

# Solar Bulletin

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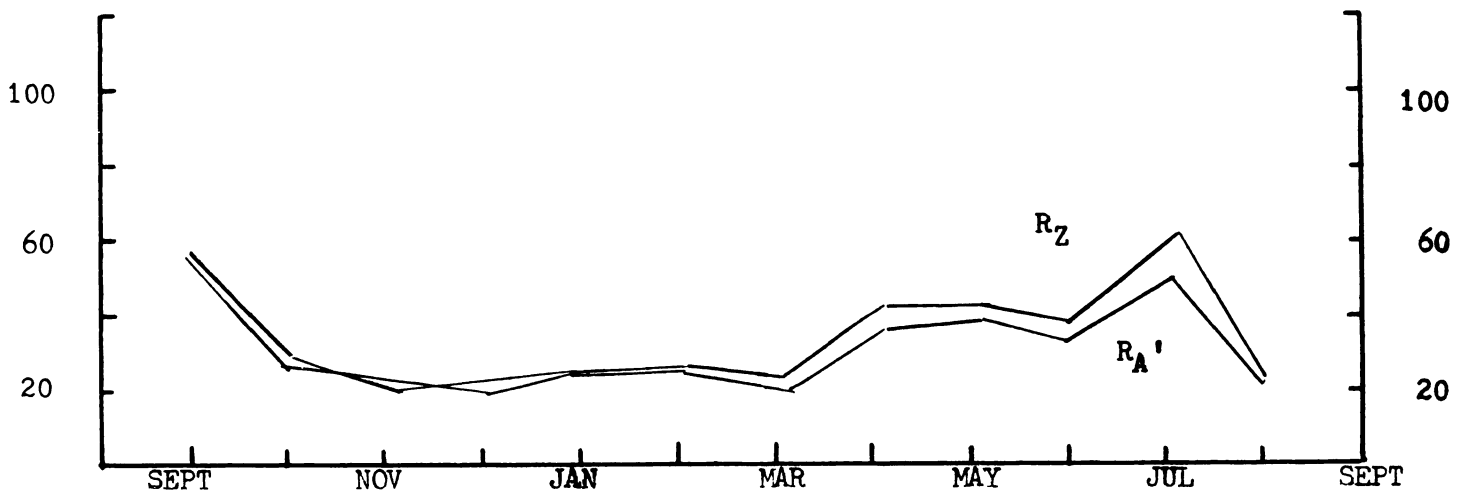
AUGUST 1974

## SOLAR ACTIVITY DURING AUGUST

Sunspot activity returned to the level of recent months. The mean of the American sunspot numbers fell to 32.7 from 50.0 last month. Ionospheric disturbances returned to their normal level also with only five events observed this month compared to 57 last month.

The most widely recorded ionospheric disturbance of August occurred on 1 August. It was of rather low intensity as were all events this month. A recording of this event is shown on page two. Another event on the 8th is also shown which is a single unconfirmed observation recorded by only one observer. It is recorded in the inverted mode. Such events are judged to be real simply by the appearance of the chart. Another recording at another station, preferably on a different frequency, would be needed to say with certainty that an event actually occurred.

## RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN (R<sub>A</sub>.) AND ZURICH (R<sub>Z</sub>) RELATIVE SUNSPOT NUMBERS, AUGUST 1974

| DAY | R <sub>A</sub> . | R <sub>Z</sub> | DAY | R <sub>A</sub> . | R <sub>Z</sub> |
|-----|------------------|----------------|-----|------------------|----------------|
| 1   | 28               | 37             | 16  | 58               | 57             |
| 2   | 20               | 23             | 17  | 51               | 52             |
| 3   | 11               | 12             | 18  | 46               | 44             |
| 4   | 10               | 17             | 19  | 40               | 43             |
| 5   | 19               | 18             | 20  | 29               | 32             |
| 6   | 25               | 26             | 21  | 31               | 28             |
| 7   | 30               | 32             | 22  | 35               | 34             |
| 8   | 33               | 34             | 23  | 34               | 34             |
| 9   | 40               | 45             | 24  | 31               | 28             |
| 10  | 44               | 51             | 25  | 24               | 25             |
| 11  | 55               | 50             | 26  | 10               | 8              |
| 12  | 69               | 67             | 27  | 9                | 8              |
| 13  | 67               | 69             | 28  | 9                | 8              |
| 14  | 65               | 66             | 29  | 10               | 14             |
| 15  | 58               | 59             | 30  | 8                | 8              |
|     |                  |                | 31  | 14               | 15             |

Monthly Means  
 R<sub>A</sub>. 32.7  
 R<sub>Z</sub> 33.7

SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING AUGUST 1974

| DAY | MAX  | SEA | SES | DEF | OBSERVERS              |
|-----|------|-----|-----|-----|------------------------|
| 1   | 2025 | 1   | 1   | 5   | A1, 19, 29, 31, 36, 37 |
| 2   | 1550 |     | 1+  | 5   | A29, 31, 36            |
| 3   | 1435 |     | 1-  | 4   | A19, 36                |
| 3   | 1808 |     | 1+  | 4   | A31, 36                |
| 8   | 1354 |     | 1   | 4   | A19                    |

