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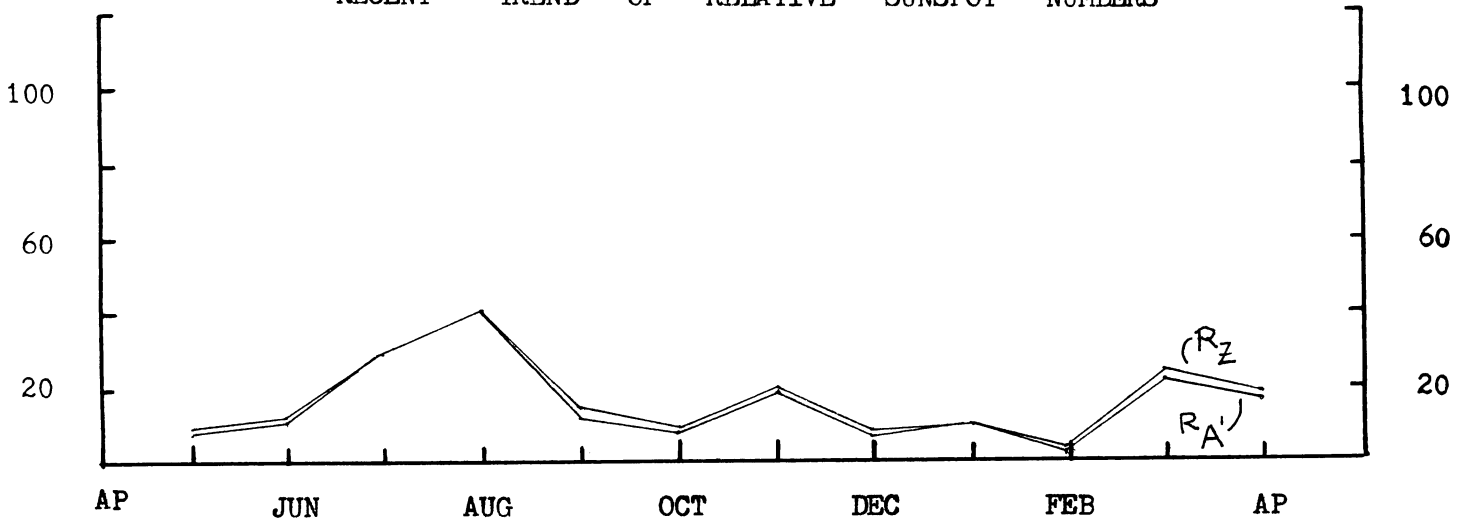
APRIL 1976

SUNSPOT ACTIVITY FOR APRIL

Sunspot activity continued at a high level with the Mean of the American Sunspot Numbers down to 16.9 from 21.1 last month. There were two spotless days. April started with an active southern group which retained its gamma characteristics as it approached the west limb. The spotless period ended when a spot rotated over the east limb late on the eighth. This was undoubtedly the return of a group seen on the central meridian on the 19th of March. Another occurred on the 20th at 10° south and as this spot moved across the disk it was joined by two tiny spots which soon developed into a new group with reverse polarity and beta-gamma characteristics at the end of the month.

Thirteen observers sent charts to be analyzed and several SID's were found. Some of these are reproduced on page two.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING APRIL 1976

AMERICAN (R _A) AND ZURICH (R _Z)			Day Max. SEA SES Def. Observers					Day Max. SEA SES Def. Observers									
RELATIVE	SUNSPOT	NUMBERS	FOR	APRIL	1976												
DAY	R _A	R _Z															
1.	18	26				3	1440	1-	1+	3	A1,4,19,28,31,34,36,37	11	2239	1+	3	A31,34,37	
2.	18	25				3	1930	1+	2	2	A1,19,28,34,37	14	1620	1	4	A1,31,37	
3.	17	22				4	1639	2	1	2	A19,26,28,31,36,37	14	1804	1+	3+	A1,19,31,37	
4.	13	13										21	1233	2	3	A1,41	
5.	10	12				6	1406		1+	4	A1,19,28,31,34,37	29	1918	1+	1	5	A1,4,19,26,28,31,34,37,40,41
6.	8	9				11	1454		2	3	A1,19,28,31,37	30	2112	2	2+	5	A1,4,38,29,31,34,37,40,41
7.	0	0															
8.	0	0															
9.	5	8															
10.	10	10															
11.	13	15															
12.	22	17															
13.	20	17															
14.	16	19															
15.	15	19															
16.	15	19															
17.	17	24															
18.	23	27															
19.	24	27															
20.	27	30															
21.	30	39															
22.	19	20															
23.	15	17															
24.	15	16															
25.	22	17															
26.	25	28															
27.	18	23															
28.	20	21															
29.	21	26															
30.	30	38															
Means	16.9	19.5															

