	20	13.5
7. 1920	- Aquilae	Nova (+)	19	12.0	+1 3 4		
8. 1920	- Cass.		0	55 14	+60 11.0	13	17.5
9. 1920	- Columbae		5	22 8	-28 57.2	9	12.5
10. 1920	- Monoc.		6	33 8	+9 5.0	13	17.5
11. 1920	- Monoc.		6	34 7	+8 56.3	16	17.5
12. 1920	- Monoc.		6	34 11	+8 56.8	15.5	17
13. 1920	- Monoc.		6	35 35	+10 82.1	18	15
14. 1920	- Monoc.		6	41 40	+8 7.3	10	15
15. 1920	- Scuti		18	23 45	-11 15.1	13.5	14.5
16. 1920	- Vulpec.		19	56 55	+22 50.0	11	14
17. 1920	- Pegasi		21	33 6	+23 22.7	12	17
18. 1920	- Cassiop.		23	46 59	+55 29.4	13.5	16
19. 1920	- Cassiop.		23	47 35	+56 11.2	13	18
20. 1920 055122 B2	Crionis	+22 1109	5	51.0	+22 50	9.5	10.1
21. 1920 070045	♂ Mensae		7	0.9	-75 50	10.5	12.5
22. 1920	- Monoc.	-10° 2171	7	37.5	-10 39	10.0	10.7
23. 1920	- Scorp.	-32° 13142	17	34.4	-32 10	7.8	8.7
24. 1920	♂ Aquilae		19	43.7	+3 27	10.5	11.6
25. 1920	- Aquilae		20	9.6	+4 30	10.2	12.0
26. 1920 155533	Nova Cygni 2						
27. 1920	- Pegasi	Vf.	21	57.6	+1 55	11	16

Period	Epoch	Class	Sf.	Dicovvener.
-	"	I	Rec	Inache woods
--	"	I?	--	wolf
1. 8912		XI		Inachie m. wolf Mof
		I?	--	m. Wolf. Hubble Hubble Hubble Hubble Hubble Hubble Hubble Hubble Hubble Hubble MB Cannon MB Applegate Rec. Cannon KO Cannon Mc Cannon Md Cannon Pec Demming Wolf J

1920

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 29. 1920
 29. 1920

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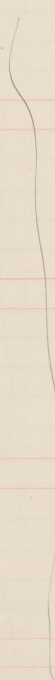
53.

54.

55. 1920

H. E. Wood
 " "

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 Hum. Cus. 48.



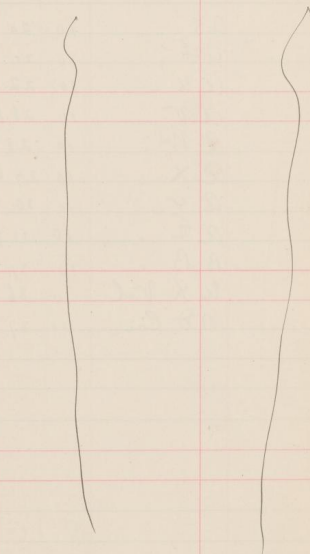
1920

Disj.	Concitt.	Letter Day	R.H. 1900	Dec. 1900	Mag. Min.
56. 1920					
57. 1920					
58. 1920					
59.					
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62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77. 1920					
78. 1920	- Eridani	dd			
79 1920	Tamir	Ulf	3 7.1 - 12 16		
80. 1920 2030573	Cygnus	BH	3 48.7 + 15 - 43	10.4 65.5	
81 1920 203258	"	BH	20 ^{30.0} 29.1 + 53 57	11 12	
82 1920 203260	"	BX.	20 ^{32.1} 32.1 + 58 25	12 14 16 18	

Cont. on p. 174.

A. E. Wood

Umic Cric 48

A. E. Wood
Wulf

U. D. 48

M. Wolf

1919 (cont'd) p. 160

Desig.

82. 1919 aParnai 10 10.8 - 60 52

83.

