KG
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RG 11366.035

J. S. Mackie

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2

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November 26, 1919

12 20 Map of the Sky 22 +45

AC 21975 November 8, 1919 compared with

AC 20303. July 21, 1918

1 70

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1919phae.proj.1036M

November 26, 1919

Map of the Sky 2h +45°

2 15

AC 22027 November 24, 1919 compared with

AC 18949 July 13, 1917.

3 00

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1919phae.proj.1036M

November 26, 1919

3 00 Map of the Sky 0 +45 10

AC 22028 November 24, 1919 compared with

AC 20498 September 14, 1918

4 00

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1919phae.proj.1036M

November 28, 1919

10 25 Map of the Sky 0 +75

AC 22029 November 24, 1919 compared with

11 05 AC 17926 September 23, 1916

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1919phae.proj:1036M

November 28, 1919

11 20 Maps of the Sky 3 +45

aC 21968 October 29, 1919 compared with

aC 18044 October 23, 1916

12 00

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1919phae.proj.1036M

December 1, 1919

11 20 Map of the Sky 5 +30

AC 21996 November 13, 1919 compared with

AC 18452 January 17, 1917.

AC 21996 looks as though it had another exp. Hard to exam. Real exp. elongated which made it a little easier.

11 50

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1919phae.proj:1036M

December 1, 1919

11 50 Map of the Sky 3 + 30

AC 21993 November 13, 1919 compared with

AC 19435 November 10, 1917.

12 55

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1919phae.proj.1036M

December 1, 1919

1 30 – Map of the Sky 0 +15

AC 21969 October 29, 1919 compared with.

AC 15826 December 10, 1914.

2 05

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1919phae.proj.1036M

December 1, 1919

2 40 Map of the Sky 22 +15

AC 22000 November 15, 1919 compared with

AC 19105 September 10, 1917.

3 15

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1919phae.proj.1036M

December 1, 1919

3 35 Map of the Sky 19 30 +60

AC 22008 November 20, 1919 compared with

AC 18861 May 25, 1917

4 00 incomplete

December 2, 1919 continued.

9 45 Very difficult. If it was not for the elongation of the real exposure, it would be impossible to use AC 22008 for superposing.

10 05

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1919phae.proj:1036M

December 2, 1919

10 05 Map of the Sky 7 +30

AC 21989 November 9, 1919 compared with

AC 19128 September 12, 1917.

Very difficult due to defective films.

10 40

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1919phae.proj.1036N

December 2, 1919

11 00 Map of the Sky 7 ±0

AC 21823 September 24, 1919 compared with only three bright stars.

AC 19663 January 12, 1917

11 15

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1919phae.proj.1036M

December 2, 1919

II 35 Map of the Sky 18 ±0

AC 21854 September 29, 1919 compared with
Wrong region,
AC 21848 September 24, 1919 only shows bright stars
my pm plate.

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1919phae.proj.1036N

December 2, 1919

11 50 Map of the Sky 4 +75

AC 21995 November 13, 1919 compared with.

AC 14830 February 4, 1914.

12 30

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1919phae.proj.1036M

December 2, 1919

1 30 Map of the Sky 20 +75

AC 22026 November 24, 1919 compared with

AC 19401 November 5, 1917.

2 10

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1919phae.proj.1036M

December 2, 1919

2 15 Map of the Star 0 +75.

AC 21977 November 8, 1919 compared with

AC 19661 January 12, 1918.

3 00

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1919phae.proj.1036M

December 3, 1919

8 35 Map of the Sky 22 30 +60 9

AC 22010 November 20, 1919 compared with

AC 19098 September 8, 1917.

Direct on film of A.C. 22010. Stars slightly elongated.

9 25

γ Cassiop. +58°2560 23 7.4 +59 8 (1900)
Br. on AC 19098.

Long period

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1919phae.proj.10360

December 3, 1919

9 30 Map of the Sky 0 +45

AC 22011 November 20, 1919 compared with

AC 16799 September 30, 1915.

10 25

γ Cassiop. +58°2560 23 7.4 +59 8 (1900)

Nov. 12 Br. on AC 16799.

