

NEW NEBULÆ.

By A. AINSLIE COMMON.

I give below the approximate places of some new nebule found in 1880 with the 36-inch reflector. Some of them seem worth re-examination, which might be done now, as they are conveniently placed. The positions are obtained from the circles of the instrument, but may be near enough for identification. Almost in every case the objects have been seen on more than one night.

No.	R.A.	Dec.	Remarks.
<u>Neb</u> 343 1	10 ^h 4 ^m 10 ^s	- 12° 4'	S, F, just south of G. C. 2023, and possibly the p one alluded to but not given.
3285 2	10 26 30	- 11 53	F double neb with 2 stellar centres.
3322 3	10 32 47	- 10 45	F, irregular shape, f star.
3360 4	10 38 32	- 10 48	A F pair, f one brighter.
3388 5	10 42 +	+ 9 14	F, R.
3402 6	10 44 11	- 12 2	F, R.
3404 7	10 44 17	- 11 14	p B, very long, Pos. 270°.
3421 8	10 44 57	- 11 35	2, F, R.
3424 9	10 45 17	+ 9 54	p F, R.
3452 10	10 47 45	- 10 43	e F, R, n of S star.
3480 11	10 52 37	+ 10 0	S, stellar.
Neb 3490 12	10 54 +	+ 9 59	v F, S.
3557 13	11 2 25	- 9 38	2 stars inv in haze, Pos. 160°.
3541 14	11 2 41	- 10 6	Nebulous star, B centre.
4552 = 4551 ² 3546 15	11 14 35	- 9 37	2 planetary nebulae, B star between.
3663 16	11 17 49	- 11 24	e F, fan-shaped, star close.
H 131 = 3672 17	11 19 5	- 9 11	p B, L, b31, E 180°.
= 3704 18	11 23 57	- 10 40	2, F, R, on the parallel, star symmetrically placed between.
3723 19	11 26 33	- 9 17	F, S, R.
3723 20	11 28 15	- 9 11	F, R, a cluster of 3 similar ones 15' n.
3763 21	11 30 37	- 9 12	F, diffused, sp 7 stars.
3775 22	11 32 25	- 10 0	p B to a Nucl; another 5' nf, ee F.
3865 = 3775 23	11 39 5	- 8 33	F, p L, dif, another sf not so L.
3905 24	11 43 15	- 9 6	F, L, diffused.
4240 25	12 11 25	- 9 17	Like a pair of stars 90°; the f one is a neb.*
7528 26	23 7 52	+ 9 35	F, S.
7544 27	23 12 24	+ 9 33	F, R, f 3 stars in a line 90° pointing to another fainter neb s.
7595 28	23 12 28	- 9 16	F, stellar.
7611 29	23 12 43	+ 8 37	p B, diffused. Found in looking for Faye's comet.
7610 30	23 13 28	+ 9 30	F, S, diffused.
7616 31	23 13 56	+ 9 29	p F, diffused.
7650 32	23 15	+ 10 47	F, S neb exactly similar to Faye's comet as seen some 15' f; on Aug. 8 the comet had moved much closer and a fair comparison could be made, as they were in the same field. The comet (nf the neb) was 1bM. There are 2 similar nebulae within 30' sf No. 32.

* Evidently identical with a F neb. f * 14^m and 50^f f, 4' n of B.W. 128, 133. Found by Tempel in 1876, A.N. 2212.—J. L. E. D.