84. aS " 10 20.9 - 59 44

85. aF " 10 21.8 - 59 26

86. aH " 10 22.1 - 61 20

87. aV " 10 28.1 - 62 56

88. aW " 10 29.0 - 60 15

89. aX " 10 29.4 - 57 58

90. aY " 10 30.8 - 59 17

91. aZ " 10 31.7 - 59 57

92. BB " 10 31.8 - 60 25

93. uX Vel 10 36.2 - 54 12

94. BD Car. 10 37.8 - 59 17

95-

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Discoveries

Medell. Jones A.O. 18.

Union Cir 46

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1919

Design
109. 1919

110.

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130. 1919.

Russell

Main Line 46

Russell
Lines

Main Obs. 46

" " 47

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" " 48

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" " 49

1920 cmh. from p. 166

83. 1920 203354	BH Cygni	BH	20	33.6 + 54 18	14	< 16
84. 1920 203659	U Cephei	UX	20	36.8 + 59 11	12.5	13.5
85. 1920 204553	- Cygni	b.b	20	45.0 + 53 41	11	< 16
86. 1920 204556	- Cephei	UV	20	47.2 + 56 2	14	16
87. 1920 205859	- Cephei	UX	20	56.9 + 59 0	12.5	14
88. 1920 210155	- Cephei	UX	21	1.1 + 55 7	15	< 16
89. 1920 210558	- Cephei	UX	21	5.7 + 58 22	12	15
90. 1920 194953	- Cygni	BS	19	49.2 + 53 26	13	< 16
91. 1920 195750	- Cygni	BT	19	57.4 + 50 24	11	< 16
92. 1920	- Cygni	BU	20	2.7 + 50 5	10.5	15

Class	Class	Duration
		Wref
		"
		"
		"
		"
		"
		"
		"
		"

1921

1. 1921	105002	SV Leonis	h. 1900 m 1900	10 50.8 - 2 26	12.5	13.5
2. 1921	133507	UX Virginis		13 35.6 + 7 38	13	14.5
3. 1921	094808	SV Leonis		9 48.4 + 8 27	11	13
4. 1921	133538	Q Cam. var.	in M3	13 37.6 + 28 53 ^{49?} _{35.7}	14.5	15.5
5. 1921		Y Persei	+44° 9' 94	4 26.7 + 44 40.25	8.50	9.37
6. 1921	195857	BZ Cygni	+51° 27' 42	19 58.8 + 51 48		
7. 1921		BZ Cygni	+46° 35' 71	20 42.6 + 44 56	16.2	12.3
8. 1921	183604	Y Scuti	...	18 36.8 - 4 24	9.4	10.5
9. 1921	042625	W. Tauri	..	4 26.6 + 25 40		
10. 1921		Aquilae	+0° 40' 28	18 44.8 + 0° 25'		
11. 1921	215235	W Pegasi		21 52.3 + 35 52	11	14
12. 1921	215552	W Pegasi		21 55.5 + 32 45	14.5	16
13. 1921	215632	W Pegasi		21 56.4 + 32 54	11.	16
14. 1921	215734	W Pegasi		21 57.2 + 34 49	12	13.5
15. 1921	220135	X Pegasi		22 1.7 + 35 1	13.5	15
16. 1921	220355	X Pegasi		22 3.4 + 33 0	14	13
17. 1921	220429	X Pegasi		22 4.2 + 29 24	13.5	15
18. 1921	221331	Y Pegasi		22 13.9 + 31 15	14	13.5
19. 1921	221532	Y Pegasi		22 15.8 + 32 10	16	14.5
20. 1921	045765	W Doradus		4 57.4 - 65 52	12	14
21. 1921	053066	W Doradus		5 30.4 - 66 43	13	-
22. 1921	070066	U Volantis	C.D. - 66 638	7 0.0 - 66 5	10.2	11.5
23. 1921	074266	U Volantis		7 42.2 - 65 52	10.5	12.5
24. 1921	094566	Ab Carinae		9 45.8 - 66 59	12	< 13
25. 1921	190366	SV Parnonis		19 3.3 - 66 1	10.6	14.5
26. 1921	205565	SV Parnonis		20 55.5 - 65 38	12	13.5
27. 1921	224365	X Triculae		22 43.2 - 65 30	11.5	13.5?
28. 1921	231164	Y Triculae		23 11.2 - 64 49	12	-
29. 1921		- Herculis		16 36.3 + 41 18	12.07	13.13

Perseid

0.13 47 86

fid

Mars - 8.102

M. Baade

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J. Linnik in M3 re photo spec
chart X Cygni

A. Slane Williams

Haark

Furuchjelm

Linnik

Bohlin

Luplau faussant Haark

Wolf

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BZ 11-1/2
A.M. 215, 343

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A.M. 215, 47

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216 13

Furuchjelm

1921.

