

## NEW VARIABLE STARS (EIGHTH LIST),

By FRANK E. ROSS.

The following list is a continuation of that in *A. J.* No. 903.

No.	Equinox 1875		Mag.	Date	Mag.	Date
	$\alpha$	$\delta$				
	h m s	° ' "				
345	0 5 13	+11 24.3	11.5	1915 July 9	11.0	1928 Jan. 9
346	1 37 41	+37 19.0	<15	1907 Oct. 23	12	1927 Feb. 21
347	2 51 59	- 6 41.9	12	1913 Dec. 18	10	1928 Jan. 11
348	4 41 8	+25 0.6	11	1906 Oct. 12	<15	1927 Feb. 21
349	4 52 46	+26 29.3	11	1906 Oct. 12	<15	1927 Feb. 21
350	5 12 44	-16 29.2	10	1907 Oct. 7	14	1927 Feb. 19
351	5 13 41	-13 58.4	<15	1907 Oct. 7	11	1927 Feb. 19
352	5 18 50	+26 36.7	<15	1906 Oct. 12	11	1927 Feb. 21
353	5 32 12	-15 52.7	<15	1913 Dec. 26	11	1928 Feb. 9
354	6 4 1	-13 5.7	<15	1913 Dec. 26	11	1928 Feb. 9
355	9 5 9	- 8 51.6	<15	1914 Nov. 26	12	1927 Feb. 22
356	15 30 36	-11 35.6	12	1909 May 21	<15	1927 Apr. 30
357	15 40 47	+21 16.1	10.5	1904 May 5	10.0	1928 July 5
358	16 46 8	+35 39.7	11	1904 Aug. 4	9.5	1928 May 21
359	16 52 11	-13 19.1	15	1911 May 3	10	1928 July 15
360	16 59 0	-18 23.9	11	1911 May 3	<15	1928 July 15
361	16 59 16	-10 18.7	11	1911 May 3	<15	1928 July 15
362	17 2 16	-18 51.9	12	1905 May 6	15	1928 July 9
363	17 4 7	-23 19.0	13	1905 May 6	11	1928 July 9
364	17 6 59	-20 51.1	12	1905 May 6	<15	1928 July 9
365	17 13 11	-18 34.8	<15	1911 May 3	13	1928 July 15
366	17 17 57	-17 24.9	15	1905 May 6	13	1928 July 9
367	19 43 52	+ 9 5.0	12	1907 July 26	14	1927 Aug. 31

Yerkes Observatory,  
Williams Bay, Wis.,  
June 6, 1929

## NEW PROPER MOTION STARS (SEVENTH LIST),

By FRANK E. ROSS.

The following list of new proper motion stars is a continuation of that in *A. J.* No. 900. They were obtained by a comparison, in the blink comparator, of plates taken with the Bruce telescope by PROFESSOR E. E. BARNARD and the writer.

Group	No.	Mag.	Eq. of 1875		Identifying Star			P.M.	
			$\alpha$	$\delta$	m	$\Delta\alpha \cos \delta$	$\Delta\delta$	p	s
			h m s	° ' "		'	'	°	"
170	788	10	1 14 37	+23 40.6	10	+6.1	+ 2.7	82	0.44
171	789	9	1 25 1	+33 54.9	9	+4.0	- 1.4	137	0.25
	790	11	1 35 3	+37 3.2	9	+4.0	- 3.1	90	0.42
172	791	12	2 50 37	+10 17.6	8.7	+3.7	- 0.3	101	1.91
	792	10	3 7 33	+ 8 39.7	8.9	+0.3	- 3.6	111	0.40

Group	No.	Mag.	Eq. of 1875		Identifying Star			P.M.		
			$\alpha$	$\delta$	m	$\Delta\alpha \cos \delta$	$\Delta\delta$	p	s	
			h m s	° ' "		' "	° "	° "	"	
173	793	13	4 49 33	+24 23.9	11	+1.5	- 1.4	146	0.39	
	794	11	4 53 37	+24 41.6	10	-1.1	- 3.6	145	0.50	
	795	13	5 8 35	+22 56.9	10	+2.3	- 0.8	141	0.51	
174	796	11	5 27 6	-16 11.3	11	+0.8	- 1.3	182	0.28	
175	797	11	5 48 17	-14 24.0	12	-1.7	- 2.8	161	0.53	
176	798	11	13 41 56	+ 6 8.6	8.7	+4.4	+13.4	322	0.33	
	799*	13	13 58 37	+ 2 33.4	8.7	-0.6	+ 0.4	266	0.32	
	800	10	14 2 33	+ 5 8.5	9.2	-4.9	- 6.6	135	0.55	
177	801	12	15 18 38	-14 45.7	10	-0.2	- 0.8	204	0.28	
	802	14	15 30 4	-13 42.3	8.3	-3.2	- 0.3	211	0.78	
	803	14	15 30 31	-11 34.6	12	+0.8	- 1.0	191	0.28	
	804	12	15 38 32	-13 25.5	9	..	- 1.9	201	0.59	
178	805	9.5	15 25 11	-10 57.2	8.3	+5.8	- 8.3	275	0.46	
179	806	11	15 48 21	+35 8.4	10	+0.8	+ 5.6	153	0.59	
	807	11	15 56 44	+37 35.5	10	..	+ 5.8	219	0.41	
	808	12	15 56 48	+37 10.0	9	+4.6	+ 2.3	163	0.58	
180	809	11	16 30 28	+33 33.8	8.2	+1.8	+ 5.4	236	0.22	
	810	9.5	16 35 2	+34 31.3	10	+0.4	- 1.8	316	0.26	
	811	14	16 35 31	+38 47.0	10	-1.4	- 4.9	291	0.33	
	812	11	16 36 20	+36 33.3	7.4	-2.9	+ 6.8	29	0.25	
	813	11.5	16 39 39	+35 9.8	12	-0.6	- 0.9	230	0.31	
181	814	11	16 57 39	-14 31.8	8.8	-4.9	+ 0.8	214	0.38	
	815	12	17 1 8	-18 17.9	9	+3.9	- 1.7	261	0.24	
182	816	14	17 2 36	-21 36.5	9	+3.4	+ 0.8	202	0.27	
	817	11	17 9 3	-23 4.3	10	-6.6	- 3.9	199	0.24	
	818	13	17 10 24	-20 35.1	8.7	+9.9	+ 4.9	214	0.25	
183	819	13	17 35 23	- 8 44.6	10	+3.0	..	247	0.82	
184	820	11	17 58 44	+25 45.9	11	..	- 3.5	199	0.22	
185	821	9.5	19 44 2	+ 7 47.1	...	..	..	169	0.27	BD+7°4250
186	822	12	20 54 51	+29 58.0	9.1	-4.2	+ 5.8	76	0.40	
	823	13	20 55 18	+29 56.9	9.1	+1.8	+ 4.6	78	0.14	
	824	12	21 5 37	+28 55.0	8.8	-1.7	- 0.7	202	0.36	
	825	10	21 6 4	+33 0.8	9.1	-5.4	..	74	0.48	
	826	14	21 10 43	+29 20.5	10	-1.8	+ 4.0	66	0.22	
187	827	9	20 38 20	+51 49.6	9	+1.7	- 0.9	6	0.20	
	828	9.2	20 46 49	+52 25.5	...	..	..	64	0.54	BD+52°2815

