SOLAR ACTIVITY DURING JULY

July was a month of few ionospheric disturbances caused by flares. All were of low intensity. The most widely recorded event occurred on the 5th at 1230 UT. Two strip-chart recordings made this day are reproduced on page two. The lower chart shows the event as recorded in Durban, South Africa. It can be seen as a small unimpressive increase of signal strength that would hardly be recognizable on this chart alone but can be confirmed as real by its presence (also small and hardly recognizable) on charts made in New York and Missouri. The upper chart shows the same event as a small SEA that is easily recognized although another receiver only 100 miles distant did not record it at all. All of this points up the advantage of having many widely distributed SEA stations if small low-intensity ionospheric disturbances are to be detected with certainty.

Sunspot activity was off somewhat from the June level. The monthly mean of the American sunspot numbers dropped to 92.5 from 105.5. High sunspot counts were made during the first half of the month when many sunspot groups were to be seen. The highest numbers occurred on the 3rd when many observers counted ten groups.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS