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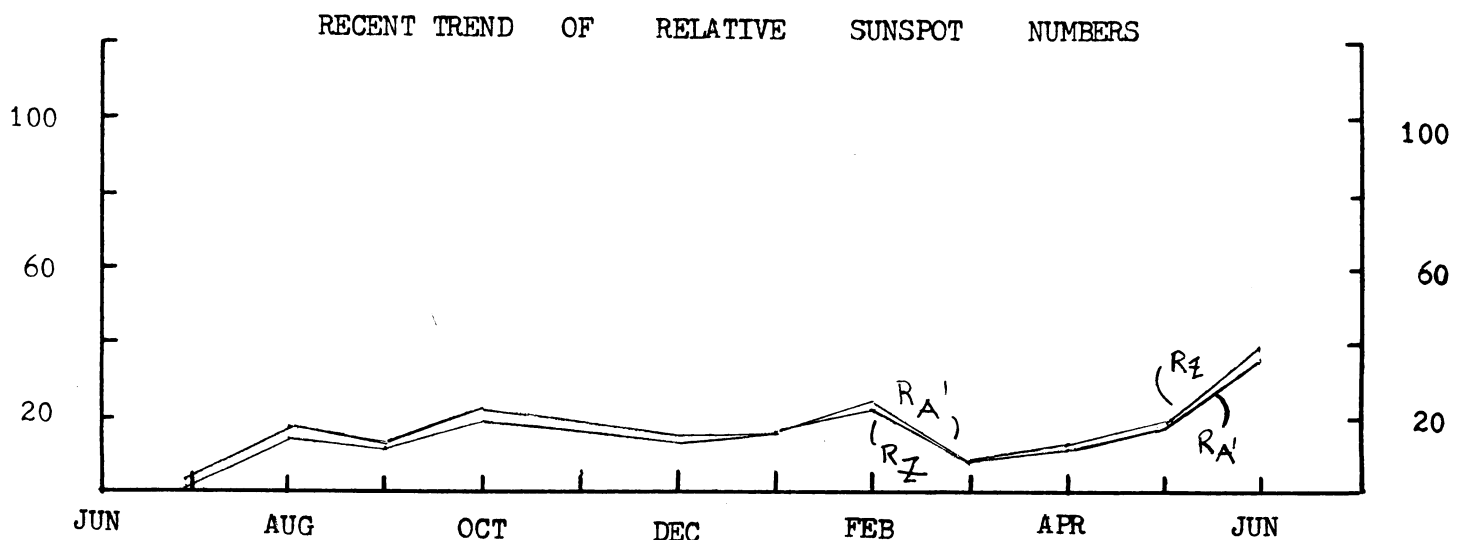
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JUNE 1977

SUNSPOT ACTIVITY FOR JUNE

Sunspot activity increased dramatically during June. The Mean of the American sunspot numbers rose to 34.4 from 16.0 in May. Most of the Activity occurred during the last week of the month when an old-cycle group grew large enough to be seen with the unaided eye. There were no spotless days in June.

Nineteen sudden ionospheric disturbances were recorded by ten A.A.V.S.O. observers who sent June charts for analysis. These were clustered at the end of the month from the twenty-third through the twenty-eighth. A sampling of recordings of these events is reproduced on page two. It has been over a year since so many ionospheric disturbances recorded in one month.



(R_Z) RELATIVE SUNSPOT NUMBERS FOR JUNE 1977

DAY	R _A	R _Z
1	40	44
2	47	43
3	47	43
4	40	49
5	40	40
6	40	33
7	42	41
8	35	38
9	27	33
10	27	29
11	25	27
12	22	22
13	19	20
14	21	25
15	10	8
16	9	8
17	10	8
18	18	21
19	36	36
20	25	21
21	36	26
22	34	40
23	44	57
24	54	60
25	54	74
26	58	71
27	54	74
28	45	65
29	40	50
30	34	45
Mean	34.4	38.4

Day	Max.	SEA	SES	Def.	Observers	Day	Max.	SEA	SES	Def.	Observers
23	18:33	1-	1	5	A1,4,26,31,34,37	26	15:15	1-	1-	5	A1,26,31,34,37
23	22:14				A31,37	26	15:52				A1,4,31,34,37
23	23:59				A31	26	20:53				A1,4,31,34,37
25	14:38				A1,31,34,37	26	22:21				A1,4,31,34,37,40
25	15:05	1-	1	5	A1,31,34,37	27	01:37	1+	2	5	A31,43
25	18:07				A1,34,37	27	04:29	1	1+	5	A31,43
25	19:55				A1,31,34,37	27	05:36	1	1	5	A31,43
25	20:45				A1,34,37	27	15:45	1-	1	5	A1,4,26,31,34,37
26	13:40	1+	1+	5	A1,4,26,31,34,36,37	28	00:20	1-	1	5	A31,43
26	14:47	1-	1+	5	A1,4,26,31,34,37						

Charts from the following observers were received and analyzed:

A-1, 4, 26, 30, 31, 34, 36, 37, 40, 43

