Heating sun & Earth
9-30 P.M.

$10^h\ 40^m - 20^s$ Dec $19° 52'$
1-39-50 " " "

23-79-70

11-69-65

12-10-5

Aug. 29, 1911.

AM67.114 b
1971x

#21

Time	Alt
5h 30m 32s	10° 54′
5 32 25	10 48 30
5 34 15	10 42 30
5 35 30	10 38 30
5 36 34	10 36
5 37 44	10 32
5 38 46	10 28 30
5 40 17	10 24 30
5 42	10 20
5 42.55	10 19

Aug. 29. 1916

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No 1 100 - L

No 2 50 - 16 S.E.

3 100 - 32

4 100 - 32

5 50 - 16

6 " "

No 9 Shafter Islands

Bright half lens 50-16

Little Rock Cliffs

75 - 22

Glacier 75 - 22
Fiord 100 - 16
Fiord 50 - 16
With half lens

~~Platte~~ River delta
50 - 16
Fiord 100 - 16 spoiled
" 100 - 16
Ah-nar-dwah 100-16

Fiord Plate. Green 1/2 sec
Stop 32

Green 7 1 sec smallest

Sun 200 - 16
Sun 200 - 22
~~Fiord~~ Cafe 50 - 16
Fiord 50 - 11

Oo-bloo-yah Plate

Bright sun time 4-15

time 1/2 Stop W
" 1 " W
" 1 " 11

Cee-say-you No 3

1 sec [illegible] 11

No 4
Side 1/2 W

Water 1/2 W

Eb 1/2 W

[illegible] water 1 sec 8 stop

Kandah 1 ue W

Plates
no 0 High Hill 1 - 5
no 0 Glacier 100 - 32

Portraits on wall
50 - 11
Ee-lay-oo 50 - 8
bright

Green H 50 - 8
S 50 - 16

~~Ee-look-ah Ikar~~ 5 or 6
50 - 11

Alnay-ah
~~Green C 8 F1~~
~~50 - 11~~

~~Green B 50-16~~
~~" A 100 - 16~~

~~Green C 100 - 16~~
~~D 50 - 11~~
~~100 - 16~~

~~Group 0 50 - 11~~
~~" 0 50 - 11~~

~~Boat 1/2 50 - 16~~
~~House 1/2 50 - 16~~

Graflex

215 – 11

11 O'Clock
11-15-
11-30
11-45-
12
12-15-
12-30
12-45-
1

Pilate Camera

200 – 16

~~11-3~~
~~11-18~~
11-33 Camera Down
11-48
12-3
12-15-
12-18
12-33
12-48
1-3

Chro. $10^h\ 30^m$
Watch 10 - 29 - 29

Aug. 30. 1916

at $10^h\ 8^m\ 30^s$ $18°\ 54'$

Chro $10^h\ 18^m$
Watch 10 - 18 - 31

at $2^h\ 5^m\ 5$ 18

14 5 5
10 8 30
2 | 24 13 35
12 - 6 - 47

?

Aug. 31, 1916

Chro 10 - 7
Watch 10 - 7 - 31.5

at 10 - 14 - 55 ☌ $18°\ 35'$
∴ 14 - 3 - 45 ☌
2 | 24 - 17 - 100
12 - 8 - 80
12 - 9 - 10

Time	☌	act
5^h 29 - 35		10° 12 30
5 - 32 - 30		10 4
5 - 33 - 30		10 60 30
5 - 34 - 28		9 58
5 - 36 - 18		9 52
5 - 37 - 25		9 44
5 - 38 - 30		9 45 30
5 - 40 - 20		9 40
5 - 41 - 30		9 - 38 - 30
5 - 42 - 33		9 - 35

5-45-53 9-25-30
5-47-30 9-20

Sept 1, 1916

Chro 10 17
Watch 10 17 31.5

10-19-53 137
13-58-20 130
2) 23-77-70
11 68 65
12-9-5

alt. 18° 21'

4-30-30 12-43-30
31-30 41-30
32-14 38-30
33-10 36-00
34 33-30
34-45 31-00

35-35 29-00
36-30 26-30
37-35 23-00
38-32 21

Sept- 5, 1916

Chro 9- 37
Watch 9- 36-55

at 9- 33-5 alt

Sept. 6. 1916

Chro 9- 48
Watch 9- 47- 57

9-43-57 ⊙ 15° 36'
2-28-25 ☉ 15° 36'

Temp. 27.6
Bar. 29.44

Sept. 8, 1916

Chro
Watch

Sept. 11, 1916

	♎	♏	♑
Chro.	4	43	
Watch	4	42	25.5

Time ⊙	Alt
4-48-59	9° 1' 30
4-50-26	8-57-30
4-51-55	8-53-30
4-52-47	7-50-30
4-54-20	7-46-30
4-55-5	7-44-30
4-56-1	7-41-30
4-56-	

