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X. *On a Phænomenon in which the distant objects were seen inverted.* By EDWARD JOSEPH LOWE, Esq.*

ON Thursday, April 17, 1845, at 2^h 20^m p.m., a curious and very unusual phænomenon was observed near Radford, which is situated about a mile W. of Nottingham.

A group of trees at the distance of two miles, and a hill (behind the trees) at the distance of four miles at the most remote portion from the place of observation, were seen inverted in the air and of a gray colour; the inverted phænomenon did not touch the objects of which they were the image, but appeared about 30' elevated above them. There was a haze between the objects and the phænomenon; also the summits of the inverted landscape did not end in blue sky, but were observed also to end in haze. The breadth of the hill was 20°, which was inverted of an equal size, and appeared somewhat to resemble Pendle Hill in Lancashire. The phænomenon was seen for five minutes, and when left still visible; returning an hour afterwards it had vanished. No clouds were visible at the time, and the wind was very brisk.

The morning had been cloudless until 10^h a.m., then few cumuli clouds of small size floated over, increasing in abundance until 1^h p.m., when they began to disappear below the S.E. horizon; at 2^h p.m. sky almost cloudless and the weather warm, soon after perfectly cloudless; at 3^h p.m. cirrostrati formed themselves on N.W. horizon; these increased rapidly, and in an hour covered the sky, which remained overcast for the rest of the day. The barometer fell from 30·596 in. at 9^h a.m. to 30·560 in. at 9^h p.m. (attached thermometer 9^h a.m., 64°; 9^h p.m., 66°); the minimum temperature was 36°, and the maximum temperature 58°·7; the direction of the wind and clouds was from the N.E., and the distant prospect rather hazy. There is a valley of some considerable size in the direction of the phænomenon, but not much water; the principal portion is the river Leen, which is about seven yards wide, and does in some measure take its course in a direction from the observer to the phænomenon.

XI. *On a Magnificent Meteor seen in Nottinghamshire.*

By EDWARD JOSEPH LOWE, Esq.*

ON Thursday, April 24, 1845, a blue meteor, of a most unusual size and brilliancy, was seen near High Field House (lat. 52° 57' 30"; long. 1° 11' W.) in the above county.

The weather had been for the five days prior to the 24th hot, and almost cloudless; for the mean of clouds for that

* Communicated by the Author.