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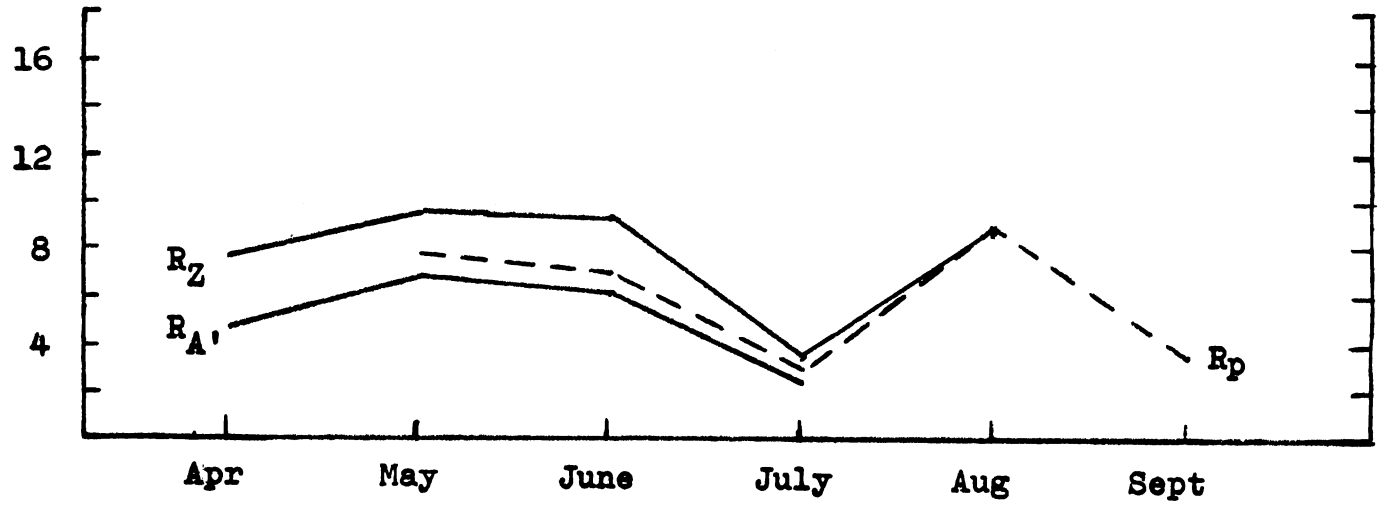
SOLAR ACTIVITY DURING SEPTEMBER

Solar activity returned to a very low level in September. No sudden ionospheric disturbances were recorded by Solar Division observers. An aurora was visible in the New York area on 22 September at 0300 UT.

Sunspot activity was down from the previous month. There were only 3 sunspot groups observed this month as compared to 6 in August. The number of spotless days increased from 13 in August to 20 this month. The provisional sunspot number R_p dropped from 9.0 to 3.6. A single spot was visible at the East limb on 1 September which could be identified as an "alpha p" group (Mount Wilson magnetic classification) by its position in the faculae. This was a return of the group that went over the West limb on 16 August. By 3 September it had faded and the sun remained spotless until 8 September when a new-cycle group formed at 38 degrees North latitude near the meridian. This group was last seen on 11 September but on 12 September an old-cycle group formed in the North West and lasted until 14 September. The sun was then spotless for the balance of September.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN RELATIVE SUNSPOT NUMBER ($R_{A'}$) FOR JULY 1964

July mean = 2.2

1	3	11	0	21	0
2	0	12	0	22	0
3	1	13	1	23	0
4	4	14	13	24	0
5	3	15	13	25	0
6	1	16	13	26	0
7	0	17	6	27	0
8	0	18	2	28	0
9	0	19	0	29	0
10	0	20	0	30	0
				31	7

ZURICH RELATIVE SUNSPOT NUMBERS (R_Z) FOR JULY 1964

July mean = 3.4

1	7	11	7	21	0
2	0	12	0	22	0
3	0	13	0	23	0
4	8	14	10	24	0
5	10	15	12	25	0
6	8	16	11	26	0
7	7	17	9	27	0
8	0	18	8	28	0
9	0	19	0	29	0
10	0	20	0	30	0
				31	7

PROVISIONAL SUNSPOT NUMBERS (R_p) FOR SEPTEMBER 1964

September mean = 3.6

1	11	11	12	21	0
2	11	12	13	22	0
3	8	13	13	23	0
4	0	14	5	24	0
5	0	15	0	25	0
6	0	16	0	26	0
7	0	17	0	27	0
8	11	18	0	28	0
9	11	19	0	29	0
10	12	20	0	30	0

Note:

The above provisional relative sunspot numbers (R_p) have been computed from some of the early reports received from Solar Division observers. They are not meant to be used for definitive work.