Time

4-57-41	7° 37
4-58-34	7-34-30
4-59-34	7-31-30
5-00-29	7-29-30

Sept. 13, 1916

Chro	8h	40	
Watch	8	39	26

Time ☉ alt Time

8-45-15

Sept. 17, 1916

Chro	4h	18	
Walch	4	18	9

Walch ☉ alt

4h 27 55	6-42-30
4-29-1	6-39-30
4-29-37	6-38
4-30-17	6-36
4-31-27	6-32-30
4-32 9	6-30-30
4-32-49	6-29
4-33-29	6-26-30 ?
4-34-12	6-25
4-34-50	6-23
4-35-37	6-21
4-36-14	6-19

Sept 19, 1916

Chro	9	32	
Walch	9	32	4

Temp. 17 D. Bar 30.20

Time	☉	alt.
9-38-58		10 43
9-40-47		10 48
9-43-17		10 51
9-44-18		10 52 30
9-45-39		10 55

Chro 4-4 Walch 4-4-4

Temp 70 Bar 30.12

4-8-42	☉	6-46-30
4-10-25		6-36

Bar 29.90
Barograph 30.18

Sept. 26, 1916

Chro 9-38
Watch 9-38-10

Time	Alt ⊙
10-56-17	8-30-30
10-00-10	8-23-30
10-1 55	8-27-30
10-3 52	8 33
10-5 42	8-34-30

Oct. 4, 1916

A.M.

Chro 9-45
Watch 9-44-20

Time	Alt ⊙
9-48-39	5° 25
9-50-19	5 27 30
9-51-37	5-25
9-53-24	5-33
9-54-20	5-34-30
9-55-16	5-36

13-57-4
13-58-4
13-59
14-4

Dec. 10, 1916

Chro. 2 12 60
Watch 2-12-24
" Slow 36s

Meridian Passage Certain 2h 31m

3 59 60
Alt. 339° 40
20° 20'

P. & R. 2' 28"
Bar 1
20
P. & R. - 2' 49"

alt 2x 20 00
2 49
20° 17' 11"
Z 69 42 49
D 8 38 44
Pol 78 21 33

Sat. Dec. 16

Alt 339°-40' = 20° 20
Time 7-55-30

Chro. 8h - 8m - 00s
Watch 8 - 8 2

Watch fast 2 sec

Alt. Jupiter 20° 20'
Time 7h 55m 27s
Ther. 10 ☉
Bar 30.38

Aldebaran

Dec. 19, 1916

Alt 28° 3' 30"

Time 10h 33m

Chro.	10	53	60
Watch	10	43	40
Watch slow		10m	20s
Time	10h	43m	20s

Obs. alt	28°	3'	30"
Corr -		1	53
h	28°	1'	36
z	61	58	24
d	16	20	36.31
L	78	19	00.31

P & R. 1' 41"

Bar. 30.46	+	1
Ther -5 3'	+	11
Corr.,	- 1	53

R.A.M.S	17h	43m	40s
Long.			47.7
R.A.M.S. Greal	0h 17	44	27.7
L.S.S.	4	31	10.35
	24		
	28	31	10.35
R.A.M.S. -	17	44	27.7
Sid. Int	10	46	42.65-0
Red. -		1	45.947
L.M.S.	10	44	56.703
Chro. Time	10	43	20
Chro. Slow		1	36.703

Dec. 22.

Aldebaran

R.A $4^h - 31^m - 10^s.358$

Alt. 28 - 3 - 30

Time

Rellabrig

5 - 20 - 40.7

altitude 17-48-1.5

359 59 60
17 41 1
342 18 59

S. 5 - 18 - 38
M.S. 11-12

360
342
18°

Alt. 18°

R.A 5^h 20^m $40^s.7$
Time S. 5 18 38.
Watch slow 2^m 2.7

Dec. 24
Chro 4 - 31
Watch 4 - 30 20
Watch slow 40^s

Mahab 23^a 00 37.
Alt. 26 26

359 60
26 26
333 34

Aldebaran

331° - 56' - 30"

Chro. 9 - 48
Watch 9 - 48 - 31.5

Chro. 9 - 55 ~~00~~
Watch. 9 - 54 31.5
Watch slow 28.5

R.A. 4 - 31 - 10
Transit 4 - 31 - 30

Mean time 10 - 1.8 - 10

Alt. 359 60
331 56
28 4

Chro
W

Chro 10 - 41 ~~00~~
Watch 10 - 40 - 33
27.
28.5
2 | 55.5
27.7

Watch slow 28 sec

Vega

Dec. 25, 1916.