NEW. +60°246 1 20 5.3 + 6 0 13.2 mgn. 9.2

~~Br. 7t~~ 17013

Br. 16799

~~Br. 7t~~ 17188

Br. 17848

Br. 17886

7t. 22011

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1919phae.proj.1036M

December 3, 1919

11 20 Map of the Sky 2 +45

AC 22031 November 24, 1919 compared with

AC 19690 January 16, 1918.

12 10

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1919phae.proj.1036M

December 3, 1919

Map of the Sky 20 +45.

1 15

AC 22007 November 20, 1919. compared with

AC 19432 November 10, 1917 for northern half as AC 22007 enters nearer +37°. No one plate can cover entire region.

2 15

AC 20343 April 3, 1918 for southern end.

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1919phae.proj.1036M

December 4, 1919

10 10 Map of the Sky 0 +60.0 11

AC 22046 December 1, 1919 compared with

AC 19232 October 2, 1917.

11 05

γ Cassiop +58°2560 23 7.4 +59 8 12

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1919phae.proj.1036

December 4, 1919

11 20 Map of the Sky 7 ±0

AC 22042 November 30, 1919 compared with

AC 19663 January 12, 1917.

12 15

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1919phae.proj.1036N

December 4, 1919

12 20 Map of the Sky 5 ±0

AC 22033 November 24, 1919 compared with

12 55

AC 17419 March 21, 1916

~~Y Cassiop +58° 2560 23 7.4~~

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1919phae.proj:1036M

December 4, 1919

1 30 Map of the Sky 8 ± 0

AC 22036 November 24, 1919 compared with

AC 20866 December 23, 1918

2 15

Neptune at 8 45 +17 57

T Hydrae -8°2525 8 50.8 -8 46

Long period.

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1919phae.proj.1036

December 5, 1919

8 45 Map of the Sky 3 +30

AC 22039 November 30, 1919 compared with

AC 19126 September 12, 1917.

9 25

Many defects.

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1919phae.proj.1036M

December 5, 1919

9 35 Map of the Sky 4 +45

AC 22040 November 30, 1919 compared with

AC 17870 September 11, 1916.

10 10

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1919phae.proj.1036N

December 5, 1919

10	25	Map of the Sky		3	+45°
		AC 22047	December 1, 1919 compared with		
11	15	AC 18305	December 14, 1916.		

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1919phae.proj.1036M

December 9, 1919

11 10 Map of the Sky 1 +45

AC 22048 December 1, 1919 compared with

AC 18926 June 27, 1917

11 55

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1919phae.proj.1036

December 9, 1919

12 00 Map of the Sky 7 +15

AC 22065 December 3, 1919 compared with

1 10.

AC 15988 January 8, 1915.

Neptune + Iris on AC 15988

R Geminorum +22°1577 7 1.3 +22 52 (64 - 13.8)
br. on AC 22065 ft. on AC 15988

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1919phae.proj.1036M

December 9, 1919

1 40 Map of the Sky 22 +75

aC 22060 December 3, 1919 compared with

aC 17810 August 20, 1916.

2 20

(+55° 2815 22 42 43.4 +55 33.2 8.7)

Very slight variation. < 1.0

Br. aC 17810, ft. aC 22060

aC 19410 ft.
aC 19365 ft.
aC 20304 br.
aC 20471 br.
aC 22009 br.

V Lacertae (8.5 - 9.4)

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1919phae.proj.1036N

December 11, 1919

10 50 Map of the Sky 3 +45

AC 22053 December 2, 1919 compared with

AC 19814 February 13, 1918

11 45

R Trianguli

+33° 470 2 31.0 + 33 50

Long period

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1919phae.proj.1036M

December 11, 1919

12 05 Map of the Sky 7 +45

AC 22064 December 3, 1919 compared with

AC 17479 April 3, 1916.

12 40

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1919phae.proj.1036N

December 11, 1919

2 40 Map of the Sky 8 ± 0

AC 22088 December 5, 1919 compared with

AC 18583 February 20, 1917.

3 10

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1919phae.proj.1036M

December 12, 1919

11 10 Maps of the Sky 6 ±0

AC 22085 December 5, 1919 compared with

AC 19607 December 15, 1917.

