

New Planetary Nebula.

During my measures of the diameter of Ceres in the past summer with the 36 in. I came across a planetary nebula not in the catalogues.

It is round, slightly ill defined, of uniform brightness with no central star.

The measured diameter of this object was 13".6. I should class it as being of the 13th magnitude.

On August 19th I measured the position angle and distance of a small star from the nebula.

Position angle of star 31°6
Distance 33".46

The star was about 13^m — considerably brighter than the nebula. It (the star) has a faint star close north and one south.

The position of this nebula for 1860.0 is

$$\alpha = 17^h 54^m 34^s$$

$$\delta = -27^\circ 6' 9''$$

Mount Hamilton, Cal., 1895 Sept. 6.

E. E. Barnard.

Beobachtungen des Cometen 1895... (Swift Aug. 20)

am 10¹/₂ zöll. Refractor der Sternwarte in München von W. Villiger.

1895	M. Z. Münch.	$\Delta\alpha$	$\Delta\delta$	Vgl.	α app.	$\log p.\Delta$	δ app.	$\log p.\Delta$	Red. ad l. app.	*
Sept. 21	13 ^h 20 ^m 9 ^s	-1 ^m 58 ^s 57	+ 0' 14".7	18.6	1 ^h 18 ^m 39 ^s 88	7.826	+5° 23' 34".9	0.775	+3 ^s 69 +26".2	1
21	14 38 1	-1 56.79	- 0 7.7	18.7	1 18 41.66	9.130	+5 23 12.5	0.779	+3.69 +26.2	1
22	11 0 58	-1 19.61	- 3 58.5	22.8	1 19 18.85	9.339 _n	+5 19 21.8	0.783	+3.70 +26.3	1
22	12 46 3	-1 16.93	- 4 14.1	24.8	1 19 21.54	8.695 _n	+5 19 6.2	0.777	+3.71 +26.3	1
23	10 46 9	-0 57.85	+ 8 29.5	24.8	1 19 58.65	9.370 _n	+5 14 50.8	0.786	+3.72 +26.4	2
23	13 18 11	-0 54.91	+ 8 4.8	18.6	1 20 1.59	8.148	+5 14 26.1	0.779	+3.72 +26.4	2
24	10 27 9	-0 21.50	+ 4 4.2	24.16	1 20 35.01	9.405 _n	+5 10 25.5	0.788	+3.73 +26.4	2
24	12 13 5	-0 19.68	+ 3 38.0	24.16	1 20 36.83	8.966 _n	+5 9 59.3	0.780	+3.73 +26.4	2
25	10 23 32	-0 59.68	+ 7 43.7	23.8	1 21 16.86	9.408 _n	+5 5 28.0	0.782	+3.75 +26.5	3
25	13 16 29	-0 55.90	+ 7 17.3	24.8	1 21 20.64	8.357	+5 5 1.6	0.780	+3.75 +26.5	3
27	13 17 6	+1 17.61	-10 41.1	24.9	1 22 14.17	8.582	+4 55 40.4	0.779	+3.78 +26.6	2
28	12 45 3	+0 24.44	+ 1 54.9	24.8	1 22 40.92	8.078	+4 51 4.4	0.781	+3.79 +26.7	4
29	14 12 11	+0 50.57	- 3 5.0	30.10	1 23 7.16	9.152	+4 46 4.6	0.784	+3.80 +26.8	4
30	15 51 38	-0 51.42	+ 3 17.3	30.10	1 23 31.69	9.456	+4 41 12.2	0.793	+3.81 +26.9	5

Mittlere Oerter der Vergleichsterne für 1895.0.

*	α	δ	Autorität	*	α	δ	Autorität
1	1 ^h 20 ^m 34 ^s 76	+5° 22' 54".0	Anschluss an BD. +5° 28' 9"	4	1 ^h 22 ^m 12 ^s 79	+4° 48' 42".8	AG. Albany
2	1 20 52.78	+5 5 54.9	AG. Albany	5	1 24 19.30	+4 37 28.0	BB. VI
3	1 22 5.27	+4 57 17.8	AG. Albany				

Beobachtungen des Cometen 1895... (Swift Aug. 20)

am 18 z. Refractor der Kais. Universitätssternwarte in Strassburg i. E. von H. Kobold.

1895	M. Z. Strassb.	$\Delta\alpha$	$\Delta\delta$	Vgl.	α app.	$\log p.\Delta$	δ app.	$\log p.\Delta$	Red. ad l. app.	*
Aug. 28	11 ^h 15 ^m 39 ^s	-2 ^m 13 ^s 64	- 2' 22".2	20.8	0 ^h 45 ^m 4 ^s 35	9.447 _n	+6° 3' 41".3	0.788	+3 ^s 33 +23".1	1
29	11 45 2	-0 8.10	- 0 11.0	20.8	0 47 9.91	9.381 _n	+6 5 52.7	0.784	+3.35 +23.3	1
Sept. 16	9 40 28	-5 18.30	+ 1 33.2	20.8	1 14 16.36	9.525 _n	+5 44 41.0	0.799	+3.61 +25.7	2
18	11 53 46	+1 52.98	- 0 27.3	20.8	1 16 13.85	9.186 _n	+5 36 34.5	0.781	+3.65 +25.8	3
19	11 55 13	+2 44.15	- 4 35.8	20.8	1 17 5.04	9.166 _n	+5 32 26.2	0.782	+3.67 +26.0	3
20	12 25 1	-5 33.34	+ 1 24.8	20.8	1 17 53.98	8.966 _n	+5 28 4.5	0.780	+3.67 +26.1	4
24	12 8 30	+2 22.07	+ 3 43.6	20.8	1 20 37.93	8.992 _n	+5 10 2.8	0.783	+3.74 +26.4	5
25	11 48 21	+0 15.62	- 0 55.0	25.10	1 21 12.15	9.100 _n	+5 5 27.1	0.784	+3.75 +26.5	6
27	11 38 22	+2 28.14	+ 1 6.2	20.8	1 22 13.46	9.111 _n	+4 56 1.5	0.787	+3.78 +26.6	7
Oct. 15	11 0 33	-0 39.42	+ 0 6.8	20.8	1 26 29.29	8.922 _n	+3 43 10.5	0.794	+3.96 +27.3	8