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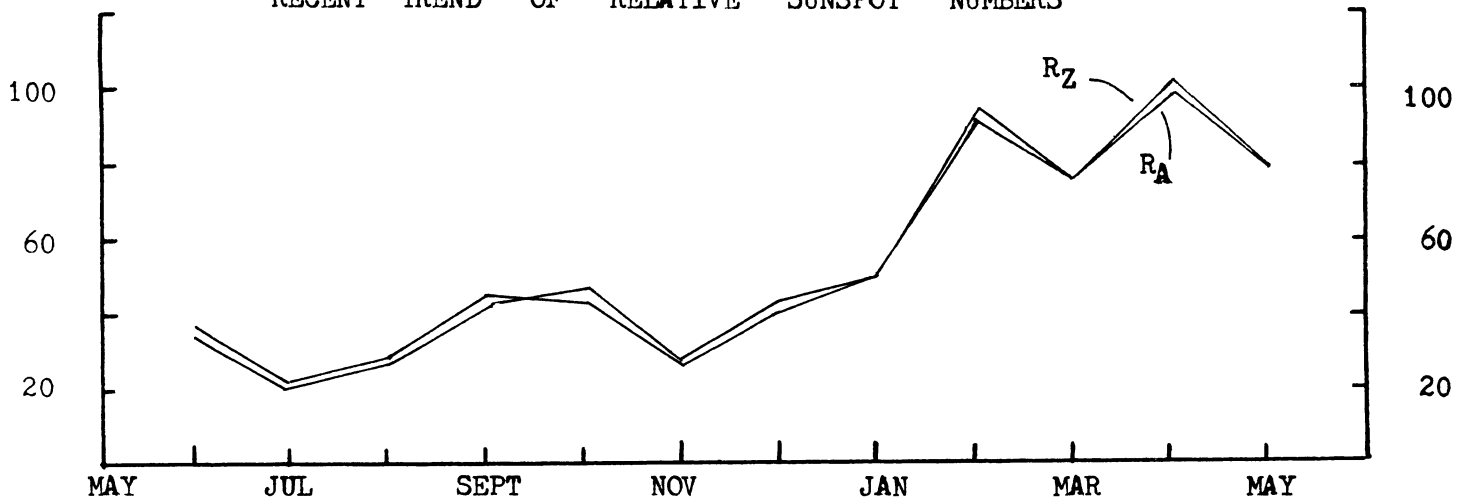
MAY 1978

SUNSPOT ACTIVITY FOR MAY

Sunspot activity continued at a high level during May which started off with a beta-gamma group on the central meridian that was easily visible to the unaided eye. The monthly mean of the American sunspot numbers was 79.6. This brought the twelve-month smoothed mean up to 49.8 for November 1977.

Flare activity produced many ionospheric disturbances during May although most of these were rather small. Sixty-two events were recorded in all by thirteen observers. The most active day was the seventh when there were six events. Charts are reproduced on page two that show events that occurred on the twenty-ninth and the 30th.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN (R_A) AND ZURICH (R_Z)

RELATIVE SUNSPOT NUMBERS FOR

MAY 1978

DAY	R _A	R _Z	Day	Max.	SEA	SES	Def.	Observers	Day	Max.	SEA	SES	Def.	Observers
1	85		1	1734	1	5	1	A1,19,26,31,34,37,45	19	2117	1-	1	5	A1,19,26,28,31,34,37,45
2	80		1	1934	2	3	5	A1,19,26,28,31,34,37,45	19	2316	1-	5	5	A1,19,26,28,31,34,37
3	90		1	2000	1-	5	5	A1,19,28,31	20	1840	1+	5	5	A1,19,26,28,31,34,45
4	84		2	0138	2	3	5	A31,43	21	1719	1+	5	5	A1,31,45
5	79		2	0355	1-	5	5	A31,43	21	2249	2	5	5	A1,19,28,31,37,45
6	81		2	0628	1	4	5	A31	21	2317	1	1	5	A1,19,31
7	71		2	1335	1	5	5	A26	21	2358	1	1	5	A1,19,28,31,37
8	64		3	1705	2	1+	5	A1,19,26,28,31,34,37,40,42,45	22	0215	1+	5	5	A31
9	70		3	2027	1	5	5	A19,26,31,34,37	22	1513	1	1	5	A1,19,26,31,34,37,40,45
10	56		4	0159	1+	5	5	A31,43	22	1540	1-	5	5	A19,34,45
11	58		4	0305	1+	5	5	A31,43	22	1630	1-	5	5	A1,19,34,37,45
12	66		5	1542	1	5	5	A19,26	23	0033	2	2	5	A31,43
13	77		5	1805	1	5	5	A19,26,31	23	0116	1	1+	5	A31,43
14	79		6	1155	1-	5	5	A1,19,37	23	2004	1	5	5	A19,28,30,34,36,37,45,46
15	76		6	1301	1-	5	5	A1,19,31,37	24	1802	2	1+	5	A1,19,28,31,34,37,45,46
16	87		6	1554	1	4	5	A1,19,31	24	1927	2	2	5	A1,19,28,31,34,37,45,46
17	88		6	1735	1	5	5	A1,31	26	1553	3+	4	4	A42
18	90		6	2026	2	5	5	A31	26	1754	1+	2	5	A1,19,26,28,31,34,37,45,46
19	77		7	1107	2	4	4	A42	27	1633	1+	5	5	A1,19,28,31,34,45
20	70		7	1447	2	1	3	A1,19,26,37,42	28	1320	1-	4	4	A1,19,26,34,45,46
21	73		7	1604	2+	2	5	A1,19,26,28,31,37,42,45	28	1341	1+	1	5	A1,19,26,34,45,46
22	67		7	1652	1-	4	5	A1,19,28	28	1503	2	2	5	A1,19,28,31,34,37,42,45,46
23	76		7	1712	1	5	5	A1,19,28,31,37,45	29	1803	2	2	5	A1,19,28,31,34,37,42,45,46
24	82		8	0049	2	2+	5	A31,43	30	0725	2	1+	5	A31,42
25	79		8	0221	2	2	5	A31,43	30	1533	1+	1+	5	A1,19,26,28,31,34,37,42
26	87		8	0450	1-	5	5	A31,43	30	1932	2	2+	5	A1,19,28,31,34,37,45,46
27	89		8	1705	1-	4	4	A42						
28	87		9	0424	1	1+	5	A31,43						
29	95		9	1445	2+	5	5	A1,19,26,31,37,40						
30	102		13	0136	2+	4	4	A31						
31	112		14	1157	2-	5	5	A42						
M	79.6	79.3	14	1406	1	5	5	A1,19,26,34,45						
			16	1631	1+	4	4	A1,19,26,34						
			17	1240	2	4	4	A42						
			17	1522	2	1+	5	A1,19,26,28,31,34,37,42,45						

Charts from the following observers were received and analyzed:

A1,19,26,28,30,31,34,37,40,42,43,45,46