11 45

V Monocerotis -2° 1581 6 17.7 -2 9

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1919phae.proj.1036M

December 12, 1919.

12 05 Map of the Sky 8 +30

AC 22087 December 5, 1919 compared with

AC 19562 December 7, 1917.

12 55

Neptune on both plates.

Br. AC 22087
Ft. AC 19562
Br. AC 17796
Br. AC 17994
Br. AC 18021

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1919phae.proj.1036M

December 12, 1919

2 10 Map of the Sky 21 +45

AC 22069 December 4, 1919 compared with

AC 17762 August 7, 1916

2 50

NEW +46°3267 21 13.8 +46 24 [8.3]

Var. 13

Bs. 22069.
7t 17762
Bs. 17796
Bs. 17994
Bs. 18021
7t. 17511
7t. 17350

10 min. selecting plates for variation

Variation very doubtful. Plates AC 17762 and 17511 are extremely poor, the latter being badly fogged. The following additional plates show no variation. AC 4032, 5213, 5294, 5733, 6507, 6620, 2852, 2865, 11037, 14158.

H. S. L. July 8, 1921

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1919phae.proj.1036

December 15, 1919

11 40 Map of the Sky 4 ±0

AC 22073 December 4, 1919 compared with

AC 16031 January 20, 1915.

12 05

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1919phae.proj.1036M

December 15, 1919

12 10 Maps of the Sky 2 +75

AC 22074 December 4, 1919 compared with

AC 16851 October 16, 1915

12 50

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1919phae.proj.1036

December 15, 1919

1 40 Map of the Sky 8 ±0

AC 22078 December 4, 1919 compared with

AC 15724 November 14, 1914

2 45

Neptune on plate 8 54 +17 (Dec. 4, 1919)

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1919phae.proj.1036N

December 15, 1919

3 00 Map of the Sky 8 +30

AC 22079 December 4, 1919 compared with

AC 19618 December 22, 1917

3 35

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1919phae.proj.1036M

December 16, 1919

9 55 Maps of the Sky 5 +15

AC 22055 December 2, 1919 compared with

AC 18564 February 16, 1917

10 55

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1919phae.proj.10364

December 16, 1919

11 20 Maps of the Sky 8 ±0

AC 22057 December 2, 1919 compared with

AC 19578 December 10, 1917

12 25

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1919phae.proj.1036

December 16, 1919

2 10
+ 40

Map of the Sky 23 +45

AC 22070 December 4, 1919 compared with

AC 20202 June 14, 1918

3 05

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December 19, 1919

11 30 Map of the Sky 0° +45°

AC 22049 December 1, 1919 compared with

AC 19548 December 3, 1917.

12 30

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50

December 19, 1919

2 25 Map of the Sky 4 +30

AC 21956 October 28, 1919 compared with

AC 5387 October 17, 1904

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December 20, 1919

10 10 Map of the Sky 6 +15

AC 22034 November 24, 1919 compared with

AC 20704 November 14, 1918

11 10

Var. Approx. 1855 6 29.7 +11 40 (diffusion image)

B. AC 22034 (diffusion image)
7t. AC 20704
7t. AC 17082
7t. AC 17269
7t. AC 17447
7t. AC 18180
7t. AC 18677

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December 20, 1919

11 35 Map of the Sky 21 +15

AC 21951 October 28, 1919 compared with

AC 15343 July 21, 1914.

12 30

ζ Delphini +16° 4290 Long period

20 26 +17 7

Br. on AC 21951 & AC 15343

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December 20, 1919

1 45 Map of the Sky 21 ± 0

AC 21999 November 14, 1919 compared with

AC 20258 July 10, 1918

Uranus on AC 20258 at 21 58 −13 10

2 40

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December 22, 1919

12 45 Maps of the Sky 20 +30

AC 22093 December 10, 1919 compared with

AC 14313 August 31, 1913

1 45

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December 22, 1919

2 10 Map of the Sky 19 +45°

AC 22113 December 6, 1919 compared with

AC 10471 April 28, 1909

2 55

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1919phae.proj:1036M

December 23, 1919

11 55 Map of the Sky 21 +60

AC 22094 December 10, 1919 compared with

AC 19231 October 2, 1917.

