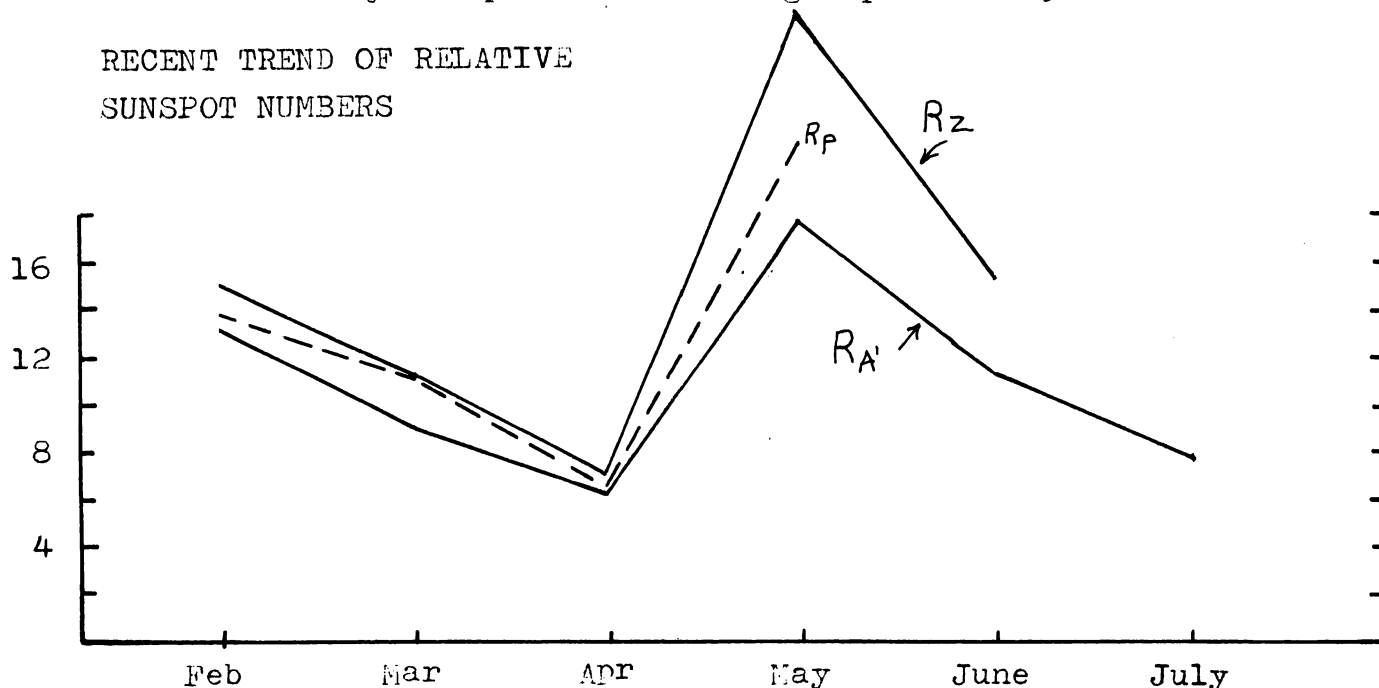## SOLAR ACTIVITY DURING JULY

Solar activity continued its downward trend of last month. No ionospheric events were recorded by Solar Division observers who sent early reports.

Sunspot activity was limited to several rather small short-lived groups except for one very prominent group which appeared on the 6th. The monthly mean of the American Sunspot Number fell from 11.4 in June to 7.7 this month. There were 15 spotless days this month compared to 9 in June. Three groups with lifetimes greater than 2 days were observed whereas six such groups were observed in June. The 13 day spotless period of this month was exceeded only once during the recent solar minimum by a 16 day spotless period in September 1964. One other 13 day spotless period occured in July 1964.

July started with a northern new-cycle group that first appeared on 27 June but this group was gone by 2 July. A second small group visible on the 1st had grown to 4 faint spots by the 2nd and lasted through the 4th. The disk was spotless on 5 July. On the 6th, a northern new-cycle group of about 7 spots appeared which developed into a very prominent group. This group reached its maximum stage of development as it crossed the central meridian on the 8th. By 14 July it had faded from view at the west limb. Another northern group formed on the 14th and lasted through the 16th. The sun was then spotless for the balance of July except for a small group on the 30th.

RECENT TREND OF RELATIVE
SUNSPOT NUMBERS

ZURICH RELATIVE SUNSPOT NUMBERS (R_Z)

May 1965 mean = 26.4		June 1965 mean = 15.5	
1	0	1	9
2	15	2	24
3	8	3	36
4	8	4	38
5	7	5	34
6	0	6	30
7	11	7	25
8	17	8	17
9	9	9	19
10	0	10	9
11	0	11	7
12	15	12	0
13	23	13	0
14	25	14	20
15	37	15	0
16	42	16	0
17	62	17	12
18	79	18	25
19	82	19	16
20	78	20	21
21	75	21	19
22	65	22	14
23	51	23	7
24	47	24	7
25	30	25	7
26	24	26	7
27	7	27	8
28	0	28	23
29	0	29	18
30	0	30	14
31	0		

AMERICAN RELATIVE SUNSPOT NUMBERS ($R_{A'}$) FOR JULY 1965

July mean = 7.7

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