

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS

# Solar Bulletin

... Published By ...

AAVSO - SOLAR DIVISION  
540 N. CENTRAL AVENUE  
RAMSEY, NEW JERSEY  
U. S. A.

Volume 21...Number 3

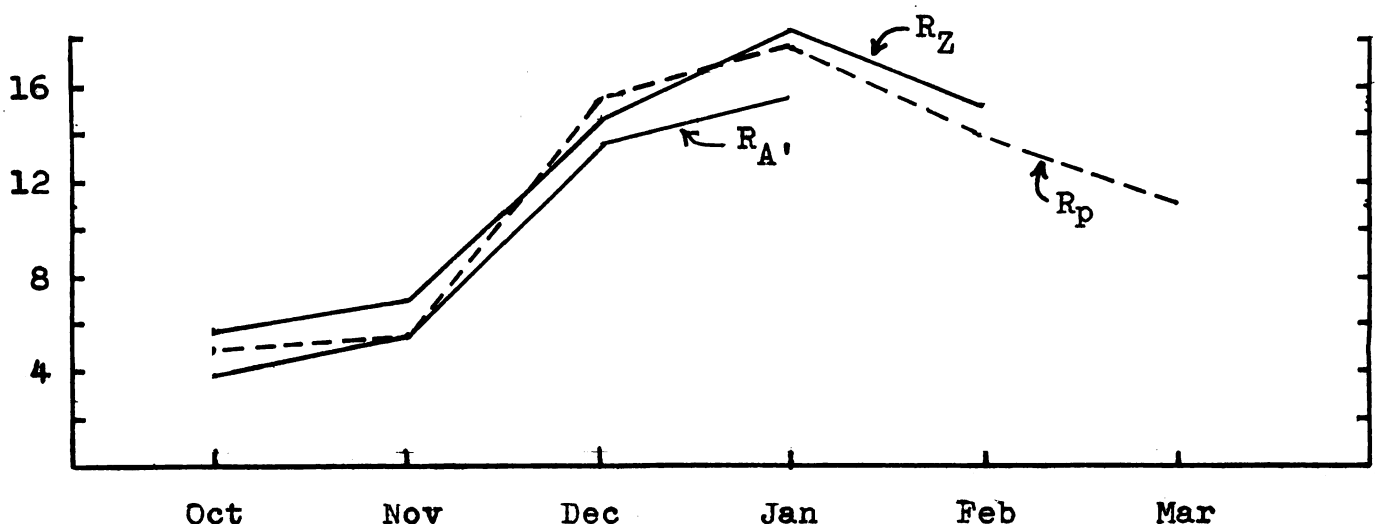
March 1965

## SOLAR ACTIVITY DURING MARCH

No SEA's, or other sudden ionospheric disturbances, were recorded by Solar Division observers for the month of March.

Sunspot activity continued the downward trend of last month. The March mean of the preliminary sunspot number,  $R_p$ , was down to 11.2 from 13.8 last month and 17.8 in January. There were 5 spotless days compared to 7 last month. 6 sunspot groups were observed plus several faint short-lived groups. Most of this month's groups were comparatively faint causing much disagreement in the reports, and making it difficult to prepare an accurate summary. March began with two groups near the center of the disk. One of these was in the southern hemisphere and was the only southern group seen this month. A new-cycle group formed two days east of the meridian on the 3rd and lasted through the 7th. During the latter part of the 6th, three faint groups were visible giving the highest count for the month. A long-lived group first seen near the east limb on the 10th was the most prominent group of the month. This group faded from view near the west limb on the 21st leaving the disk spotless on the 22nd and 23rd but on the 24th a single spot appeared near the east limb. This small group disappeared on the 28th leaving the disk spotless for the rest of the month.

## RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN RELATIVE SUNSPOT NUMBERS ( $R_A$ ) FOR JANUARY 1965

January mean = 15.6

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

ZURICH RELATIVE SUNSPOT NUMBERS ( $R_Z$ ) FOR JANUARY 1965

January mean = 18.5

1	23	11	7	21	23
2	26	12	0	22	22
3	34	13	0	23	17
4	34	14	7	24	22
5	32	15	8	25	21
6	19	16	7	26	21
7	18	17	7	27	34
8	17	18	20	28	19
9	14	19	22	29	29
10	8	20	28	30	20
				31	15

PROVISIONAL SUNSPOT NUMBER ( $R_p$ ) FOR MARCH 1965

March mean = 11.2

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

**Note:**

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