12 55

V Lacertæ +55° 2815 22 42 +55 30

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1919phae.proj.1036

December 23, 1919

2 40 Map of the Sky 4 +75

AC 22041 November 30, 1919 compared with

AC 13700 January 13, 1913.

3 40

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1919phae.proj.1036M

December 29, 1919

11 30 Map of the Sky 7 +15

AC 22051 December 1, 1919 compared with

AC 17083 December 8, 1915

12 35

γ Monocerotis −2°15′81 (6 17.7 − 2 9 [1900]) Long period

S Canis Minoris +8 1800′ (7 27,3 + 8 32 [1902]) " "

Approx. 7 10 + 22 or 23

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1919phae.proj.1036

December 29, 1919

1 55 Map of the Sky 22 +45

AC 22009 November 20, 1919 compared with

AC 18949 July 13, 1917.

2 30

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December 30, 1919

11	30	Maps of the Sky	4	±0
		AC 22054 December 2, 1919 compared with		
12	10	AC 18045 October 23, 1916		

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December 31, 1919

10 20
+0 -50 Map of the Sky 0 +45

AC 22081 December 5, 1919. compared with

AC 18971 July 22, 1917.

10 55

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December 31, 1919

11	00	Maps of the Sky			1	+45			1

AC 22121 December 18, 1919 compared with

AC 18322 December 19, 1916

		4 Persei							2
12	00	+54° 431		1	53.0	+54	20	(19m)	Long period
		SV Androm.		23	59.2	+39	33		

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1919phae.proj.1036M

December 31, 1919

1 40 Map of the Sky 6 +45

a C 22148 December 25, 1919 compared with

a C 19671 January 13, 1918

2 35

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1919phae.proj.10364

January 2, 1920

Maps of the Sky

10 40 20 +30

AC 22i32 December 20, 1919 compared

AC 19027 August 12, 1917

11 40

Nova Lyrae

NEW? Nova? approx. 18 48 +29 5 (1855

Var. 14

+41° 3595 19 59 3.4 +41 10.7 (9.5) [1855]

W W Cygni.

Not seen on AC plates taken since 1901 through to Dec. 4, 1919
First seen Dec. 6, 1919; fainter Dec. 10, 1919; Very br. on AI plate taken Dec. 17, 19 19, faint again Dec. 29 1919.

3 hrs spent looking on earlier plates.

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1919phae.proj.1036N

HARVARD COLLEGE OBSERVATORY

BULLETIN 705

Miss Mackie has found another New Star in the course of her examination of the Harvard photographs of the Milky Way. Its position is, R. A. $18^h\ 49^m\ 30^s$, Dec. $+29°\ 6'.3$ (1900). Miss Cannon finds that it has the characteristic spectrum of the early Nova type. Between December 4 and 6 it rose rapidly from the sixteenth magnitude or fainter, to a maximum of about 6.5. Since that time it has undergone marked fluctuations in brightness. Its present magnitude is 8.5.

Photographs with large instruments are needed, to determine the detailed characteristics of its spectrum. The star is now far to the west in the evening but will soon be accessible in the early morning.

S. I. BAILEY.

CAMBRIDGE, MASS., U.S.A.
January 6, 1920.

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1919phae.proj.10360

January 3, 1920

10 40 Map of the Sky 2 +75

A C 22124 December 18, 1919 compared with

A C 16851 October 16, 1915.

11 15

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1919phae.proj.10366

January 7, 1920

12 50 Map of the Sky 8 ±0 10

AC 22171 December 30, 1919 compared with

AC 15927 December 23, 1914.

2 00

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1919phae.proj.1036M

January 8, 1920

10 35 Map of the Sky 3 +30

AC 22113 January 5, 1920 compared with

AC 19159 September 18, 1917.

11 25

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1919phae.proj.10366

January 8, 1920

11 30 Map of the Sky 2 +45

AC22214 January 5, 1920, compared with

AC 17955 September 28, 1916.

12 15 12

H Persei +54°431	1	53.0	+54 20	long period
R Trianguli +33°470	2	31.0	+33 50	long period

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1919phae.proj.1036M

January 9, 1920

12 05 Map of the Sky 20 +45

AC 22211 January 5, 1920 compared with

AC 19187 September 23, 1917.

