

### Observations of Comet 1910 b (Metcalf)

made at Newton Observatory, Allegheny College, Meadville, Pa., by *Charles F. Ling*.

The following observations were made with the Carter Micrometer on the nine-inch equatorial. The right ascensions are chronographic, and the bisections for the declination determinations were made while the objects were drifting through the field.

1910	Meadv. M.T.	$\Delta\alpha$	$\Delta\delta$	Cp.	$\alpha$ app.	$\log p/A$	$\delta$ app.	$\log p/A$	Red. ad l. app.	*
Aug. 19	10 <sup>h</sup> 39 <sup>m</sup> 43 <sup>s</sup>	+1 <sup>m</sup> 5 <sup>s</sup> .48	- 2' 37".4	10,6	15 <sup>h</sup> 53 <sup>m</sup> 24 <sup>s</sup> .40	9.629	+15° 54' 42".5	0.696	+1 <sup>s</sup> .21 +2".8	1
20	9 38 45	-2 56.23	- 3 7.4	15,6	15 51 51.09	9.574	+16 1 13.8	0.659	+1.20 +2.9	2
27	8 53 15	-4 26.82	+ 3 30.9	20,6	15 42 38.09	9.564	+16 28 8.9	0.649	+1.04 +3.1	3
27	9 14 28	-6 51.66	+ 7 35.8	20,6	15 42 37.01	9.591	+16 28 10.9	0.671	+1.05 +3.1	4
Sept. 2	9 12 31	-1 12.04	+ 3 38.2	20,6	15 36 43.79	9.620	+16 46 53.8	0.679	+0.91 +2.8	5
9	9 17 39	+0 14.60	-	10,-	15 31 48.12	9.647	-	-	+0.74 -	6
10	8 6 47	+1 29.53	-18 53.7	20,4	15 31 16.61	9.591	+17 7 35.8	0.656	+0.70 +2.6	7
14	7 56 0	-4 34.97	-15 31.0	20,6	15 29 21.69	9.600	+17 16 58.2	0.661	+0.70 +2.5	8
21	7 26 37	+0 24.29	-11 6.8	20,6	15 27 7.09	9.601	+17 33 44.1	0.658	+0.54 +1.8	9
22	8 23 40	-0 15.37	- 0 54.8	20,4	15 26 52.45	9.649	+17 36 13.6	0.701	+0.52 +1.6	10
28	7 30 59	-0 43.08	- 3 27.8	20,6	15 26 1.59	9.632	+17 51 47.6	0.677	+0.48 +1.0	11
29	7 17 12	+2 42.11	- 2 12.9	20,6	15 25 57.45	9.624	+17 54 36.1	0.672	+0.45 +0.8	12
29	7 35 4	+3 10.02	- 7 43.5	20,6	15 25 56.63	9.638	+17 54 39.3	0.686	+0.45 +0.8	13
30	8 34 36	+4 8.80	+ 4 27.6	20,6	15 25 54.61	9.632	+17 57 22.8	0.680	+0.43 +0.6	14
Oct. 1	8 15 47	-5 22.40	- 2 17.0	20,6	15 25 52.25	9.650	+18 0 21.5	0.721	+0.44 +0.8	15
7	8 11 46	-3 28.25	-16 26.3	20,6	15 25 58.73	9.665	+18 19 37.1	0.734	+0.35 +0.2	16

#### Mean places of the comparison stars.

*	$\alpha$ 1910.0	$\delta$ 1910.0	Authority	*	$\alpha$ 1910.0	$\delta$ 1910.0	Authority
1	15 <sup>h</sup> 52 <sup>m</sup> 17 <sup>s</sup> .71	+15° 57' 17".1	AG Berl A 5702	9	15 <sup>h</sup> 26 <sup>m</sup> 42 <sup>s</sup> .26	+17° 44' 49".1	AG Berl A 5564
2	15 54 46.12	+16 4 18.3	» 5714	10	15 27 7.30	+17 37 6.8	» 5568
3	15 47 3.87	+16 24 34.9	» 5670	11	15 26 44.19	+17 55 14.4	» 5565
4	15 49 27.62	+16 20 32.0	» 5682	12	15 23 14.89	+17 56 48.2	» 5549
5	15 37 54.92	+16 43 12.8	» 5620	13	15 22 46.16	+18 2 22.0	» 5546
6	15 31 32.78	+17 11 42.8	» 5587	14	15 21 45.38	+17 52 54.6	» 5537
7	15 29 46.38	+17 26 26.9	» 5581	15	15 31 14.21	+18 2 37.7	» 5584
8	15 33 55.96	+17 32 26.7	» 5600	16	15 29 26.63	+18 36 3.2	» 5580

Allegheny College, Meadville, Pa., 1911 February 21.

### The longitude of the Red Spot on Jupiter.

In June last year the zero meridian of system II practically passed through the centre of the hollow in which the Red Spot lies.

I have obtained the following observations during the present apparition (Greenw. m. t.):

1911	Hollow		Following »Shoulder«		1911	Hollow		Following »Shoulder«	
	Time of transit over c. m.	Longitude	Time of transit over c. m.	Longitude		Time of transit over c. m.	Longitude	Time of transit over c. m.	Longitude
Febr. 19	-	-	15 <sup>h</sup> 31 <sup>m</sup>	349°9	April 14	-	-	9 <sup>h</sup> 55 <sup>m</sup>	346°8
April 11	-	-	12 26	346.9	16	11 <sup>h</sup> 6 <sup>m</sup>	330°5	11 34	347.5
13	13 <sup>h</sup> 40 <sup>m</sup>	332°4	14 4	346.9					

These figures show that the longitude has diminished by approximately 30° in the unprecedentedly short time of 10 months.

Ashtead, Surrey, 1911 April 18.

*Theodore E. R. Phillips.*

Inhalt zu Nr. 4498. *H. Samter*. Über die allgemeinen Störungen des Planeten (433) Eros. 153. — *S. W. Burnham*. Comparison Stars for Halley's Comet. 181. — *Ch. F. Ling*. Observations of Comet 1910 b (Metcalf). 183. — *T. E. R. Phillips*. The longitude of the Red Spot on Jupiter. 183.