\* Shares p.m. with identifying star.

TABLE 2. DATA ON PLATES.

Group	Plate Center 1928.0		Epochs of Plates		Group	Plate Center 1928.0		Epochs of Plates	
	$\alpha$	$\delta$				$\alpha$	$\delta$		
	h m	°	h m	°					
170	1 21	+23	1910 Aug. 12	1927 Feb. 22	183	17 48	- 8	1915 July 4	1928 July 22
171	1 28	+37	1907 Oct. 23	1927 Feb. 21	184	17 52	+26	1907 Feb. 21	1927 Aug. 31
172	2 49	+ 9	1916 Aug. 27	1927 Dec. 21	185	19 47	+ 8	1907 July 26	1927 Aug. 31
173	5 2	+24	1906 Oct. 12	1927 Feb. 21	186	21 5	+30	1909 July 14	1927 Oct. 24
174	5 29	-18	1907 Oct. 7	1927 Feb. 19	187	20 28	+50	1911 June 29	1927 Oct. 23
175	5 45	-13	1913 Dec. 26	1928 Feb. 9	188*	0 24	+10	1915 July 9	1928 Jan. 9
176	13 57	+ 2	1909 Mar. 25	1927 Apr. 29	189*	3 3	- 6	1913 Dec. 18	1928 Jan. 11
177	15 30	-15	1906 May 21	1927 May 3	190*	8 52	-10	1914 Nov. 26	1927 Feb. 22
178	15 19	-10	1909 May 21	1927 Apr. 30	191*	14 24	-10	1915 May 11	1927 May 3
179	16 7	+37	1907 Apr. 13	1928 May 12	192*	15 16	+21	1915 Apr. 5	1928 May 11
180	16 39	+36	1904 Aug. 4	1928 May 21	193*	15 43	+16	1904 May 5	1928 July 5
181	17 5	-15	1911 May 3	1928 July 15	194*	16 4	+ 6	1910 Apr. 29	1928 May 19
182	17 16	-21	1905 May 6	1928 July 9	195*	17 12	- 8	1915 Apr. 17	1928 July 23

\* No new proper motions on these plates.

Yerkes Observatory,  
Williams Bay, Wis.,  
June 6, 1929.

## THE ABSOLUTE MAGNITUDE OF *PROXIMA CENTAURI*,

A CORRECTION.

By HAROLD L. ALDEN.

DR. VAN MAANEN has very kindly called my attention to an error in the calculated absolute magnitude of *Proxima Centauri* in the *Astronomical Journal*, No. 913. The photographic absolute magnitude should be 17.5 and the visual absolute magnitude 15.5 or one magni-

tude brighter than those previously given in the reference cited.

Yale University Observatory,  
Southern Station, Johannesburg,  
April 17, 1929.

## CONTENTS

WASHINGTON OBSERVATIONS OF THE *MOON*, BY H. R. MORGAN.

PROPER MOTIONS OF FAINT STARS, BY MICHAEL S. KOVALENKO.

NEW VARIABLE STARS (EIGHTH LIST), BY FRANK E. ROSS.

NEW PROPER MOTION STARS (SEVENTH LIST), BY FRANK E. ROSS.

THE ABSOLUTE MAGNITUDE OF *PROXIMA CENTAURI*. A CORRECTION. BY HAROLD L. ALDEN.

EDITOR, BENJAMIN BOSS, ALBANY, N. Y.; ASSOCIATE EDITORS: ERNEST W. BROWN, F. R. MOULTON AND RALPH E. WILSON. PUBLISHED BY THE DUDLEY OBSERVATORY, ALBANY, N. Y., U. S. A., TO WHICH ALL COMMUNICATIONS SHOULD BE ADDRESSED. PRICE \$5.00 THE VOLUME. PRESS OF THOS. P. NICHOLS & SON CO., LYNN, MASS. Closed, July 23, 1929.