			1900	1900		
30. 1921	- Hercules		16	37.2 + 40° 48.7	11.87	13.00
31. 1921	004459 <i>X</i> Cassio.		0	44.1 + 59 34	9.4	10.8
32. 1921	011660 <i>X</i> Cassio.		1	16.5 + 60 39		
33. 1921	153262 <i>V</i> Draconis		15	32.8 + 62 41	11.1	
34. 1921	161958 <i>V</i> Draconis		16	19.5 + 58 40	11.4	
35. 1921	211008 <i>T</i> Equuli	+8° 46.37	21	10.9 + 8 51		

M. 216 0.091

Polaris near the 5th Magn.

Furruhjelm
 Balanowsky
 Balanowsky
 Balanowsky
 Balanowsky
 Balanowsky

A.M. 216 13
 A.M. 216 137
 A.M. 216 139
 " " 160
 " " "
 " " "

1922.

		1900	1900	
1. 1922	Nov. 2 Virginis (1919)	12	25.8 + 12	57
2. 1922	SB Car. Ant. In M. 8. 6544	18	0.3 - 48	45.6
3. 1922	ZZ Persei	2	44.3 + 56	30
4. 1922	W. Draco +65 1069	15	38.6 + 64	59
5. 1922	BB Cygni +34 4217	20	54.2 + 34	47
6. 1922	ZZ Pegasi	22	52.9 + 14	20
			120 - 126	
7. 1922		7	10.5 + 26	11
8. 1922		7	19.7 + 33	33
9. 1922		7	15.8 + 31	2
10. 1922				
11. 1922	- Aph.		12.0	< 15
12. 1922	- Iri 2. Neb. M 33	1	28.7 + 30	8
13. 1922	- Lam	3	35.8 + 19	47
14. 1922	- Lam	3	47.8 + 21	22

Balanovsky

A. N. 215, 215

Kakamura
K. Graff

BZ 22/1

BZ 22/144

A. N. 215, 471

M. 216/45

HB 766

M. Harwood

Buckhamer

A. S. Williams

See also

HB 767

M. 82, 416

A. N. 217, 15

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K. Reinhardt

M. Wolf

M. Wolf

A. N. 218, 63

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1923

29. 1923	- Vulp		19 55.8 +22 39.7	15 - 117
30. 1923	- Cygnii	+44 ⁰⁰ 668	20 57.0 +44 21	9.4 - 10.2
31. 1923	- Cygnii		21 42 57 - 0 5.6	12.8 - 117
32. 1923	- Cygnii		22 3.9 - 4 16	9.6 - 11.7
33. 1923	- Comae		12 28.1 +27 16	
34. 1923	- Cygnii		21 56.7 - 6 5	10.4 - 11.5
35. 1923				
36. 1923	- Vulp		20 35.3 +24 51	13.5 - 16.5
37. 1923	"		20 37.4 +23 26	15.3 - 16
38. 1923	"		20 37.4 +25 14	14 - 16
39. 1923	"		20 38.2 +20 32	10.5 - 13.5
40. 1923	"		20 46.6 +23 32	13.5 - 16.5
41. 1923	"		20 48.3 +26 48	11 - 14
42. 1923	"		20 50.6 +24 42	14.5 - 16
43. 1923	"		20 53.5 +24 25	13 - 14.5
44. 1923	- Comae	+12 ⁰⁰ 2053	9 +17	
45. 1923	- Cygnii		20 33.1 - 31.44	9.5 - 10.9

Pur. hona?	Ep.	Class	Sp.	Discrim Wolf	
			K-	Seluvation	A.M. 220, 335
0.2373492	2418127	IV		m. Wolf	
				M. Wolf	Q.M. 220, 335
				Belaardt	
				m. Wolf	
				m. Wolf	
				"	
				"	
				"	
				"	
				"	
		V		E. Opik	
37 ²		IV		Bolden	

