

# Solar Bulletin

Publisher:

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



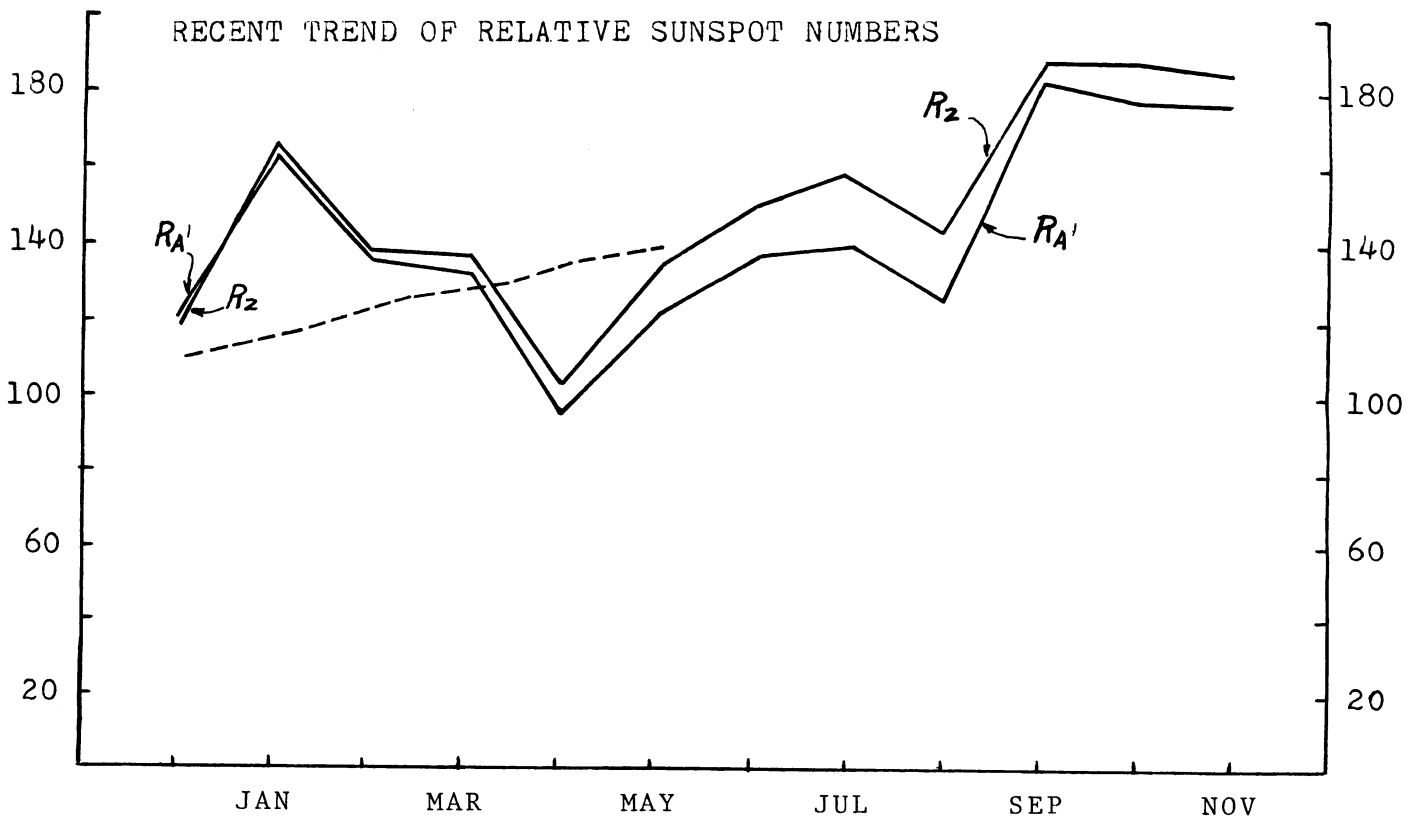
Volume 35 Number 11

November 1979

## SOLAR ACTIVITY DURING NOVEMBER

Sunspot activity continued at a high level for a third month. The November monthly mean was 176.5, down slightly from 178.2 in October and 184.0 in September. These high means brought the 12-month smoothed mean up to 139.3 in May.

Ionospheric disturbances continued to occur frequently. A triple event of high intensity is shown in the three charts at the bottom of page two. Above these is a chart showing fourteen events on the fourteenth. This interesting chart is unfortunately marred by the response of the receiver to changes in the type of transmission on 34.5 kHz. Above this are two recordings in which the inverted response of the upper chart recording 73.6 kHz is an almost exact reversal of the chart beneath it. The top chart records 27 kHz atmospheric noise in the southern hemisphere. It shows three ionospheric disturbances recorded as sudden enhancements of atmospheric noise (SEA).



AMERICAN (R<sub>A</sub>) AND ZURICH (R<sub>Z</sub>) RELATIVE SUNSPOT NUMBERS FOR NOVEMBER 1979

Day	R <sub>A</sub>	R <sub>Z</sub>
1	188	224
2	164	157
3	157	155
4	165	172
5	194	166
6	241	210
7	259	254
8	275	280
9	293	279
10	292	302
11	254	295
12	210	248
13	195	183
14	206	218
15	177	186
16	175	166
17	209	253
18	194	172
19	168	174
20	143	153
21	114	131
22	121	123
23	129	142
24	137	162
25	124	155
26	135	141
27	114	115
28	78	119
29	80	98
30	105	116
Mean	176.5	185.0

