

# Solar Bulletin

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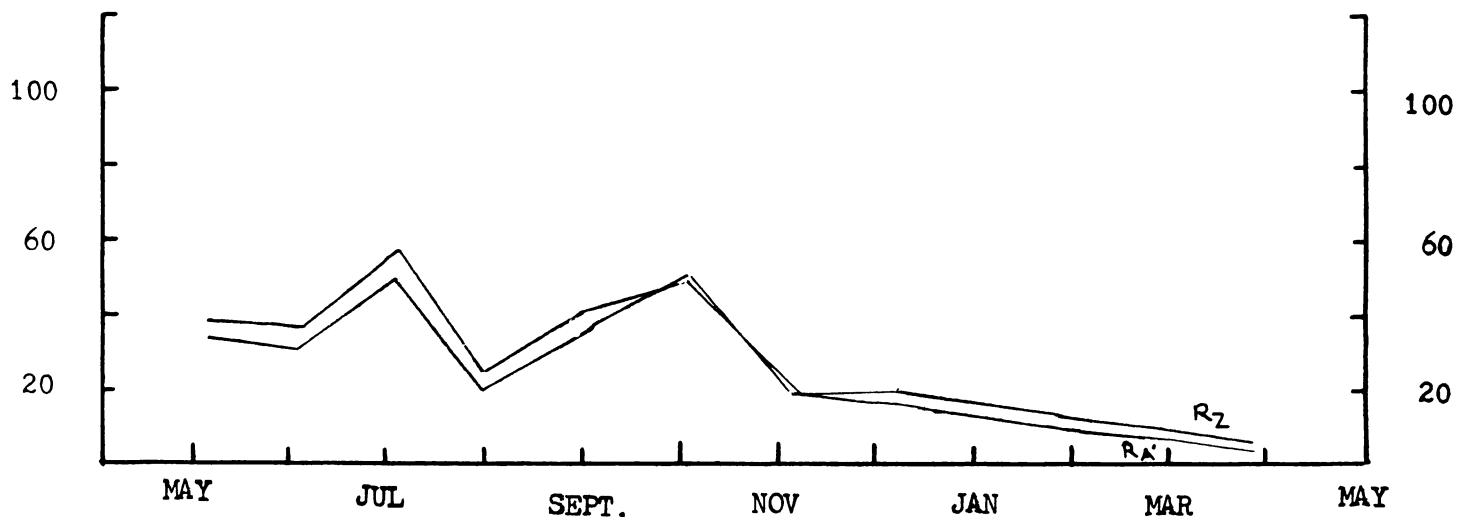
APRIL 1975

## SOLAR ACTIVITY FOR APRIL

April sunspot activity fell far below the level of March. The mean of the American Sunspot numbers fell to 4.0 from 10.3. Exactly half of the days were spotless compared to six in March. April began with the Sun spotless and it remained that way until the seventh except that a single observer reported spots on the fifth. The group first seen on the seventh was quickly joined by a second small group but very early on the 11th the sun was again spotless and remained that way eleven days except again a single observer reported seeing something on the 15th. The small sunspot group first seen on the 23rd was only one degree North of the Equator. It was joined by a second group on the 27th but by late on the 30th both had disappeared to leave the sun once again spotless to start a new month as this one had begun. None of the sunspot groups in April were new-cycle groups.

No ionospheric disturbances were observed during April, which is not surprising considering the small size of the few sunspots seen. Even so, many hours were spent by our indirect flare patrol coordinator analyzing the many excellent charts sent to him by fourteen observers this month. The net result of all his efforts was to be able to report with considerable certainty that there were no events during April!

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN ( $R_A$ ) AND ZURICH ( $R_Z$ ) RELATIVE SUNSPOT NUMBERS, APRIL 1975

DAY	R <sub>A</sub>	R <sub>Z</sub>	DAY	R <sub>A</sub>	R <sub>Z</sub>
1	0	0	16	0	0
2	0	0	17	0	0
3	0	0	18	0	0
4	0	0	19	0	0
5	4	21	20	0	0
6	0	0	21	0	0
7	7	15	22	0	0
8	14	17	23	3	7
9	12	9	24	3	8
10	7	13	25	1	7
11	2	0	26	7	7
12	0	0	27	22	26
13	0	0	28	20	19
14	0	0	29	11	16
15	1	0	30	6	20
			MEAN	4.0	6.2

SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING APRIL 1975

There were none

Charts were received and analyzed by the following

observers: A - 1, 4, 19, 26, 28, 29, 30, 31, 32, 34, 36,

37, 40, 41