

Solar Bulletin

MAY 10 1967

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 23 Number 4

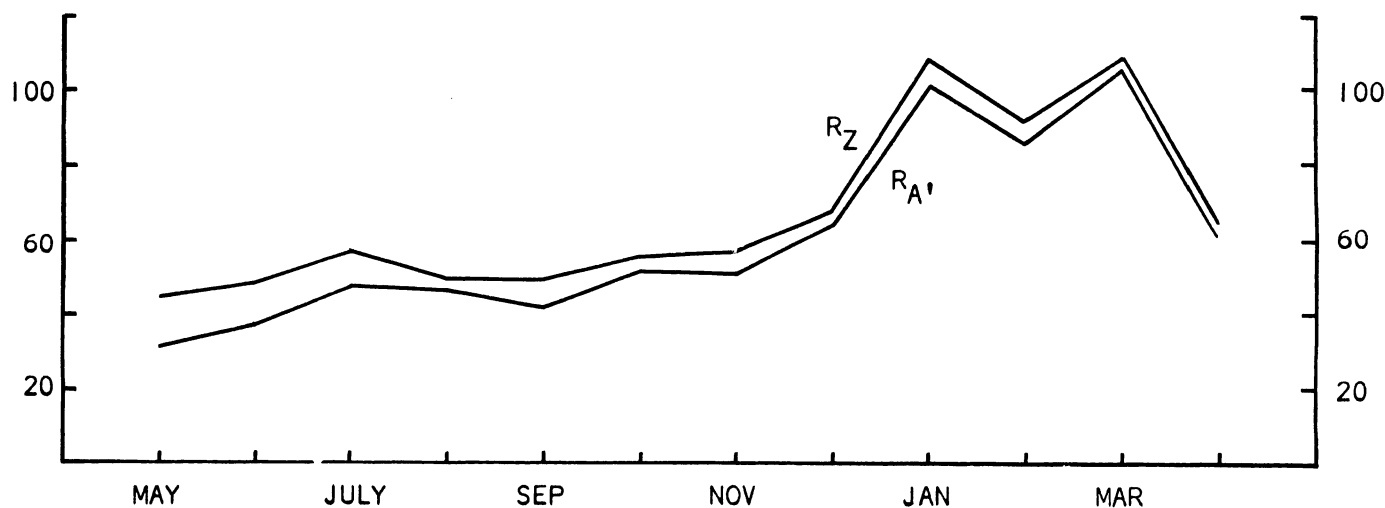
April 1967

SOLAR ACTIVITY DURING APRIL

Solar activity remained at a rather low level throughout most of April. A sudden ionospheric disturbance was recorded in association with a flare on the 11th. A reproduction of a recording of this event appears on page two. Several other small ionospheric disturbances were recorded by Solar Division observers during the first few days of the month.

Sunspot activity took a big drop from the level of last month. The monthly mean of the American sunspot number fell to 61.9 from 105.0 in March. April was characterized by many small sunspot groups. Only one group grew large enough to be classified as an E-type group. This was a southern group which first started to develop near the central meridian on 6th. Magnetically this group was classified as beta-gamma from 8 to 10 April. As this group neared the west limb, it produced several class 2 flares one of which produced the sudden ionospheric disturbance mentioned above.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS

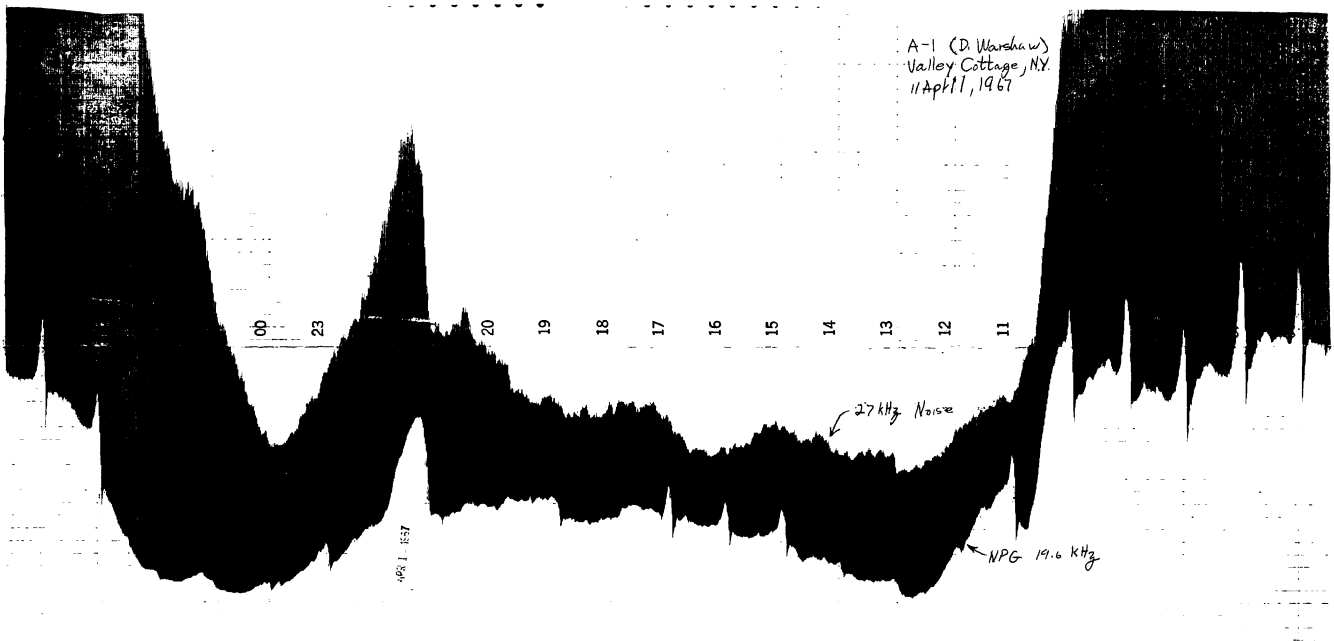


AMERICAN (R_A) AND ZURICH (R_Z) RELATIVE SUNSPOT NUMBERS, APRIL 1967

day	R_A	R_Z	DAY	R_A	R_Z
1	88	105	16	14	32
2	50	79	17	36	42
3	38	54	18	40	58
4	49	52	19	35	56
5	64	62	20	51	44
6	63	63	21	67	60
7	91	79	22	78	76
8	107	104	23	76	94
9	78	67	24	81	74
10	64	62	25	75	78
11	55	62	26	55	66
12	47	51	27	79	55
13	55	63	28	78	76
14	51	48	29	83	79
15	37	51	30	71	66

April mean R_A = 61.9

April mean R_Z = 65.3



Sudden ionospheric disturbance starting at 2109 UT, 11 April 1967. A time-sharing system was used in which the recorder indicates the intensity of atmospheric noise at the top of the wide trace, and the signal strength of NPG, 19.6 kHz, on the bottom.