

Solar Bulletin

MAY 9 1969

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 25 Number 4

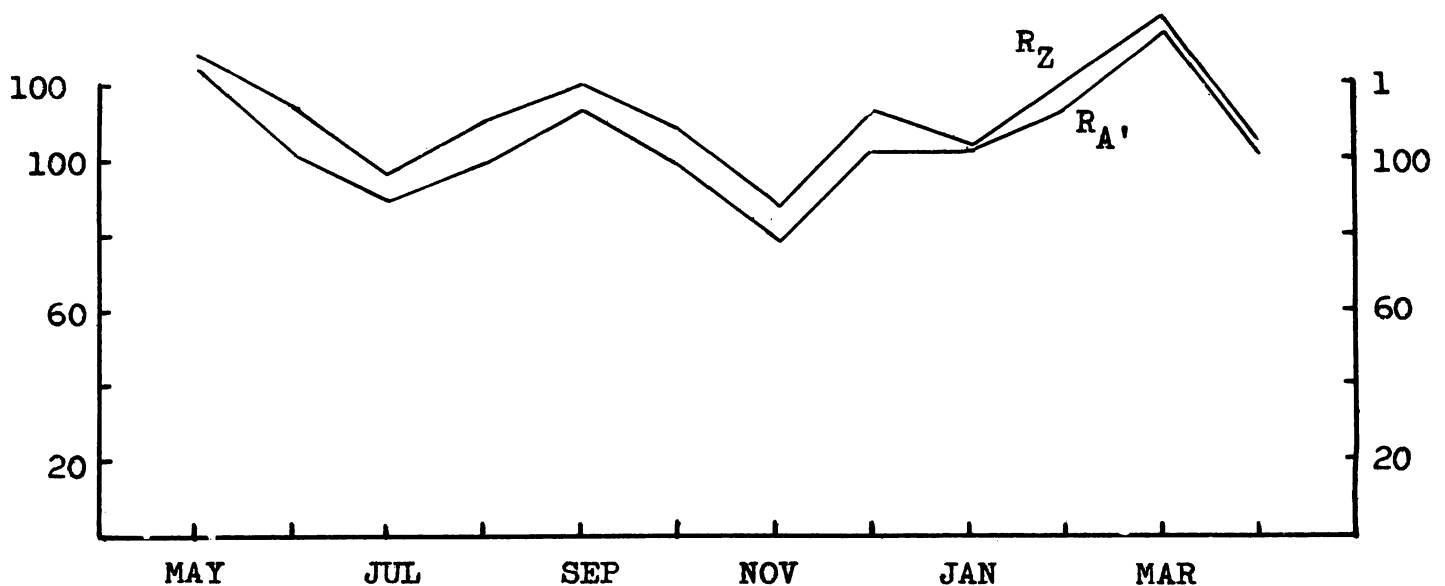
April 1969

SOLAR ACTIVITY DURING APRIL

Solar activity as judged by ionospheric disturbances dropped far below the level of last month. Only six were recorded by Solar Division observers compared to the record twenty nine of March. Reproductions of the two most intense and widely recorded events appear on page two. The upper chart shows an SEA that occurred late in the afternoon only an hour and one half before the beginning of the normal sunset rise. Although only a modest enhancement is shown on the chart, it must have been a rather intense disturbance to be recorded at all with the sun so low on the horizon. The lower chart shows a normal SEA of average intensity and typical rise and fall times.

Sunspot activity was also far below the level of March. The April mean of the American sunspot numbers fell to 102.4 from 134.0 last month. The April numbers reached their peak at the middle of the month.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



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

day	R _A	R _Z	day	R _A	R _Z
1	125	156	16	149	144
2	137	143	17	139	155
3	126	143	18	129	148
4	121	122	19	133	128
5	94	101	20	134	124
6	85	78	21	117	122
7	76	82	22	85	90
8	81	77	23	73	72
9	86	90	24	73	81
10	84	85	25	53	81
11	100	92	26	77	78
12	109	91	27	66	78
13	139	122	28	67	72
14	145	139	29	60	60
15	145	140	30	64	63

April mean R_A = 102.4 April mean R_Z = 105.2

SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING APRIL 1969

DAY	MAX. SEA	SES	DEF.	OBSERVERS	DAY	MAX. SEA	SES	DEF.	OBSERVERS
14	0040	1+	3	A-21	21	1228	1	4	A-20
14	1727	2+	5	A-20, 1, 21	21	2016	2+	3+	5
19	1843	1+	5	A-20, 1	26	2308	1	1+	4
									A-19, 22, 20, 1, 8

A-8 Haddam, Connecticut
SEA starts 6:00 = 2300 UT
26 April 1969

A-19 Latrobe, Pennsylvania
SEA starts 3:09 = 2009 UT
21 April 1969