12 55

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1919phae.proj.10360

70

January 9, 1920

Map of the Sky

1 20 22 +15 11

AC 22212 January 5, 1920 compared with

AC 16954 November 8, 1915.

1 50

AC 22212 Excedingly poor plate

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1919phae.proj.1036M

January 10, 1920

11 20 Map of the Sky 19 30 +60

a b 22191 January 3, 1920 compared with.

~~a c~~ ~~July 14~~ a c 20268 July 14, 1918.

T Cephei +68° 1291 21 8.2 +68 5 Long period

12 00

1919phae.proj.1036

72

January 10, 1920

12 05 Map of the Sky 4 +45

Ab 22195 January 3, 1920 compared with

Ab 17945 September 27, 1916

12 50

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1919phae.proj.1036M

January 10, 1920

3 10 Maps of the Sky 7 ±0

A C 22 197 January 3, 1920 compared with,

A C 20658 November 7, 1918

3 45

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1919phae.proj.10366

74

January 12, 1920

11 50 Map of the Sky 0 +75

a b 22182 January 2, 1920 compared with

a b 17926 September 23, 1916.

12 40

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1919phae.proj.1036M

January 12, 1920

1 30 +/- Maps of the Sky 20 +2 75

AC 22181 January 2, 1920, compared

AC 15350 July 25, 1914.

2 30

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1919phae.proj.1036

January 13, 1920

9 55 Map of the Sky + +75.0

Ab 22231 January 11, 1920 compared with

Ab 13700 January 30, 1913

10 55

χ Camelopardalis + 32.8 +

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1919phae.proj.0026M

January 13, 1920

Map of the Sky 6 +45.0

11 20

Ab 22230 January 11, 1920, compared with

Ab 21214 March 1, 1919.

12 20

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1919phae.proj.10364

January 13, 1920

2
7 15 Map of the Sky 22 30 +60

ab 22222 January 10, 1920, compared with

ab 8221 November 22, 1916
ab ~~9134~~ ~~September 14, 1917.~~

3 30

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1919phae.proj.1036M

January 14, 1920

10 05 Maps of the Sky 22 +45

~~Maps of the Sky~~

Ab 22221 January 10, 1920 compared with

Ab 19653 January 10, 1918.

11 10

RT Lacertae +43° 4112 21 57.4 +43 24

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1919phae.proj.10360

January 14, 1920

11 45 Maps of the Sky 8 +15

Ab 22177 January 1, 1920, compared with

Ab 19468 November 14, 1917.

12 45

+14°1598 7 12 +14 +6

– Gemini.

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1919phae.proj.1036M

January 14, 1920

1 40 Map of the Sky 6 +45.

Ab 22178 January 1, 1920, compared with,

Ab 18238 November 26, 1916.

2 25

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1919phae.proj.10364

January 14, 1920

2 35 Map of the Sky 3 +30.0

RC 22238 January 12, 1920, compared with

RC 19632 January 1, 1918.

3 50

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1919phae.proj.1036M

January 15, 1920

10 00 Map of the Sky 6 +15

Ab 22241 January 12, 1920 compared with

Ab 17269 January 29, 1916.

11 25

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January 15, 1920

1 20 Map of the Sky 19 30 +60.0

A C22236 January 12, 1920, compared with

A C18861 May 25, 1917.

2 30

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January 16, 1920

9 50 Map of the Sky 4 +45.0

AC 22253 January 14, 1920 compared with.

AC 14815 January 28, 1914.

10 50

Ven. 15

IVEW var. ^ 3 59 +46 10 m.s on AC 18242, br. on AC 15874, Bs. on AC 14895, ft. on AC 14815, br. AC 22253

30" looking up Objects

Mysterious object. br. on AC 22253 m.s on AC 22244 Jan. 13, 1920, m.s on earlier plates, mayb. dif. image. 4 9 +36 50

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1919phae.proj.1036

January 16, 1920

1 05
~~12 52~~ (Lunch interruption)

Map of the Sky 22 +45

AC 22251 January 14, 1920 compared with

AC 20629 November 1, 1918

2 15

I had to use another AC Plate at 21 +45 AC 17696 as AC 22251 was slightly out in R.A.