R.A. $18^{h}\ 34'\ 7''.694$

Alt.	50	3	50
	359	59	60
	50	3	50
Transit.	309°	56'	10"

Chro	11	52	
Watch	11	52	8
"			8^{s} fast.

	359	59	60
	309	55	30
Meridi. Alt.	50°	4'	30"

Altair

R.A $19^h - 46^m - 44^s.02$

Bull. $20 - 20 - 23.58$

	359	59	60.00
	20	20	23.58
Transit	339	39	36.42

Chro. 1^d 18

Watch 1 18 11

" 11^s fast

L. eq. T. of Transit 1-31-38

Corr. - 11

1-31-27

Sperid Dist. 335-37-30

339-37-30 ?

335-36-30

38.000

27.651

10.349

1-31 16.530

− 14.952

1-31 1.578

1 31 27.000

1.578

25.422

Dec. 27

Altair

Bar 30.35 Temp -28.5

Chro	1h	4m	
Watch	1	3	43
Watch slow			17 sec

Watch time Transit 1-23-19
Watch slow + 17
Chro. Time Transit 1-23-36

Meridian Alt. 359 59 60
339 37 30
Cor. Mer. Alt. 20 22 30

Dec. 28

Aldebaran

Bar. 30.10 Temp -29

Chro. 9-33
Watch 9-33-35.5
Watch fast 35.5

Watch Time Transit - 10-6-30

Alt. (331°-56') 28° 4'
Meridian Alt = 331°-57'

359	60
331	57
28	3

Vega

Dec. 29. 1916

Bar. Ther

R.A. 18° 34' 7".694

	359	59	60
Alt.	50	3	50
	309	56	10

Chro	11	41	
Watch	11	42	8
Watch fast		1m	8s

Chro	1	24	
Watch	1	25	7.5

	359	59	60
	339	37	30
	20	22	30

1 19 50

36-54

9-45

Chro ~~9-43-30~~

Walch 9-46-17

10-3-20

359	59	60
331	56	30
28	3	30

Dec 30

Allair

Chro	1	59	60
Walch	1	00	39
		5^	21

	1	1	00
	1	00	39
Walch slow			21[5]

1[2]		14	28
359		59	60
339		37	30
	20	22	30

Markab

359 59 60

333 - 33 - 59.6

23 26 1

Chro 4-27 00.00

Watch 4-27-11.5

Dec 31, 1916

Alpheratz

R.A. 00 4m 5.s642

dec. 319 - 40 - 34.01

Chro 5 - 23

Watch 5 - 23 - 12

Watch Time Gran. 5-30-59

---

359 59 60

319 39 ~~35~~

40 20 ~~25~~

Chro 9-48

Watch 9-48-12.5

9h 57m 8s

359 60

331 56

28 4

Dec. 31, 1916
Bételgeux

Chro	11	26	
Watch	11	26	19.5
" fast			19.5

Transit $11^h - 16^m - 19^s$

359	60	
340°	50	
19	10	

359	59	60	
340	00	50	
19	59	10	

Vega

Jan. 1, 1917.

Chro	11	25	
Watch	11	25	10

359	59	60	
50	3	50	
309°	56'	10"	

$11^h\ 45^m\ 1^s$

359	60	
309	36	
50	24	

11 - 50
11 - 50 10

Altair

Jan. 1, 1916

339 - 37 - 30 ✓

	359	59	60
Transit	339	38	
Alt.	20°	22′	

Chro. 12 38

Watch	12	38	10.5
∴ Fast			10.5

Watch Time Transit 12-56-47

Aldebaran

Jan. 1, 1916

L. S. T.

S. W. 4 - 30 - 46

359 - 59 - 60

331 - 55 - 30

Merid Alt. 28° 4′ 30″

Betelgeux

Jan. 1, 1917

359	59	60.0
19	4	3.3
340	55	56.7

K. Chro 1.0-51-

H. Watch 10 - 51 - 14.5

10 - 59 - 17

359	59	60
340°	52′	30″
19°	7′	30″

Vega

309° - 56′ - 10″

	60	
359	59	60
309	36	
alt 50	24	

R.A. 18 - 34 - 7.694
Time Jan. 18 - 34 - 15

Aldebaran

Jan 2, 1916

331 - 55 - 30

4 - 30 - 45
359 60
331 - 48
28 12

Vega

Jan 3, 1917

309 36

359	59	60
309	36	30
50	23	30

R.A. 18 - 34 7.69
S.W. 18 - 34 8.

