

Solar Bulletin

Publisher:

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION
540 NORTH CENTRAL AVENUE
RAMSEY, NEW JERSEY, U.S.A.



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Volume 24 Number 8

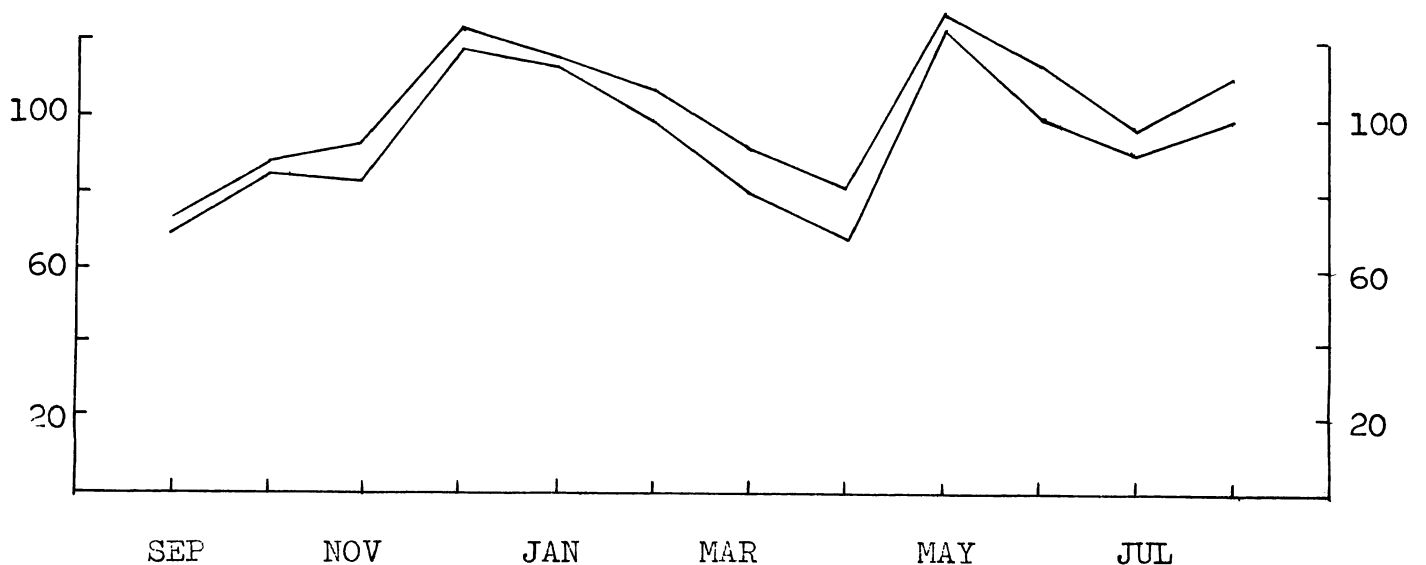
August 1968

SOLAR ACTIVITY DURING AUGUST

Many small ionospheric disturbances occurred during August. Several of these were above average intensity although none were really outstanding. The peak of activity seemed to occur on the 8th when three events were widely recorded. A reproduction of a recording of the first of these disturbances starting at 1313 UT appears at the bottom of page two. Just above it is a recording of another prominent event starting at 1330 UT on the 14th. The remaining recording on page two shows a pair of rather intense disturbances spaced only 57 minutes apart starting at 1837 UT and 1934 UT on the 21st of August. A total of 16 separate disturbances were recorded by Solar Division observers. A complete listing of all of these appears just above the recordings.

Sunspot activity increased somewhat from the previous month. The monthly mean of the American sunspot numbers for August was 99.5 compared to 90.2 in July. The highest relative number during August occurred on the 14th when 16 sunspot groups were visible on the sun's disk.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN (R_A') AND ZURICH (R_Z') RELATIVE SUNSPOT NUMBERS, AUGUST 1968

day	R _A '	R _Z '
1	91	98
2	94	91
3	88	92
4	87	94
5	82	94
6	76	95
7	104	100
8	104	113
9	91	98
10	71	90
11	100	104
12	95	116
13	135	142
14	176	178
15	174	172

August mean R_A' = 99.5

day	R _A '	R _Z '
16	161	174
17	145	160
18	116	144
19	116	122
20	118	122
21	127	138
22	128	155
23	102	126
24	96	108
25	85	86
26	68	77
27	44	67
28	45	49
29	58	64
30	47	68
31	47	63

August mean R_Z' = 110.9

SUDEN IONOSPHERIC DISTURBANCES RECORDED DURING AUGUST DAY MAX. SEA SES DEF. OBSERVERS

Day	Time	Observer
5	1452	A-21
5	1523	A-21
5	1317	A-17, 22, 21, 1
8	1445	A-22, 21, 1, 17
8	1831	A-20, 21, 1
9	1614	A-1, 21
11	1657	A-20, 21
11	2358	A-21