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1919phae.proj.1036M

January 27, 1920

Map of the Sky 5 ± 0

12 20

AC 22298 January 21, 1920 compared with

Ab 16971 November 10, 1915

Mystery dif.? not seen on AC 22277 Jan. 17, 1920.

Approx. 1855 + 30 + 10.

1 25

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January 27, 1920

1 25 Maps of the Sky 7 +30

AC 22299 January 21, 1920 compared with

AC 19425 November 8, 1917

2 20

R Leonis +22° 1577 7 1.3 +22 52 (1900) Long period

4X Aurigae	7	21.6	+41	10 (1900)
	7	18	+41	15 (1855)

Var. 16 IV Cam 6 36 +32 25

Br. AC 19425
ft. AC 22299
Br. AC 18454
ft. AC 21989

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1919phae.proj.1036M

January 29, 1920

11 50 Map of the Sky 18 +45

AC 22305 January 21, 1920, compared with

AC 17888 September 16, 1916.

12 50

Reduc. Novae 18 48 +29 5

Spent 15m on var.
on prec. page which is new.

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1919phae.proj.1036

January 29, 1920

1. 30 Map of the Sky 4 +45

AC 22310 January 26, 1920, compared with

AC 20534 September 27, 1918.

2 20

RR Persei

+50° 557 2 21.7 +50 49 (1900)

Long periods

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1919phae.proj.1036M

January 29, 1920

Map of the Sky 22 30 +60.0

2 35

AC 22309 January 26, 1920 compared with

AC 19139 September 14, 1917

3 30

SV Cassiop. +51° 3676 23 34.2 +51 43

Jan. 17 NEW 22.0 +64 28

Br. on AC 19139

ft. on AC 22309 Before announcing lookup more plate.

ft. AC 19194

br. on AC 21029 def?

Does she mean 21039? - 21029 is for 4 +45 - would not cover

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1919phae.proj.1036N

January 30, 1920

10 35 Maps of the Sky 0 +75 12

AC 22314 January 28, 1920 compared with

AC 19915 March 11, 1918 15

2

11 55

Var.

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1919phae.proj.10368

January 30, 1920

12 30 Map of the Sky 4 +70

ac 22316 January 28, 1920, compared with

15m for lunch. AC 14830 February 4, 1914.

2 00

X Camelop. 4 32.8 +74 55

Var. 18/VEW 0 16 +73 5

n.s on AC 14830
b. n AC 22316
ft on AC 19915
ft n AC 14603
ft. AC 13710
b. AC 22314

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1919phae.proj.10360

February 2, 1920

10 45 Maps of the Sky 6 +15

Ac 22315 January 28, 1920, compared with

Ac 18677 March 19, 1917.

12 15

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1919phae.proj.10364

February 2, 1920

12 30 Map of the Sky 7 ± 0

ab 22306 January 25, 1920, compared with

ab 21031 January 31, 1919.

1 05
duchess.

1 20

1 50

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1919phae.proj.10366

February 2, 1920

Maps of the Sky 2 +45

2 40

AC 22296 January 21, 1920, compared with

3 10 AC 19116 September 11, 1917

interrupted to qualify plate.

3 40

3 50

1	46	+53	10		br. on AC 19116 ft on AC 22296 dif?				
1	28	+57	2	RW Cassiop.	1	30.7	+57	15 (1900) short	
1	50	+54	10	Q Persei	1	53.0	+54	20 (1900) long.	
2	19	+50	30	RR Persei	2	21.7	+50	49 (1900) long.	
2	36	+47	30	RY Persei	2	39.0	+47	13 (1900) Algol.	
3	10	+58	30	—	On all plate but AC 19116. dif?				

2 31 +33 50 (1900) R Trianguli. long period.

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1919phae.proj.1036

February 3, 1920

cont from preceding pg. Map of the Sky 2 +45

12 40

1 10

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1919phae.proj.1036

February 3, 1920

2 15 Map of the Sky 3 +30

AC 22297 January 21, 1920. compared with

AC 19126 September 12, 1917.

3 15

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1919phae.proj.10364

February 4, 1920

10 40 Maps of the Sky 8 +15

α 22325 January 30, 1920, compared with

α 16221 March 9, 1915.