Altair ark-shwat
Vega ark-shwat-hō-dee-wah

Arh-Shoot (altair)

Jan 3, 1917

339 38

	359	59	60
	339	37	30
Mpridalt:	20	22	30

R. A. 19-46-44.02
S. W. 19-46-4.

Markab

Jan. 3, 1917

R. A.	23	00	37.5
S. W.	23	4	50

	359	59	60
	333	-31	-30
Alt.	26	28	30

Aldebaran

Jan. 3, 1917

331 - 48

R. A. 4-31-9.358
S. W. 4-35-30

	359	59	60
J: R.	331	57	
Mpridalt.	28	2	60

Bellatrix

Jan. 3, 1917

Chro. S. 10h 13
Watch 10 13 8.5
" fast 8.55

342° 14'
359 59 60
341 58 30
18 1 30

10 - 26 - 12.0
W. fast 8.5
10 - 26 - 3.50
10 - 18 11.16x
K fast. 7m 52.348

Betelgeux

340 - 57

Chro. 10 43
Watch 10 43 8.5
" fast 8.5

10 56 8

359° 60'
340 52
19° 8'

Transit 10 56 8.0
W. fast 8.5
Chro. Transit 10 55 59.5

Vega

Jan 4.

Chro 11-17
Watch 11-17-15
∴ Fast 15^s

359 59 60
309 55 30
Ψ. alt. 50° 4' 30"

W. S. Transit 11-37-30
W. Fast 15
Chro. Mer. Transit 11-37-15

Altair

339-38

Jan. 4.

Chro
Watch
20-23-30

~~12-45-53~~
12-50
12-49 60
15
12-49-45

Markab

~~Chro 3 - 56~~
~~Watch 52 - 43~~

Chris. 3 - 52
Mr. 3 - 52 - 16

4 - 3 - 15
Watch fast 16
4 - 2 · 59

26 - 28 - 30

Aldebaran

28 46

4 - 35 - 20

28° 4'

Chro 9 - 40
S. Mr. 4 - 43 - 40.000
" fast 4 10.642
4 39 29.358
S.W. Hours 4 - 35 - 20

Bellatrix
17° 48 1.58

W 18° 5 fast

10 - 22 - 25

18
18° 1 22 7

Betelgeux Jan. 4

Alt. 19° 9' 00

W. Sine Transit — 10 52 17
W. Fast 18
K. Chro. Sine 10 51 59

Vega Jan. 5.

50° 4 30
Meridian 50 25

W. S. Transit - 11 33 45
W. Fast - 24.5
K. Sine Transit 11-33-21

Altair Jan. 5.

20° 22
Alt. 90 23 30

W. S. Transit 0 46 10.0
W. Fast — 24.5
K. Sine Trans. 45 45 5

Markab Jan. 5.

26-28-30
Alt. 26-29

W. S. Trans. 3 59 30.0
Walch Fast - 25.5
K. Sine Trans. 3 59 95

Aldebaran Jan. 5

28° 3
28° 3
W. Fast - 28.5

9-29-7.0
28.5
9-28-385

Capella

Jan 5.

57 38

W. J. J.
W. F. — 28.5

Bellatrix

W. J. J. 10 18 — 30.0
W. F. — 28.5
10 18 1.5

Alt. 18° 1' 30"

Vega

50 4 30 Jan. 4. 1917
50 25 30
11 — 24 45
Chro 10 13
Watch 10 14 2
W. Fast

Altair

Jan. 4, 1917

20 23 30

W. J. J
W. Slow — 24.5
K. Transit

Markab

Jan. 8, 1917

26° 28' 30"

26° 29'
W. J. Transit 3 — 46 — 44
W. ~~Fast~~ S 8.5
K. Transit — 3 — 46 — 52.5

Jan. 8

Vega

Chro	11	8	
W.	11	7	50
W. Slow			10

11	20	58
		10
11	21	8
50	23	30

Altair

Jan. 8.

20-23-30

W. S. Transit	0	33	20
W. Slow			10^s
F. Sine Scan		33	30

E. Cygni

R.A 20 42 51.169

alt. 45° 19' 31"

B Delphini

alt. 25-58-55.61

26° 3'

R.A 20-33-39.45

1	20	11
		10
1	20	21

Markab

Jan. 8.

Aldebaran

Jan. 8

28° 3

Alt. 28 4 30

W. S. T. 9 16 26.0
W. S. 4.5
K. Transit 9 16 30.5

Bellatrix

Jan. 8

18 1 30

W. S. T. 10 5 52
W. S 4s
10 5 56

Alt. 18°

Betelgeux

Jan. 8.

