

ART. XLI.—Observations of Bright Meteors; by EDWIN F. SAWYER.

THE following short list of meteors, equal to or exceeding first magnitude stars in brightness, have lately been recorded by me during some regular period of watching, at Cambridge, Mass. The times of apparition may be considered as accurate to within half a minute. The list is given for publication in hope that other observers may have recorded some of them, in which case interesting and valuable results can be deduced.

No. 14 was also seen and mapped by Mr. S. C. Chandler, Jr., at Marlboro, N. H., further particulars of which, together with the results deduced from others doubly observed by Mr. Chandler and the writer during the last of August, will be given in a future communication.

No.	Date. 1878.	Mean time.	Magnitude.	Observed path.				Length of path.	Remarks.
				From		to			
				R. A.	Dec.	R. A.	Dec.		
1	July 22	10 5	1	305	+58	313	+69	11+	Rapid; blue.
2	July 23	9 21	1	306	+45	312	+42	6	Quite slow; across α Cygni.
3	July 23	10 4	1	315	+9	318	-1	10	Rapid.
4	July 23	10 28	1	283	+15	286	+11	5	Slow; across ϵ and ζ Aquilæ.
5	July 27	9 55	1	256	+56	252	+38	18	Rapid; probably a Perseid.
6	July 28	9 7	= δ	332	+56	6	+51	21	Deep red, red streak, 3 sec.
7	July 28	10 21	1	339	+33	347	+30	9	Rapid.
8	July 28	10 28	>1	346	+13	356	+32	23+	Not wholly visible; quite slow.
9	Aug. 3	9 49	1	340	+24	344	+33	10	Between η and β Pegasi, quite rapid.
10	Aug. 3	11 22	1	19	+30	22	+47	17	Slow; between β and γ Andromedæ.
11	Aug. 3	11 27	1	47	+55	50	+55	3	Rapid; a Perseid; from γ Persei.
12	Aug. 20	8 32	1	155	+72½	137½	+70	5	Slow.
13	Aug. 22	8 59	1	185	+70	170	+68	6	Rapid.
14	Aug. 22	10 2	= δ	248	+63	230	+77	15	Deep orange; orange trail; 3 sec.
15	Aug. 25	8 59	1	249½	+39	250½	+27	12	Rapid; from η Herculis.
16	Aug. 27	10 4	1	263½	+48	245	+52½	15	Rather slow; an August Lyriad.
17	Aug. 27	10 19	1	245	+56	229	+58	10	Rapid; a Lyriad.
18	Aug. 29	8 46	1	187½	+45	185½	+38½	6	Rapid.
19	Aug. 30	8 52	1	257	+50	252½	+62½	13	Slow; deep orange.
20	Aug. 31	8 35	1	212	+24	202½	+26	9	Slow; near α Boötæ.
21	Sept. 1	10 8	1	236	+30	232	+22	8	Rapid; near α Coronæ.
22	Sept. 18	8 29	1	323	-15	325	-20	5	Slow; orange; orange streak.
23	Sept. 20	9 39	1	329	-2	326	-16	14	Rapid; from near α Aquarii.
24	Sept. 22	7 19	1	289	-15	295	-2	17	Rapid.
25	Sept. 22	8 33	>2f	2½	-17½	5	-22	5	Vertically; very slow; near β Ceti. deep orange; no trail; 2 sec.
26	Sept. 23	7 18	1	355½	+12½	346	-6½	15	Rapid.
27	Sept. 23	8 25	1	360	+28	10	+26	10	2 sec.; green.
28	Sept. 23	9 26	>1	42	+56	105	+65	33	Slow; visible 2 sec.; blue.
29	Sept. 27	8 10	1	341½	+16	347	+22	7	Very slow; 1.5 sec.; orange.
30	Sept. 28	9 52	1	49	+8	47	-2	10	Rapid; green.
31	Sept. 29	9 5	1	15	+3				Stationary; 1 sec.; approximate.
32	Sept. 29	9 36	1	48	+21	55	+17½	8	Rapid.