12 0 5

γ Geminorum	+13°1653	7	17.6	+13	17 (1900)
Jupiter at	9h	5m	+17	34	
Neptune	8	50	+17	39	

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1919phae.proj.1036N

February 4, 1920

12 40 Map of the Sky 6 +45

Ab 22336 January 31, 1920, compared with

Ab 21016 January 29, 1919.

1 15

1 25

1 55

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1919phao.proj.1036N

February 4, 1920

2 00 Map of the Sky 17 0

Ab 22342 January 31, 1920, compared with

Ab 17469 March 31, 1916,

2 35

AC 22342 shows only five stars and is badly fogged from moon.

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1919phae.proj.1036M

February 11, 1920

12 00 Map of the Sky 5 +15

Ac 22361 February 8, 1920 compared with

Ac 18046 October 23, 1916.

1 15

5 18 +22 30 Massalia (asteroid)

{ While A. D. Walker was looking this asteroid up she discovered Metis another asteroid only a short way }

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1919phae.proj.10366

February 12, 1920

10 50 Map of the Sky 2 00 +75

Ab 22365 February 9, 1920, compared with

Ab 19234 October 2, 1917

11 50

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1919phae.proj.1036M

February 12, 1920

11 55 Map of the Sky 19 +15

Ab 22372 February 9, 1920, compared with

Ab 7668 July 16, 1906.

12 25

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1919phae.proj.10360

February 12, 1920

12 30 Map of the Sky 17 +15

Ac 22359 February 7, 1920, compared with

Ac 14160 July 10, 1913.

1 05 incomplete

Var. 19 +31°2847

Cat. star. 16 18 +31 10 Gr. on AC 22359 ft. AC 14160, Gr. AC 22230, ft. AC 14210

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1919phae.proj.1036

February 13, 1920

cont. from page 106.

11 35 Map of the Sky 17 +15

12 00

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1919phae.proj.10367

February 13, 1920

12 05 Maps of the Sky 18 +30

AC 22360 February 7, 1920, compared with

AC 19570. Dec. 10, 1917

1 05.

North mps AC 19570 Stars at south n.s. good enough to superpose

South mps. AC 19020 was used.

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March 22, 1920

12 15 Maps of the Sky. 7 +30 1

AC 22515 March 18, 1920 compared with

AC 19425 November 8, 1917

1 10 2

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1919phae.proj.1036

March 22, 1920

1 40 Map of the Sky 7 ±0

Ac 22514 March 18, 1920 compared with

Ac 21031 January 31, 1919.

2 50

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March 23, 1920

Map of the Sky 3 +45

11 50 Ab22413 February 18, 1920 compared with

Ab20579 October 7, 1918.

12 25

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1919phae.proj.10366

March 23, 1920

1 30 Map of the Sky 4 +30

Ab 22404 February 16, 1920, compared with

Ab 15985 January 8, 1915.

2 55

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1919phae.proj.10364

March 24, 1920

Map of the Sky 19 30 +60

11 40

Ac 22521 March 21, 1920 compared with

Ac 18690 March 20, 1917

12 35

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1919phae.proj.10366

March 29, 1920

10 45 Maps of the Sky 0 +75

AC 225-32 March 24, 1920, compared with

AB 19402 November 5, 1917

11 30

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1919phae.proj.10360

March 29, 1920

11 45 Map of the Sky 4.30 +60

1

Ab 22523 March 24, 1920. compared with

Ab 16750 September 19, 1915.

2

12 35

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March 29, 1920

Map of the Sky 6 +45

1 - 35

a b 22522 March 23, 1920, compared with.

a b 21214 March 1, 1919.

2 - 45

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1919phae.proj.10364

March 30, 1920

12 40 Map of the Sky 8 +15 2

Ab 22524 March 23, 1920, compared with

Ab 17561 May 4, 1916.

1 10

1 20

1 50 { Jupiter on plate Ab 22524 at
8 43 +19 3
Neptune at
8 45 +18 1

On Ab 17561 Neptune at
8 8 +19 53

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1919phae.proj.10366

March 30, 1920

2 05 Map of the Sky 3 +45

Ab 22391 February 14, 1920, compared with

Ab 18305 December 14, 1916.

