

pecially designed for this exhibit, were on view. One, a normal barometer, invented by Prof. C. F. Marvin, can be read to the ten thousandth part of an inch of pressure.

The Map and Forecast work of the Signal Service I found fully illustrated, complete reports having been received daily, from which forecast-maps were made and printed, similar to those at Washington.

Amongst other interesting things in the Weather Station were: photographs showing every form of cloud, loaned by Harvard University; a view of "the Midnight Sun," with halo, in the Arctic regions; views of "clouds amongst the Alps," presented to Harvard by Mr. Thos. Eccles, of London, Eng.; and some very interesting "photographs of lightning flashes" by Mr. W. N. Jennings, of Philadelphia.



Weather Bureau Station, World's Fair.

The Lick Observatory exhibit consisted of transparencies from photographs of the "Milky Way," moon, planets, comets, etc. In the Milky Way photograph the stars were resolved out of their nebulosity into groups and clusters. Venus, in another photograph, was shown in transit across the Sun, a sight which no one now living can ever see again, as it only recurs in 2004. This

observatory also showed a magnificent picture of Jupiter.

Harvard Observatory exhibited the largest astronomical photograph, a picture of the Moon, taken with their 13 inch refractor on Wilson's Peak in 1889, and magnified 1,440 times. The U.S. Naval Observatory had an exhibit for the special purpose of familiarizing people with its work. To this end it exhibited a specimen observatory.

The University of New York showed the oldest existing daguerreotype, taken in 1840 by Dr. Draper, a letter from Sir John Herschel, and a picture of his father's forty-foot telescope; Germany sent Kirchoff's original spectroscope; London, Captain Abney's photograph of the Infra red solar spectrum; the Earl of Rosse, drawings of the Milky Way, by Boeddicker; and Pennsylvania, Langley's original bolometer.



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