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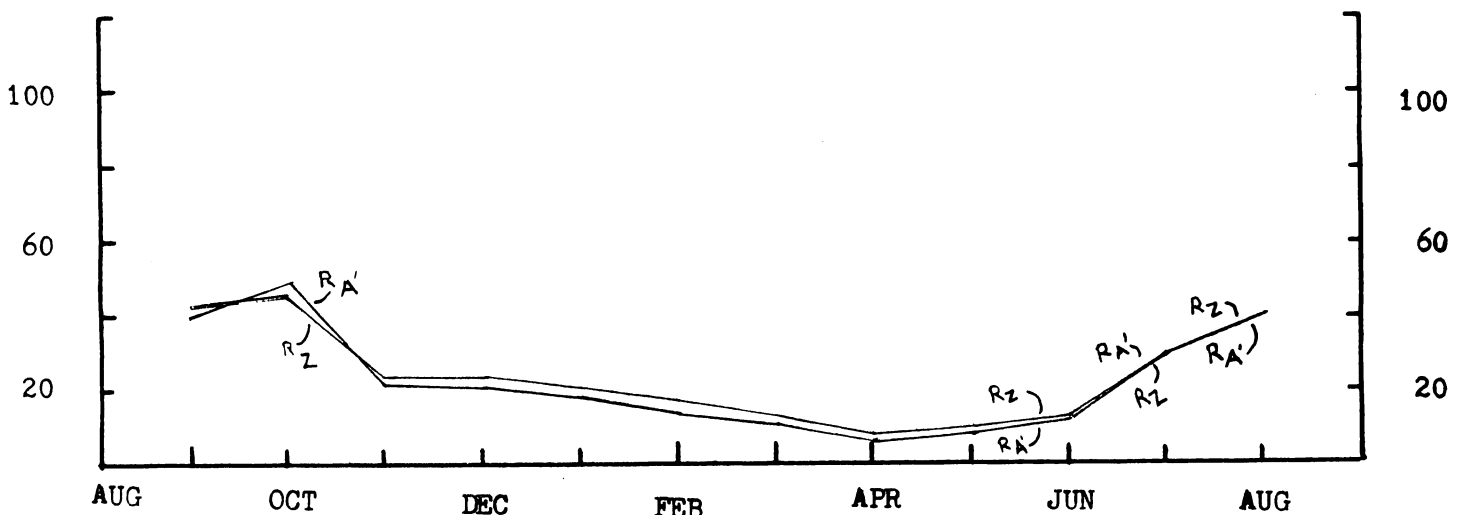
AUGUST 1975

SOLAR ACTIVITY DURING AUGUST

Sunspot activity continued the upward trend of the last month. The mean of the American Sunspot Numbers rose to 39.1. On the sixth the Numbers rose to 102 the first time since last October that they exceeded 100. Despite the high numbers at the beginning of the month, there were two spotless periods later on. The first of these occurred during the later part of the 19th and the other started late on the 24th and lasted thru the early part of the 25th. Some A.A.V.S.O. observers saw what appeared to be new-cycle spots at 34° South near the west limb on the 11th-12th and 13th and again on the 20th at 28° North. Both of these groups were confirmed to be new-cycle by magnetic data. Another High-latitude group was seen by several observers on the 16th and 17th but there was no magnetic confirmation of this one.

A.A.V.S.O. observers recorded 43 Ionospheric Disturbances of which most occurred during the first 10 days of the month. The seventh was the most active day with ten events. The second was also very active with 8 events, some of which overlapped because two active regions were producing flares at the same time. A small sample of the disturbances recorded by twelve observers is reproduced on page two.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING AUGUST 1975

AMERICAN (R_{A1}) AND ZURICH

(R_Z) RELATIVE SUNSPOT

NUMBERS FOR AUGUST 1975

DAY	R _{A1}	R _Z
1.	39	37
2.	42	36
3.	56	46
4.	76	78
5.	86	93
6.	102	104
7.	99	102
8.	94	89
9.	84	83
10.	88	80
11.	70	72
12.	52	45
13.	47	52
14.	33	34
15.	23	31
16.	23	26
17.	19	19
18.	13	16
19.	4	8
20.	17	22
21.	19	23
22.	10	0
23.	13	8
24.	7	8
25.	15	11
26.	19	16
27.	16	18
28.	13	10
29.	9	10
30.	12	21
31.	12	21
Means	39.1	39.3

Day	Max.	SEA	SES	Def.	Observers	Day	Max.	SEA	SES	Def.	Observers
1	17:02	1+	1+	5	A1,29,31,34,37	7	15:31	1-	1-	5	A1,4,19,26,31,32,34,37
1	21:50	1-	1	5	A1,26,31,32,34,37,40	7	16:30		1-	4	A19,31,37
1	23:30	1-	1-	4	A31,37	7	17:35	1-	1-	3	A1,4,19,32
2	01:06		1-	5	A31	7	18:53		1-	4	A19,31,34,37
2	13:37		1-	5	A1,31	7	21:40	1-	1-	4	A4,19,26,31,32,34,37,40
2	14:31	1-	1-	5	A1,26,31,34,37	8	16:50		1	4	A19,31,34,37
2	15:30		1-	3	A1,31,34	9	02:34		1	5	A31
2	16:48		1-	4	A1,29,31,37	9	18:45	1-	1-	5	A1,19,26,31,34,36,37
2	18:00	1-	1	5	A1,26,31,34,37,40	10	13:39	1-	1-	4	A19,26,31,34,36,40
2	19:28	1-	1	5	A1,26,29,31,34,37	10	14:25	1-	1	5	A1,19,26,31,32,34,37,40
2	20:17	1+	1+	5	A1,29,31,37,40	10	18:37	1+	1+	5	A1,19,31,32,34,36,37,40
3	00:15		1-	5	A31,37	10	20:45	1-	1-	4	A31,34,37,40
3	03:47		2	5	A31	21	15:24	2	2	5	A1,4,19,26,29,31,32,34,36,37
3	12:26	1+	1	5	A1,26,29,31,32	21	19:53	1+	1+	5	A1,19,26,28,29,31,32,34,37,40
5	20:28	1	3		A4,29,31,37	22	01:21	1-	1	4	A4,31,32,37,40
6	17:05	1-	1-	2	A19,31,37	22	12:36	1	1+	5	A1,19,26,31,32,34
6	18:55	1-	1-	2	A19,31,34,37	22	17:25	1-	1-	5	A19,31,34,37
6	20:20	1-	1-	5	A19,31,37	22	22:30	1+	1	5	A1,4,19,26,31,32,34,37,40
6	20:36		1-	5	A19,31,37						
6	21:55		1-	3	A31,37						
7	01:37		1+	5	A31						
7	03:05		1-	5	A31						
7	13:00	1-	1	4	A1,19,26,32						
7	15:03	1-	1-	5	A1,19,26,31,32,34,37						
7	15:17	1-	1-	5	A1,19,31,32,34,37						