1924

1. 1924	- Cyp	+44° 3888	21	33.6	+44	15	-
2. 1924	- Alm						
3. 1924	- Puzi	+40° 788	3	31.1	+40	26	9.2 - 9.8
4. 1924	- Hum.	"	6	34.1	+10	0	16.5 - <17
5. "	"	"	6	34.2	+9	51	14.5 - 17
6. "	"	"	6	34.9	+9	56	15.5 - 17
7. "	"	"	6	35.0	+9	55	16 - 17.5
8. "	"	"	6	35.2	+9	56	15.5 - 16
9. "	"	"	6	35.2	+9	56	14 - 16.5
10. "	"	"	6	35.2	+9	57	15.5 - 17.5
11. "	"	"	6	35.2	+9	52	15 - 17.5
12. "	"	"	6	35.3	+9	54	16.5 - 17
13. "	"	"	6	35.3	+9	54	16 - <17
14. "	"	"	6	35.4	+9	54	16.5 - <17
15. "	"	"	6	35.4	+9	42	16 - 17.5
16. "	"	"	6	35.5	+9	35	16.5 - 17.5
17. "	"	"	6	35.6	+9	50	16.5 - <17.5
18. "	"	"	6	35.6	+9	30	15 - 17
19. "	"	"	6	35.6	+9	35	15.5 - <17.5
20. "	"	"	6	35.7	+9	35	16 - <17
21. "	"	"	6	35.7	+9	32	16 - 16.5
22. "	"	"	6	35.7	+9	33	16 - <17
23. 1924	- Hum.	"	6	36.2	+9	31	16 - <17
24.	- Cyp	+49° 2999	19	21.9	+50	2	8.0 - 9.1
25.	- Agl	"	20	28.4	-5	59	11.5 - 12.5
26.	- Cyp	+35° 4282	20	45.3	+35	12	7.05 - 7.27
27.	- Peg	"	22	26.5	+16	18	11.4 - 13.3

Discrim
O'bouner

7. 15-965 2422287.250

A.S. Williams
brief a.m. 22, 379

long 100 22
outlet
78.5 2426276.0
Christy

Griff
Bullish
Pzkowski
J.E. Woods
H. M.

1924

28. 1924	- oph.	17 5.2 - 16 0
29.		
30.		
31.	- oph.	21 4.0 - 0 6 12.8 - 17
32.		
33.		
34.		
35.		
36.		
37.		
38.		
39.		
40.		
41.		
42.		
43.		
44.		4.9 - 2.53
45.		
46.		
47.		
48.		
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Reinmuller Q. M. 22, 305, na 19

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1924

55. 1924	- opl	17.57.9 +1 37	
56.			
57			
58			
59			
60			
61			
62			
63.	- Cap	20 33.0 - 12 2.2	12.5 - 13.5
64.	- Or	5 30.2 - 8 29	13.5 - 14.5
65.	- Or	5 36.6 - 8 9	12 - 15
66.	- Necker	18 46.0 + 15 49	9 - 11
67	- Lem.	7 50.1 + 32 41	10.0 - 10.2
68	- Cyf	21 3.9 + 31 49	11.9 - 14

Reminisc

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Belgarshy

Wolf

Woff

Bodkin

Williams

Zesswitsch

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IV

1925

1. 1925	Cyg		20 9.3 + 49 41	
2. 1925	- Serp	7. ..	9 52.2 + 43.8	12.5-13.5
3. 1925	- Aquari	..	21 2.5 - 12.5	11.8-11.4
4. 1925	- Cass	..	0 14.5 + 62 37	12-13
5. 1925	- Cass	..	0 27.6 + 61 58	11.3-12.0
6. 1925	- Hercules	..	18 46.0 + 15 49	9-11
7. 1925	- Gem	..	7 27.8 + 21 28	9.0-10.0
8. 1925	- Her	..	16 21.1 + 29 29	9.0-9.5
9. 1925	- Aql	nom	19 26.1 - 6.38	
10. 1925	- Oph	..	17 12.7 + 4 22	
11.	- Oph	..	17 29.2 + 3 7	
12.				
13.				
14.				
15.				
16.				
17.				
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Zessent
Belgavsky
Belgavsky
Belgavsky
K. Boklin
L. Ceraschi
Wolf
Reinhardt

Q. 7. 204, 14

Same stars as 66. 1924

Q. 7. 205,

Reinhardt

1925

29. 1925

30.