W. S. T 10 35 46.
W. S 3.5
K. Transit 10-35-49 5

Alt- 19° 8'

α Vegae

350 - 25 Jan. 9

W. J. J. 11 16 38
W. J. 4.5
11 16 34

11 16 38

50 - 25 - 30

50 21 - 30

50 22

α Altair

20 - 23 30 Jan. 9, 1917
20 - 23 - 30

W. J. J 0 30 1
W. H 13
29 48

β Delphini

26
26 - 2

W. J. J 1 16 50.0
W. Fark 13.5
1 16 36.5

α Delphini

27 19 Jan. 9.
27 21

W. J. J 1 18 56.0
W. Fark 13.5
1 18 42.5

δ Delphini

26 28
26 30 30
1 22 45.0
13.5
31.5

Markab

~~26 29~~

26 30

3 43 23

W. ℏ. 13ˢ.5

β Andromedae

Dec. 35 - 10 - 50

alt 46 - 52 - 50

R.A 1 - 5 - 4.7616

W. ☉ ☽ 5 47 35

W ℏ. 15ˢ

5 47 20

46 - 53 - 30

τ Piscium

R.A 1 - 7 - 5.0904

Dec. 29 38 57.554

alt. 41 20 - 7 - 54

W. ☉ ☽

W

α Trianguli

R.A 1 - 48 - 20.7448

d. 29 - 10 - 40.12

alt. 40 - 52 - 40.12

W. ☉ ☽

W. ℏ.

40° 54'

β Arietis

R.A 1 - 50 - 3.0566

d 20 - 24 - 10.044

32 6

W. 15ˢ ℏ alt

6 - 32 - 25

Alt 32° 8'

41 Arietis 3.7

Jan. 9, 1917

R.A. 2-45-5.6316

Dec. 26-55-9.162

Alt. 38-37-9.16

W. ∂. ∂

W. ∂. 15.35

alt

η Tauri (Alcyone) 3

R.A. 3-42-32.8422

Dec. 23-50-57.726

alt. 35-32-57.726

W. ∂. ∂

W. ∂

ξ Persei 2.9

R.A. 3-48-54.6362

Dec. 31-37-57.7192

alt. 43-19

W. ∂. ∂

W. ∂

Aldebaran

Jan. 9, 1917.

28° 3

W. J. J. 9 13 8,
W. S + 13 41,5
9 26 49,5

28 5 30

I Tauri

R. A. 4 - 37 - 15.692
Dec. 22 - 47 - 55.352
11 42
34 29

W. J. J
W. S.

τ Aurigae

R. A. 4 - 51 - 35.1556
Dec. 33 - 2 - 7.91
corr. 44 - 44

W. J. J. 9 - 33 - 35
W. S. 13 41
9 47 16
9 - 33 44-43-30

τ Tauri

R. A. 4 - 58 - 8
Dec. 21 - 28 - 20.444
11 42
corr. 33 10

W. J. J 9 - 40 - 5
W. S. 13 41
9 53 46
33-11-30

Betelgeux

Jan. 9

19° 8

W. T. T. 10 32 28
W. S 13 40
10 46 8

alt. 19° 8'

19 - 7 - 30

O. Herculis

alt. 40 - 27
40 - 28

10 - 44
13 36.4
B. Sirius 10 57 31.4

---

110. Herculis

alt. ~~32° 9'~~
32 10 30
R.A. 18 - 42 - 5.32

W. T. T. 11 21 43
W. Slow 13 36.5
11 35 19 5

Altair

20 - 23 - 30
20 - 23 - 30
W. T. T. 0 26 15.0
W. 7 25.5
25 49 5

r Pegasi

alt 34° 8

April 14 - 43 - Sirius

alt. 36 - 56

Canis

43 47

W. S. S. 12 17 5

W. W. 25.5

alt- 43 47

---

a Ursae

24 - 19

W. S. S

W

μ Herculis 26

39 - 28

W. S. S 10 25 34

W W- 33°

10 25 1

alt. 39 - 29

θ Herculis 36

38 - 59

---

10 25 0 1 0

14 54.5

16 - 10 - 46.5

11 - 6 - 47.923

ζ Aquilae

R.A. 19-1-36

26-39

W. 3. 3

W. 4 35

θ Syrae

19-13-29, 1916

49-41

W. 3. 3.

W

β Cygni

19-27-22.42

39-29

Altair 46-44

20-23-30 Jan. 14, 1917

W. 3. 3	0	19	50
W. 4			35 s
Chro. Transit		19	15

20-23-30

3 Piscium

Alt- 41 - 20

W. S. S.
Vr. S ——— 10°

---

a Trianguli

41 - 2 - 40
R.A. 1 - 48 - 20

B. Arietis

32 - 6.
R.A 1 - 50 - 3.05

ι Aurigae

R.A 4 - 51 - 35.1556
Alt. 43 - 44

46 - 19

ι Tauri

R.A 4 - 58 - 8
Alt. 33 - 10

Betelgeux

R.A 5 - 50 - 40.68
Alt 19° 8'