3 30

R Trianguli

+33°470 2 31.0 +33 50 (1900)

Long period.

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1919phae.proj.10364

March 31, 1920

11 45 Map of the Sky 22 30 +60 2

Ab 22539 March 27, 1920, compared with

Ab 17924 September 23, 1916.

12 35 3

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March 31, 1920

2 35 Map of the Sky 23 +45

Ab 22380 February 11, 1920, compared with

Ab 20385 August 18, 1918.

3 25

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March 31, 1920

Map of the Sky 7 +30

4 00

AC 22523 March 23, 1920, compared with,

AC 19207 September 26, 1917.

4 25

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April 2, 1920

11 05 Map of the Sky 20 +15

ABC22547 March 29, 1920, compared with

12 15

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1919phae.proj.10364

April 2, 1920

12 20 Map of the Sky 21 +30 1

Ab22546 March 29, 1920, compared with

Ab20145 May 17, 1918.

1 00

{Lunch}

1 40

2 00

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1919phae.proj.10366

April 5, 1920

11 25 Map of the Sky 5 ±0

Ab 22548 March 30, 1920, compared with,

Ab 19118 September 11, 1917.

12 20

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1919phae.proj.1036

April 5, 1920

1 10 Map of the Sky 18 +45

Ab 22538 March 27, 1920, compared with

2 50 Ab 18742 March 30, 1917.

Very darks during examination. Thunder storm.

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April 6, 1920

Map of the Sky 5 +45

1 35

ab 20792 December 6, 1918, compared with

ab 22346 February 2, 1920.

2 45

3 30

3 40

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1919phae.proj.1036N

April 6, 1920

Add. region not ordinarily taken. I have used 2 regions to cover plate

4 00 "Map of the Sky" 0 30 +60

α 22312 January 28, 1920, compared with

α 21039 February 1, 1919.

4 30

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1919phae.proj.1036N

April 7, 1920

Map of the Sky. Same as preceding page.

10 10

For reg. regions to superpose a C 18632 was used

11 40

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1919phae.proj.10360

April 7, 1920

12 45 Map of the Sky 19 +30 11

Ab 22331, January 30, 1920, compared with

Ab 19943 March 17, 1918.

1 15

1 25 11

2 10

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1919phae.proj.10368

April 8, 1920

11 05 Map of the Sky 7 +15

Ab 22557 April 6, 1920, compared with,

Ab 18248 December 3, 1916.

11 45

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April 8, 1920

11 45 Map of the Sky 5 +45

Ab 22556 April 6, 1920, compared with

Ab 21060 February 3, 1919.

12 05

Only 1 of 2 sections completed.

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1919phae.proj.10366

April 12, 1920

10 50 Continued from preceding page.

11 40

1

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April 12, 1920

12 35 Map of the Sky 8 +30 2

Ab 22558 April 6, 1920, compared with

Ab 19618 December 22, 1917.

1 45 2

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April 12, 1920

2 05 Map of the Sky 4 +30

Ab 22551 April 3, 1920, compared with,

Ab 18550 February 12, 1917.

2 40

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1919phae.proj.10366

April 12, 1920

3 30 Map of the Sky 22 +75 11

Ab 22362 February 9, 1920, compared with

~~Ab 20563 October 3, 1918.~~

Ab 21057 February 3, 1917

12

4 25

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1919phae.proj.10366

April 28, 1920

11 40 Map of the Sky $7^h +15°$

ab 22608 April 20, 1920, compared with

ab 18248 December 3, 1916.

12 20

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April 29, 1920

11 25 Maps of the Sky 7 +45

Ab 22353 February 7, 1920, compared with

Ab 17288 February 4, 1916.

12 20

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April 29, 1920

~~0~~ ~~35~~

3 15 Map of the Sky 8 ±0

Ab 22354 February 7, 1920, compared with

Ab 18326 December 19, 1916.

~~2~~ ~~50~~

4 10

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1919phae.proj.10366

April 30, 1920

2 00 Map of the Sky 6 +60 .

Ab 22614 April 28, 1920, compared with

Ab 16397 April 13, 1915.

2 35

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