31

32

33

34

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42. 1925 - ^{1913.10} ~~1925~~ - Apr

19 13.0 - 10 52

43

44

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56. 1925

Reminisc

Q. 11.225, 388

Reminisc

Q. 11.225, 387

Reminisc

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1925-

57.1925

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84.1925-

Reminiscence

Q. H. 225, 387

Reminiscence

1925

Desig. Controll. Letter P.Q. & Dec. 1900 Range

85, 1925

86.

87

88

89

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91

92

93, 1925 ¹⁰³⁸¹⁸ - Lib. ^{in figure n. 8. 4424} 14 38.6 - 18 42 11 - 16.5

94 1925 ¹²²²⁰⁹ - V. ^{hore} 12 22.2 + 9 58 10.5 - 16

95 - ^{Op} 16 49.6 - 10 32

96

97.

98

99

100. 1925

101.

102.

103.

104.

105.

106.

107

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111.

112.

Decem.
Reinmuth

Reinmuth Q. N. 225, 387

M. Wolf Q. N. 226, 63

M. Wolf
Reinmuth Q. N. 226, 183

Reinmuth

1925

Desig.	Constell	Sectr	R.A. - D.R. (900)	Range
113. 1925				
114.				
115.				
116.				
117.	- Reg		23 8.8 +27 27	
118.				
119.	Tau		4 27.9 + 22 37	11.8 - 13.5
120.	Tau		4 48.7 + 21 29	11.5 - 12.5
121.	Tau		5 2.3 + 21 48	12.0 - < 13.5
122.	Tau		21 8.2 + 28 22	10.5 - < 14
123.	Lac		22 26.6 + 54 7	10.2 - 12.7
124.	Lac		22 41.7 + 54 32	11.50 - 12.14
125. 1925	Cyg		20 43.4 + 45 41	9.92 - 10.64
126.	And		0 13.7 + 40 53	11.5 - < 14.5
127. 1925	And		0 8.4 + 43 38	13.4 - 14.3
128.	Urs May		11 10.9 + 53 14	13.7 - < 14.5

Disappearance

Reinhardt

Zessewitsch	Q.N. 227, 26
Zessewitsch	Q.N. 227, 26
Zessewitsch	Q.N. 227, 26
Zessewitsch	Q.N. 227, 26
Zessewitsch	Q.N. 227, 26
W.P. Schamin	Q.N. 227, 26
W.P. Schamin	Q.N. 227, 27
Schwarzw	Q.N. 227, 27
Schwarzw	Q.N. 227, 27
Schwarzw	Q.N. 127, 27

1926

Disig

Cah

	Corvi	AT Corvi	12	31.8	-17	0
1. 1926			19	50.6	+55	4
2.			19	50.9	+53	51
3.	Cyg		21	0.6	+27	0
4.	Vulp		22	32.7	+51	83
5.	Lac		22	44.1	+54	13
6.	Lac		18	13.2	+6	57
7.	- oph	+60365	18	14	31.62	+6
8.	rv Cyg		19	51	39	+37
9	- Lyr		19	50.8	+27	47
10	- Vir		19	1.2	+35	38
11	- Sgr		12	6.8	+5	2
12	- Can ven		19	34.6	+16	2
13	- Can ven		12	16.8	+5	2
14	- Can ven		13	40.6	+33	9
15	- Can ven		13	44.0	+40	24
16.	- Bootis		13	53.1	+30	20
17	Peg		14	41.1	+41	27
18	Peg		21	24.8	+17	46
19	Peg		21	32.6	+13	1
20	Peg		21	5.7	+12	58
21	Peg		21	5.4	+12	3
22	Peg		21	11.1	+11	58
23	Peg		21	47.5	+8	35
24	Peg		21	23.4	+18	10
25	Boo		17	51.7	+42	53
26	Boo		14	43.1	+32	15.3
27	Boo		14	56.8	+35	31.4
28	Boo		14	0.5	+30	30.3
29	Boo		15	13.2	+35	28.3
30	- oph		18	3.0	+5	51.0
31	Oph		18	31.2	+7	36.3

