SOLAR PROMINENCE ACTIVITY.

[Reprinted from *Nature*, London, Jan. 6, 1923, p. 27.]

Every half year the Kodaikanal Observatory, India, issues a bulletin giving a summary of prominence observations during that period. The data for the first half of the present year [1922], in Bulletin No. LXX, have just been received. The mean daily areas and daily numbers of the prominences are few, as was to be expected from the cyclical nature of the phenomena, the respective figures being 3.17 (square minutes) and 11.05. Their distribution in latitude shows maxima in the belt 45°–50° in both hemispheres, and is very similar to that for the previous half year; this indicates that a new cycle of activity has begun in the higher zones of prominences. The statistics give further the distribution of prominences east and west of the sun's axis, the activity of the metallic prominences, particulars of the displacements of lines observed in the spectra of the chromosphere and prominences, reversals and displacements of H_a and D_3, and finally, areas and numbers of prominences projected on the disc as absorption markings. These valuable data are of great importance because they provide a complete record of the activity of the sun from a prominence point of view on a homogeneous system.

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BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

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The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Béron, Pierre.
Météorologie simplifiée par l'application de la loi physique au mode de la production: 1° de la chaleur terrestre par celle du soleil; 2° des courants maritimes; 3° des saisons avec les climats; 4° des vents avec les pluies; et 5° de l'électricité avec l'état magnétique; ouvrage indispensable aux marins. Paris. 1863. p. 723–944. illys. 22½ cm. [Extr.: L'Electrologie, nov.–déc.]

Beveridge, William H.
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Bianconi, Gian Antonio.
Sul clima d'Europa all'epoca glaciale. Bologna. 1872. 28. p. 29½ cm.

Bigelow, Frank Hagar.
Treatise on the sun's radiation. Supplement no. 4. Atmospheric radiation, electricity, and magnetism. Vienna. 1922. viii, 89 p. illus. 23 cm.

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On cloud-formation. Nuclei of condensation, haziness, dimensions of cloud-particles. Batavia. 1922. 33 p. 27 cm. (K. Mag. en met. observ. Batavia. Verh. No. 10.)

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