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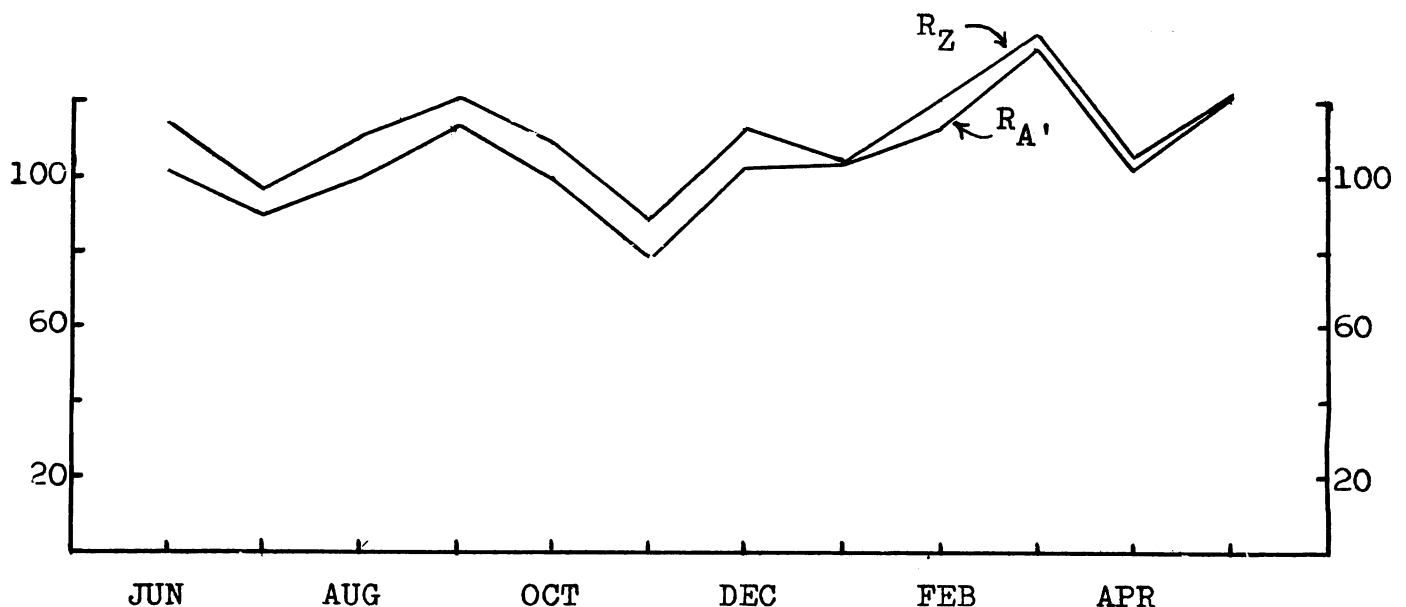
May 1969

SOLAR ACTIVITY DURING MAY

Eleven separate ionospheric disturbances were recorded by Solar Division observers during May. Most of these were recorded as sudden enhancements of signal (SES) of very-low-frequency station NBA in Panama operating on 24 kHz. The events of 2, 17, 18, and 28 May were also widely recorded as sudden enhancements of atmospheric noise (SEA) but local thunderstorms masked enhancements associated with other disturbances for many observers as often happens in spring and summer. The most widely recorded events of May occurred on the 17th and 18th. Both were of above average intensity. Two recordings made on the 17th are reproduced on page two.

Sunspot activity was up from the previous month. The monthly mean of the American sunspot numbers rose to 120.9 from 102.4 in April. Numbers reached a peak on 23-25 which has only been exceeded by the peak of 18 March 1969. Except for a small A-type group, sunspots were to be found only in the sun's western hemisphere on the 15th and 16th of May. The month ended with relative numbers at their lowest level since July 1968.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN (R_A) AND ZURICH (R_Z) RELATIVE SUNSPOT NUMBERS, MAY 1969

day	R _A	R _Z	May mean R _A = 120.9	May mean R _Z = 120.0
1	75	90	96	123
2	78	77	82	124
3	60	70	60	117
4	82	73	82	120
5	96	88	96	123
6	75	71	75	163
7	89	57	89	178
8	94	87	94	198
9	80	81	80	205
10	87	100	87	182
11	122	125	122	177
12	156	149	156	145
13	170	155	170	136
14	167	169	167	88
15	133	146	133	54
16	122	125	122	50
17	125	125	125	163
18	149	149	149	178
19	156	156	156	198
20	170	170	170	205
21	187	187	187	182
22	125	125	125	163
23	149	149	149	178
24	156	156	156	198
25	170	170	170	205
26	187	187	187	182
27	125	125	125	163
28	149	149	149	178
29	156	156	156	198
30	170	170	170	205
31	187	187	187	182

SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING MAY 1969

DAY	MAX. SEA SES DEF. OBSERVERS	DAY	MAX. SEA SES DEF. OBSERVERS
2	A-1, 21, 22, 24	28	1300 2
17	A-20, 1, 6, 23, 24	29	1500 1+
18	A-20, 1, 8, 22, 24, 6	29	1944 1+
22	A-1	31	1930 2-
22	A-1	31	2018 2-
24	A-17		

A-6, Oshkosh, Wisconsin
SEA starts 1:25 local time
= 1925 UT, 17 May 1969

5-17-69

A-23, St. Joseph, Missouri
SEA starts 2:20 local time
= 1920 UT, 17 May 1969