215

Kordylewski	BZ. 1926, No. 8
G. Lauge	A.N. 227, 175
G. Lauge	A.N. 227, 175
G. Lauge	A.N. 227, 175
G. Lauge	A.N. 227, 175
G. Lauge	A.N. 227, 175
Boklin	BZ 1926, no. 19
Bade (Bapt)	A.N. 227, 269
	1926 18 volgedrukt BZ. 18 r 37
Prof. Reimann	
Beljarsky	A.N. 227, 423
Eutimich Pagan	
"	
"	
J. Haas	A.N. 228, 81
"	" " "
J. Haas	A.N. 228, 81
"	" " " 82
"	A.N. 228, 81
"	" " " 82
"	A.N. 228, 82
J. Haas	An. 228, 82
Eutimich Pagan	A.N. 228, 99
"	" " "
"	" " "
"	" " "
"	A.N. 228, 149
S. Beljarsky	A.N. 228, 119
H. F. S. Barrett	A.N. 228, 215

RR Lyn. type

Algal type
Pylaeidum

1926.

Star	Constell	Dist	R.A. - Dec (1900)	Range
31. 1926	Cass		0 10.7 + 57 37	
32.	Cass		23 47.7 + 58 4	0.3 - 0.4
33. 1926	Sagittae		19 50.1 + 17 59	10.5 - 11.2
34	And		0 44.2 + 26 29	11 - 12
35	Nek		15 57.5 + 47 11	9.5 - 10.5
36 <i>angulus</i>	Ry Can ven		13 40.0 + 7 41	11.1 - 11.8
37	JV Bootis		14 12.6 + 42 50	10.5 - 11.4
38	JZ Bootis	+40° 28' 57"	15 4 8 + 40 20	10.7 - 11.2
39	- Lyn		7 10.7 + 48 42	9.2 - 11
40	- Cyg		19 27.9 + 34 19	10.2 - 11.3
41	- Vul		19 22.6 + 21 8	10.2 - 11.1
42	- Teuti		18 46.8 - 6 21.6	11.5 - 12.5
43	Sagittarii		19 48.2 - 17 45.7	
44	Sagittarii		19 43.1 - 16 13.1	
45	- Popl		16 8.4 - 5 2	11.9 - 13.2
46	- Cyg		20 58.2 + 30 32	12.3 - < 15.0
47	- Cyg		20 32.9 + 42 45	11.3 - 11.4
48	- Lac		22 20.1 + 50 56	12.6 - 13.4
49 1926	- Cyg		19 34.8 + 53 15	12.8 - < 15.0
50	- Cass		0 6.7 + 60 46	12.7 - 13.9
51	- Cass		0 14.8 + 61 35	12.0 - 13.1
52	- Cyg		20 55.0 + 47 15	13.0 - < 15.2
53	- Cyg	+43° 37' 50"	20 58.5 + 44 0	0.5
54	- LMi		10 10.0 + 33 22	10 - 11
55			18 34 59.52 + 44 58	
56	- Nek		17 33 15 + 45 0.7	9.0 - 10.0
57	- Dra		18 51.1 + 51 45	13.7 - < 14.5
58	- Dra		19 14 + 49 7	13.0 - < 14.2
59	- Dra			
60	- Dra		22 3.0 + 51 1	13 - 15

<i>Hyacinth</i>				
S. Blasas				A.N. 228, 216
S. Blasas				A.N. 228, 216
Blug				" " " "
L. Ceraschi				A.N. 228, 264
"				" " " "
Gustav & Progen				" " " 331
"				" " " "
L. Ceraschi				" " " "
"				" " " "
L. Ceraschi				A.N. 228, 320
Lange <i>Bojany</i>				A.N. 228, 320
"				" " " "
"				" " " "
Philipp				" " " 332
H. B. Bannett				" " " 333
Lange				" " " "
"				" " " "
Selivanow				A.N. 228, 351
Balanowsky				A.N. 229, 175
"				" " " "
"				" " " "
"				" " " 176
L. Ceraschi				A.N. 229, 177
"				" " " "
L. Ceraschi				A.N. 229, 177
Selivanow				" " " "
"				" " " "
Hoffmeister				A.N. 229, 178

Long pos.

