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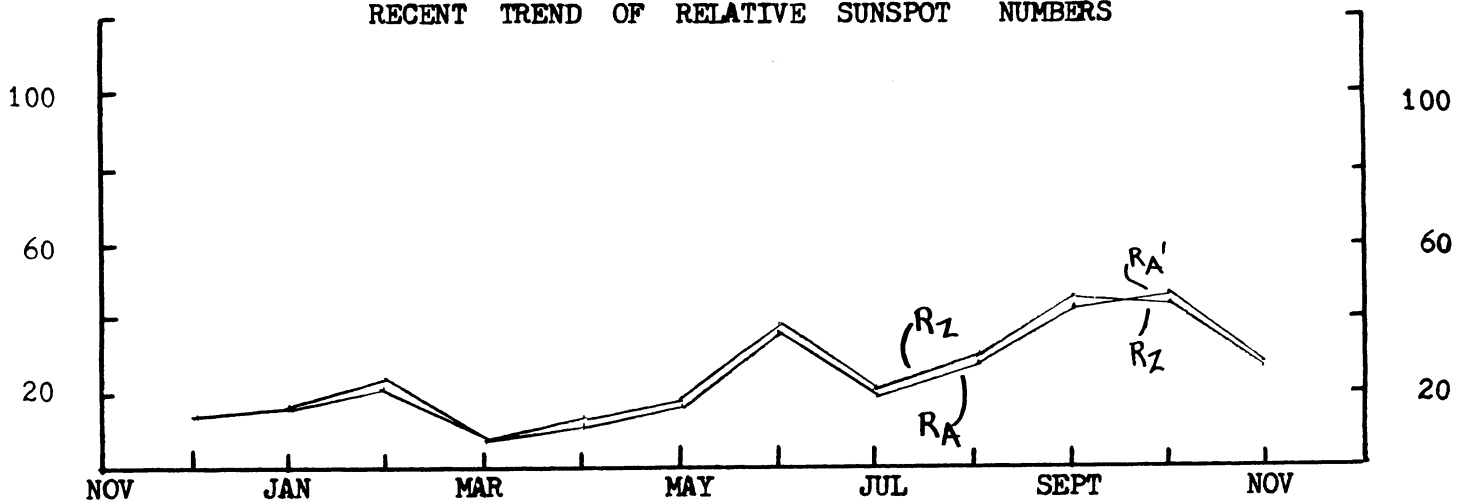
NOVEMBER 1977

SUNSPOT ACTIVITY FOR NOVEMBER

During November Sunspot activity peaked around the middle of the month with sunspot counts nearing one-hundred, but by month's end it had died down to one lone spot on the 28th. The mean of the American sunspot numbers fell to 28.4 from 45.5 in October and 41.9 in September. There were no spotless days, the last of these having occurred four months ago when there was a short spotless period from the fifteenth through the eighteenth of July.

Only one Ionospheric disturbance was reported by the nine A.A.V.S.O. observers who sent charts for analysis. Charts are reproduced on page two showing recordings of the event by four different observers on several different frequencies.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN (R_{A1}) AND ZURICH

SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING NOVEMBER 1977

(R_Z) RELATIVE SUNSPOT NUMBERS FOR NOVEMBER 1977

Day Max. SEA SES Def. Observers
 18 17:00 1 1+ 5 A1,19,28,30,31,34

DAY	R _{A1}	R _Z
1	41	44
2	33	42
3	24	22
4	22	21
5	25	20
6	25	23
7	28	34
8	28	25
9	26	31
10	23	25
11	26	25
12	27	24
13	25	26
14	31	24
15	37	33
16	51	41
17	54	46
18	62	50
19	52	51
20	39	31
21	33	28
22	20	26
23	25	20
24	21	15
25	12	8
26	10	7
27	12	14
28	9	7
29	12	10
30	18	24
Mean	28.4	26.6

Charts from the following observers were received and analyzed:

A-1,19,28,30,31,34,37,40,43

