

Solar Bulletin

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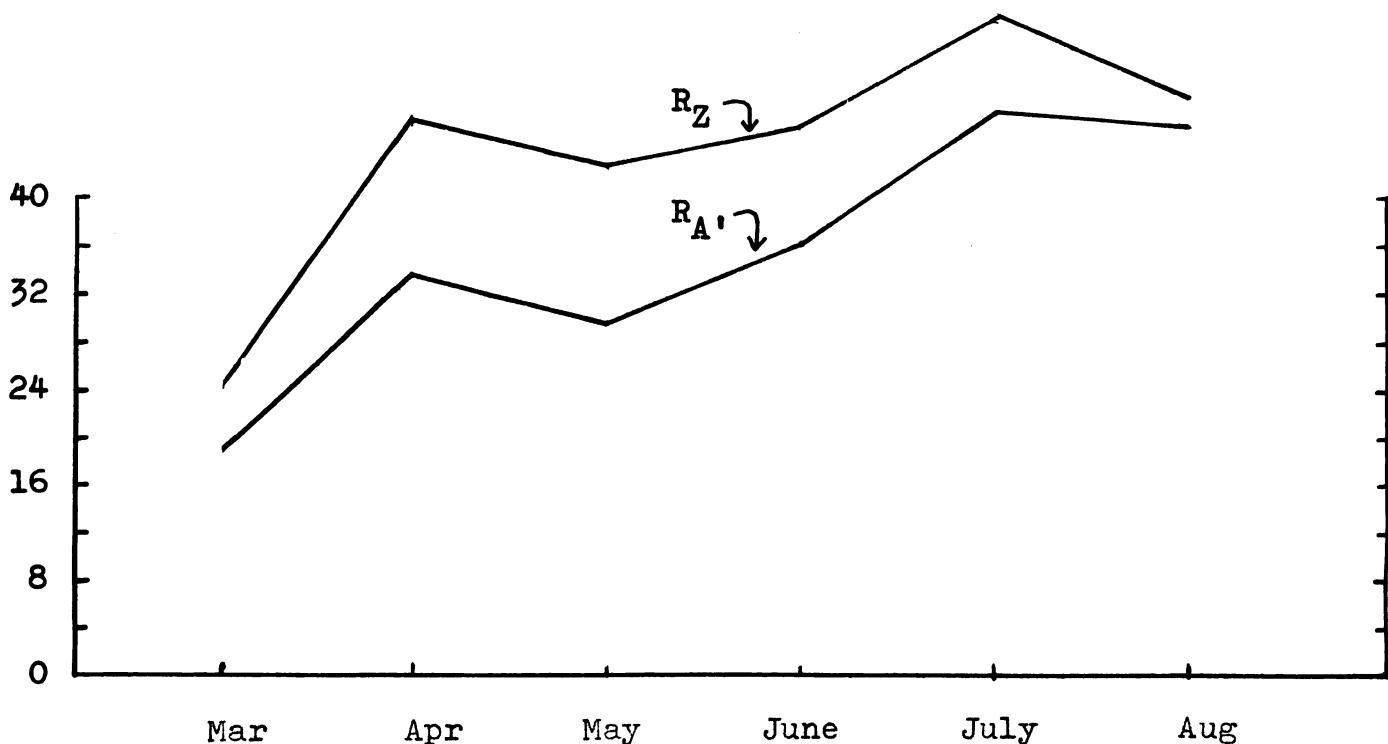
August 1966

SOLAR ACTIVITY DURING AUGUST

Solar activity reached a high level at the end of August when a gamma-type sunspot group reached its maximum development. This group produced a class 3 flare on the 28th as this large group crossed the central meridian. A sudden ionospheric disturbance (SID) associated with this flare seemed more intense than any previous SID during the present cycle. This event was easily recorded, even under conditions that would normally exclude detection of an SID. Harold Molyneaux, an observer in Bermuda reported that that island suffered a 15 minute radio blackout at the time of the flare. An example of a recording of this SID is reproduced on page 2. It was made by Ralph Buckstaff who recently got his SEA equipment back in operation.

