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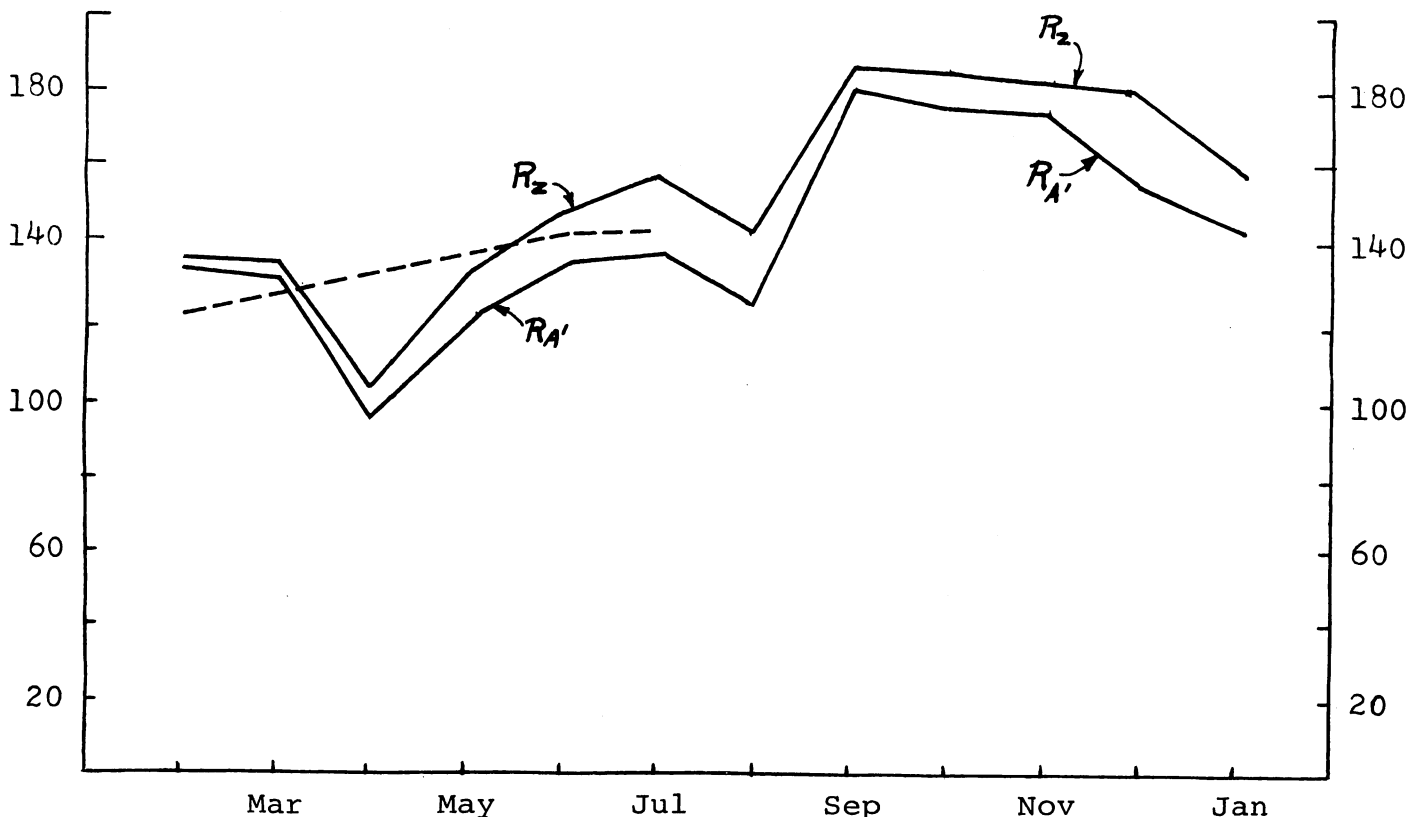
January 1980

SOLAR ACTIVITY DURING JANUARY

January sunspot activity continued the steady decline of the past five months. The monthly mean of **146.7** was down considerably from the December mean of 157.6. The 12-month smoothed mean rose only slightly from 144.3 in June to 145.1 in July. This represents a definite change from the steady upward trend that has existed since early 1977 whereby the smoothed means have been increasing by four to five points each month. The last time the smoothed mean rose less than one point was November 1976.

January ionospheric disturbances were less numerous. A rather intense event occurred on the 28th and three recordings on three different frequencies are shown at the bottom of page two. A recording of another day of high activity is shown immediately above. At the top of the page is a recording showing five separate events on the 25th of January.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN (R_A') AND ZURICH (R_Z) RELATIVE SUNSPOT NUMBERS FOR JANUARY 1980

Day	R_A'	R_Z
1	121	153
2	137	158
3	132	148
4	150	173
5	175	190
6	198	207
7	188	218
8	200	225
9	199	262
10	203	224
11	239	245
12	181	210
13	164	181
14	167	178
15	176	146
16	183	166
17	134	160
18	125	130
19	109	118
20	101	115
21	110	121
22	121	123
23	116	124
24	93	120
25	88	107
26	94	127
27	117	128
28	115	130
29	137	122
30	137	145
31	139	174
Mean	146.7	162.2

