

Solar Bulletin

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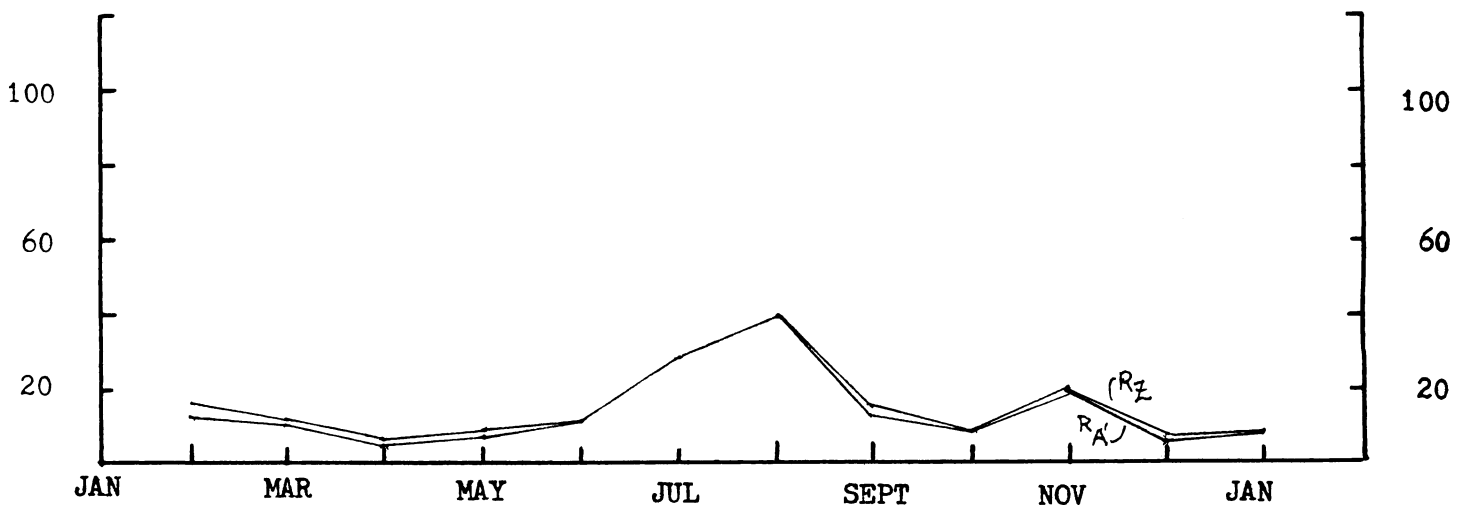
JANUARY 1976

SUNSPOT ACTIVITY FOR JANUARY

Sunspot activity rose slightly bringing the mean of the American Sunspot Numbers up to 8.3 for January. The sun became spotless early on the first and remained that way until late on the eleventh when a sunspot group rotated onto the visible hemisphere. This group and another that soon developed following it dominated sunspot activity until last seen on the west limb early on the twenty-fourth when the sun again became spotless. A new group formed on the twenty-seventh and small spots continued until early on the thirty-first.

Two ionospheric disturbances occurred on the 12th, the day after the sunspot group mentioned above rotated onto the disk. Reproductions of these are shown on page two. The event reaching maximum at 1705 UT was widely recorded by many of the fourteen observers who sent charts this month. The earlier event at 0625 UT was not conveniently placed in time for most AAVSO observers, but it was recorded by A-31 after his local sunset by recording a VLF station in Australia.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING JANUARY, 1976

AMERICAN (R_{A1}) And ZURICH
(R_Z) RELATIVE SUNSPOT
NUMBERS FOR JANUARY 1976

Day	Max.	SEA	SES	Def.	Observers
12	06:25		1	5	A-31
12	17:10		2	5	A-1,4,19,28,31,37

DAY	R _{A1}	R _Z
1.	2	0
2.	0	0
3.	0	0
4.	0	0
5.	0	0
6.	0	0
7.	0	0
8.	0	0
9.	0	0
10.	0	0
11.	3	0
12.	22	20
13.	33	26
14.	34	36
15.	25	20
16.	26	22
17.	20	24
18.	17	20
19.	16	18
20.	14	16
21.	12	11
22.	10	10
23.	10	10
24.	2	0
25.	0	0
26.	0	0
27.	3	7
28.	1	0
29.	2	14
30.	4	8
31.	1	0
Mean	8.3	8.5

Charts from the following observers were received and analyzed:

A- 1, 4, 19, 26, 28, 29, 30, 31, 32, 34, 36, 37, 40, 41