Sunspot activity was down slightly from the previous month. The sun was spotless on the 9th and 10th, a condition that had not occurred since May. The southern hemisphere was spotless 23 days compared to 17 days last month. There were 17 sunspot groups having lifetimes greater than 2 days compared to 20 such groups in July.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



SEP 13 1966

AMERICAN (R_A) AND ZURICH (R_Z) RELATIVE SUNSPOT NUMBERS FOR JULY 1966 AND AUGUST 1966

R_A August 1966

mean = 46.1

1	77
2	70
3	69
4	64
5	46
6	40
7	23
8	8
9	0
10	1
11	17
12	24
13	31
14	28
15	33
16	42
17	38
18	33
19	29
20	15
21	17
22	43
23	66
24	83
25	89
26	96
27	95
28	86
29	81
30	51
31	33

R_Z August 1966

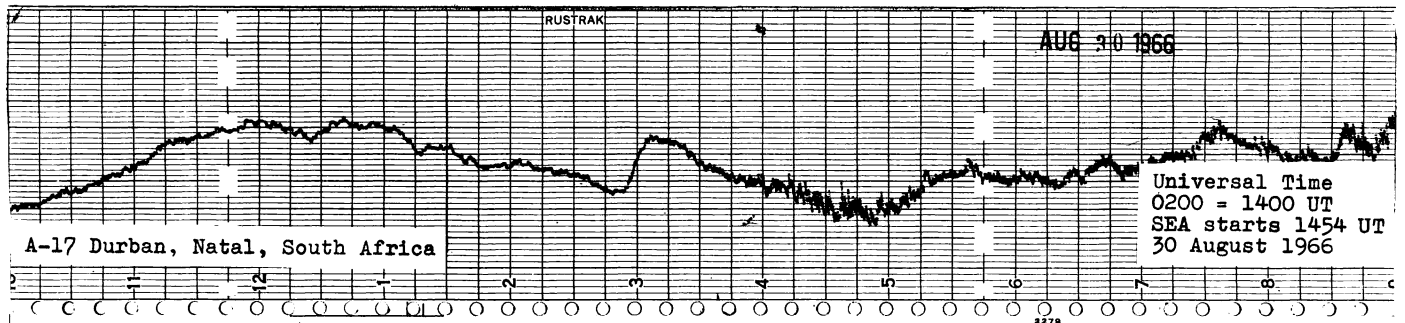
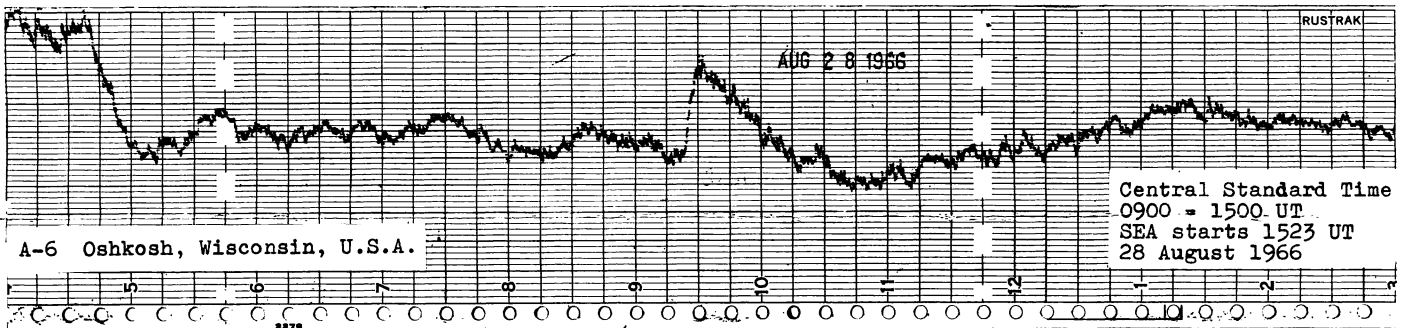
mean = 48.8

1	78
2	62
3	65
4	51
5	53
6	50
7	31
8	13
9	7
10	0
11	16
12	36
13	30
14	37
15	41
16	36
17	35
18	35
19	27
20	24
21	22
22	38
23	65
24	71
25	89
26	95
27	90
28	84
29	89
30	76
31	66

R_Z July 1966

mean = 55.7

1	49
2	49
3	54
4	53
5	48
6	46
7	58
8	68
9	56
10	58
11	52
12	62
13	56
14	37
15	34
16	48
17	42
18	49
19	38
20	65
21	55
22	66
23	56
24	70
25	67
26	74
27	52
28	61
29	76
30	63
31	66



SUDDEN ENHANCEMENT OF ATMOSPHERIC NOISE (SEA) RECORDED AT 27 kHz ON 28 AUGUST AND 30 AUGUST