W. S. S. 10 - 13 - 36
Vr. S + 5
Bond. 10 - 13 - 41

Pollux Jan. 15
(2)

R.A 7-40-14.369
dec. 39-55

W.S.S. 12 3 38
W.S. 5^S
12 3 43

39 56

---

109 Herculis
R.A 18-20-9
dec. 33-25

W.S.S. 10-41-33
W.S.+ 3
Bond 10-41-36
33-26-30

W.S.S. 10-41-33
W.S.- 14 38
K. Sawai. 10 26 55

θ Lyrae
R.A 19-13-29.1916
dec 49-41

W.S.S. 11-35-24
W.S. 3.5
11-35 27.5

β Cygni
R.A 19-27-22.4258
dec 34-29

Altair

26 - 23 - 30

R. A 19 - 46 - 44

W. S. S 11[s] - 56

W 55 41

W. S 19[s]

0 3[m] 19

19

0 3[m] 38

20[0] 25'

Aldebaran

Alt: 28 - 5 - 30

W. S. S 8 - 46 37

W. S + 17.5

8 - 46 - 54.5

28 - 3

Aldebaran

28° 4'

W. S. S. 8 - 39 - 32.0

W. T. 27.5

8 39 4.5

28 - 3 - 30

Bellatrix

28 - 1 - 30

W. S. S. 9 - 28 - 27.0

W. T 27.5

9 - 27 - 59.5

28 - 1 - 30

Aldebaran

W. S. S 8 - 32 - 2

W. T. -46

B. Transit - 8 - 31 - 16

Obs. Alt. 28° 4

Watch 34.5 fast

7-52-17.0
34.5
7-52-51.5

4-31-9.358

Feb. 6 6.5

Bond 6-22
Watch 6-22-6.5
6
6-31-21
8-44-15

6-31-15
8-44-9

2 | 14-75-2#

Bond Transit. 7h-37m-12s

Aldebaran

8h-13m-18s

Clue
Watch # 23.5 fast

7-14-58
30
Transit 7-14-28

9-17-40
30
Transit 9-17 10

Bell

April 19, 1917

Obs. alt. ☉ 23° 9'
S. D. - 15 56.96
22° 53' 3".04
P. & R. - 2 17
alt. 22 50 46.04

P. & R. - 2' 7"
Temp. +7 11
Bar. 30.5 - 1
Corr. - 2' 17

Dec 11° 3' 39".8
Long. Corr. 4 11.6
Corr. Dec. 11° 7' 51".4

H. D. 52"
Long 4.84
208
416
208
60 | 251.68
4' 11".6

Z 67 9 14
d 11 7 51.4
L 78 17 5 4

April 22, 1917
8-11-38 ☉ 17° 26' 30
W. Fast 10.5
Temp. + 3.2 F
Bar. 30
4-17-15 ☉ 17-26-30
W. 11.5 Fast
~~at 4-21-10 Bearing~~
at 4-23-10 Bear 10° 39' W

Sun B 6° 30 E at 4h 37
W. 11.5 Fast of Bond

April 22, 1917

Time Sights

⊙

6-22-28	11° 20' 30"
6-24-12	11° 15'
6-26	11 9 30
6-27-15	11-6
6-28-40	11-2

B 20° 24' E

May 28, 1917

Equal Altitudes

Bond 10h 4m 6s

Watch Mor. 9 55 50.5

Watch slow 9 9.5

Time	Obs. Alt. ⊙	
10h 0 55s	31° 7' 30"	2-6
10 2 55	31 10'	2-4-45
10 5 20	31 15	2-1-53
10 8 40	31 20	1-58-43

Bond 2-18

Watch Mor. 2 8 52

Watch slow 9m 8s

D.B. MacMillan
American Museum

			Dr to
			$50 00
Nov. 30	Bowditch Nav.	2.25	
" "	Nautical Almanac	50	
" "		50	
		3.25	3 25
			46 75
	Thermometer		36
			46 39

Apr. 20. 1917

Double Altitude
at $10^h\ 19^m\ 45$ $21°\ 26'\ 30''$

Watch 10^s fast

Merid. Alt. $23°\ 28'$
Temp + 5.5 F.
Bar. 30.15

at $2^h\ 8^m\ 50^s$ $21°\ 26'\ 30''$

W. 11 s fast
Temp

Panorama from Cape
Alexander to Sunrise Point
~~HH~~ Color Screen 1 sec - 45
HH1 - HH2 - (KK1 - KK2) wide
G. G1 - GG2 - YY1. YY2
Underexposed

Old camera
Single Lens
Bomp color screen
3 sec on smallest stop
Good Panorama

Good Sonntag Monument
AA1 Dogs right 25/8
AA2 " " 25/11
Bomp Color screen

Hayes Winter Quarters
Own color screen
10/16
DD2

First 4 sec on 45
Own filter
DD1

C

Arkhio

100 - 8

d

~~100 - 11~~

A

E. Tooh-ah-Chin

50 - 8

B

50 - 11

E

Bear

100-11 B 6 Pl. ea.

