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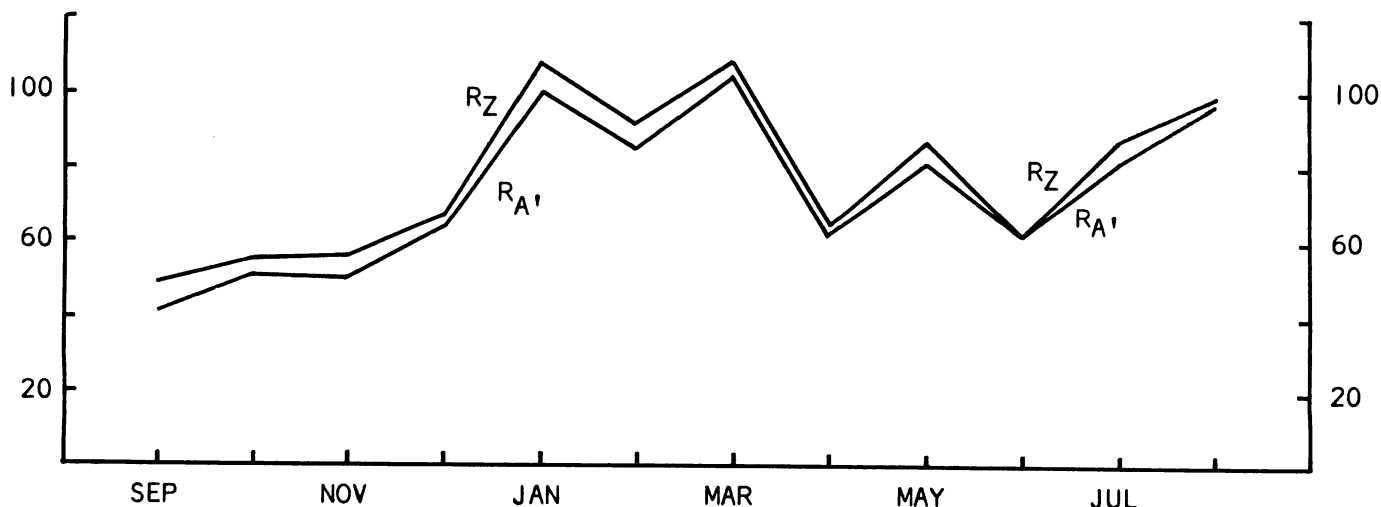
SOLAR ACTIVITY DURING AUGUST

The active region which caused most of July's solar activity continued to produce flares until it passed over the northwest limb on 4 August. There followed a quiet period through the middle of the month. On page two is shown a recording of a sudden ionospheric disturbance that occurred on the 4th. This event was recorded by the Solar Division's new SEA observing station at Littleton, Colorado. Two additional recordings of ionospheric disturbances associated with the solar activity at the end of the month are also reproduced on page two.

Sunspot activity during August remained at a rather constant level and was characterized by many large groups none of which were outstanding. One rather large group that appeared at the southeast limb had developed on the sun's far-side. Its polarities were normal and it was not a flare producer. Another large interesting group came over the northeast limb on 28 August. This was probably a return of a group last seen increasing as it passed over the northwest limb on the 13th.

The mean of the American sunspot number rose again this month to 96.7 from 82.4 in July. The highest numbers occurred at the end of the month reaching a peak of 138 on the 31st.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



American (R_A) and Zurich (R_Z) relative sunspot numbers, August 1967

day	R_A	R_Z	day	R_A	R_Z
1	133	139	16	88	77
2	111	119	17	100	95
3	111	91	18	93	114
4	83	83	19	91	116
5	93	90	20	118	108
6	105	95	21	111	115
7	98	98	22	106	104
8	88	119	23	98	110
9	73	94	24	86	104
10	76	87	25	95	98
11	81	79	26	97	105
12	63	62	27	113	107
13	70	70	28	112	119
14	65	56	29	122	111
15	68	61	30	112	121
			31	138	124

August mean R_A = 96.7

August mean R_Z = 99.1