G

Bear

100-11 B 6 Pl. ea.

J.

Nucar-Jung-wah

50 - 11

I

Nucar-Jung-wah

50 - 16

Bright Sun

June 5 - 30 P. M.

July 20 Th
Monday

Ee. tosh ah. choo Tobacco
Jimmie "

July 22 Wednesday

Arbis Tobacco
Al-nay ah "
al-ning-wah
ah-ning-yah "

July 23 Thursday

Ee. tosh-ah-choo Tobacco

No 1 27
No 1A 27
" 2 27
" III 27
" 8 27

Pelures
No 1 Feb 24 Sun 50-16

Standing 1/5 wide
Filling 1/2 — 11
" 1/5 — 8

Due No. 198 My walets Dif
14 11-48 11-48-35 35+

Tobacco
July 5th

Arlslio 1 Plug-1m.
Ee-troh-ah-chne 1 Plug-1m.

July 6th

Ee-troh-ah-chwo	4 Plugs	2 m
Oo-bloo-yah	" "	" "
New-carfuig-wah	" "	" "
Ab-ford-ah-chah.o	" "	" "

Ee-troh-ah-chwo
2 boxes carlridges 35

Oo-bloo-yah
2 boxes 35
1 box 22

New-carfuig-wah
2 boxes 35

Al-nay-ah
1 Plug Tobacco

July 19th

Sunday
Alnayah Tobacco
Oo bloo-yah "
New-car-fuig-wah "
Ab-ford-ah-chah.o "

Tuesday July 21st
Tobacco New-car-fuig-wah

Chronometer Comparisons

Dec.	No. 198	No 546	Dif
11	4-38	4-19-20.5	
12	10-48	10-34-5.5	
13	11-56	11-36-53.5	
14	11-31	11-11-44.5	

Dec	No 198	No 270
11	4-39	4-18-45.5
12	10-49	10-28-37.5
13	11-57	11-36-32
14	11-34	11-13-27

Dec.	Chro S	W A	Dif
13	12-49	12-49-6	6 +
14	11-56	11-56-3.5	3.5+

Dec.	S	C	Dif
13	12-46	12-46-33.5	33.5 +
14	11-53	11-53-34	34

Oct. 17, 1915
Graflex No 1
655-16-15

Dec. 9, 1916
Chro.
Watch

Alt. Altair 20° 20' 14".2
4 44.
Alt. 20° 24' 58".2

---

359 60
339 35
20 1 5

Alt Altair	20	15	
P + R		2	49
True Alt.	20	12	11
Z	69	47	49
	8	38	44.2
Latitude	78°	26'	33".2

Dec	Colors S	WD 13	Dif S
13	12-33	12-32-55	-5
14			
15			
16			
17			
18			

200 – 32 – 15 min

~~1~~

~~1-15~~

~~1-30~~

~~1-45~~

2

2-15

2-30

2-45

WD 2 Grafert

400-16 – 15 min

~~1~~

~~1-15~~

~~1-30~~

~~1-45~~

~~2~~

~~2-15~~

~~2-30~~

WD 4 - Grafert

825-16-15

2-30

Dec	Chro S	Uo 12	Dif
13	12-30	12-31-5	5+
14	11-44	11-47-49	
15	11-45	11-48-40	
16			

Uo 1 Graflex

10-50 ✓ Misty-
11-10 ✓ drizzle
11-30 ✓ Morning
11-50 ✓
12-10 ✓

12-30
12-50

Oct. 2nd 490-16

~~9-30~~
~~9-45~~
~~10~~
~~10-15~~
~~10-30~~
~~10-45~~ 490-16
~~11~~
~~11-15~~
~~11-30~~
~~11-45~~
~~12~~

~~12~~

Sun
Uo-11
Point
Lee 32-

Green S
25-16 11 home

Green H
30-11

200-~~32~~ 11
~~11~~ 1
~~11-15~~
~~11-30~~
~~11-45~~
~~12~~
~~12-15~~
~~12-30~~
~~12-45~~

Dec	Obs. s	Co 11	Dif s
13	12-28	12-27-54.5	5.5 -
14	11-43	11-46-40	

Frederick Patterson
Nat. Cash Register Co
Toronto Canada

Dec	Olivos	Leo	Def.
	S	S	S
13	12-26	12-26-25	25 +
14	11-40	11-40-19	19 +
15			
16			
17			
18			
19			
20			

Dec	Clero. 5	Leo 7	Dif
13	12-23	12-23-14	14 +
14	11-39	11-39-14.5	
15			
16			
17			
18			
19			

Ac. Rec. from
April 16 th

1 Gr. dash glasses
4 small boxes matches
1 can dog biscuit
1 can oil
1 bag tea large
1 " coffee
1 " oatmeal
2 bags tobacco

2 jugs tobacco
2 jugs tobacco

Crocker Land Expedition
Dr. To

D.B. MacMillan, for
Box Magic 17 26
" Books Washington 5 00
Books Cadmus Store 10 00
Parcel Post cuts 27

Crocker Land Expedition
Brooklyn Navy Yard
Building 41
c/o Ensign Green

Clipping Bureau
Frankfort 4735
Mr. Halk

Sunday, Dec. 13th

~~S 6 Dif~~

Dec.	Aero 3	6	Dif
13	12-20	12-20-29.5	29.5 +
14	11-38	11-38-26	26
15			
16			
17			

Sewing Machine

Matthew Henson
123 West 135th St.

Higgins
Naval Hospital N.Y.

Barkman
"U.S. Delaware
Brooklyn Navy Yard

Notice in
Army & Navy Journal
20 Vesey St.
Army & Navy Register
Washington D.C.

Bellman Brown
Del Columbus
1123
address 27 W 67

Edward Carson
Prospect 6210 - J.

Stoves

One doz. Standard Oil Stoves. One doz. extra Burners. One doz. extra Tops.

The Aluminum Cooking Utensil Cooking Co
New Kensington, Pa.

36 Pots—

Brooks Brothers
1372 Mass. Ave
Cambridge, Mass
Make 24 Stoves
T. H. Clark—
Jacob Ree-benacker

Dr. Manton Copeland
Bowdoin College
Brunswick, Maine

Krauch—
53 Fairfield Ave.
Medford
Mass

Mauricher
Vonderlehr & Wetmold
200—5th Ave

Arbuckle Bros. Brand 6910

Insurance

Atlantic Mutual
Mr Raven

Diana 1899

Walton & Co
Mr Parsons
49 Wall St

Roosevelt

Army Foods

Gen. Henry G. Sharp
War Dept.
Washington, D.C.

Chopping Knives

Open Fire Place

E. G. Burroughs
Billiard Table

Pemmican

Meat	53,15
Suet	31.2
Raisins	9.4
Sugar	6.25
	100.00

April 15 - 20

Pack.

The Brooklyn Warehouse & Storage Co.
335-355 Schermerhorn St.

Mr. H. Wayne, Mgr

Brooklyn, N.Y.

Document
8 Drums aft
32 tanks for'ard
10 boats
boat ?
3 boats 1 large 2 small

Prof. George W. Prévé
Tel. Cambridge 1073
House: 4624-W

Ensign C. H. Maddox

Transit Box
16 X 10½ X 7½

Chas. Hamilton-Maddox
19 Drayton Hall
Tel
Camb. 22419

Lieut M. B. Humphrey
Uncle Leland

Boston Navy Yard

Major Symptoms of
Hysteria
Pierre Janet

E. S. Burrows Co
267 Fore Street
Portland, Maine

Billiard Tables

Norman D Guardia
London
Camera

Wheels and axels

Electricity
E. P. Edwards

Greece
Apr. 1-20 Carnegie Institute
May 1-21 Schenectady
21-30 Orleans Missouri
30 New York

Sole Leather
Awls
Thread
Wax
Deer Skins
Wolf Skins
Hoofs

Louis Young Toys
96 Cornhill

Stuffed Birds
Causeway St.

Gloves order

Parker Bros. & Co
Littleton, N. H.

18 Gas. 3640 @ 13.50
18 " 3633 @ 13.50
12 " 3632 @ 12
12 " 3663 @ 9
24 " 3660 @ 4.50

Railroad Lanterns

John H. Parker Co
25 James Street
Malden, Mass.
Arctic Locks

○ Eatables
○ " Green Dehydrated
○ " Blue Meats
⑥ Canned Fruits
⑦ Field Equipment
[7] Household
◆ Engineers
⊙ Cereals
✕ Field Equipment
(Sanitaries
⊕

Household ▭

Fire Extinguishers
Sewing Machine
Fire Extinguishers
Oakum
Rake handles or something suitable for harpoons and mates for sledges.
Record cards with following written in English, German, French Danish ~~Norwegian~~ Finish
to Please forward to American Museum of Natural History with date of finding, time and place.
Fire works
Glycerine soaps
Emery Stone

AM67.114b