

PROCEEDINGS
OF
THE ROYAL SOCIETY.

1831-1832.

No. 9.

March 15, 1832.

JOHN WILLIAM LUBBOCK, Esq. M.A., V.P. and Treasurer,
in the Chair.

A Paper was read, entitled "Further Notice of the new Volcano in the Mediterranean." By John Davy, M.D. F.R.S. Assistant Inspector of Army Hospitals.

The author states that since the 25th of October, the date of his last communication to the Society, the crater of the volcano has undergone several changes of form, and has now entirely disappeared. He infers from the phenomena observed, that the crater was one of *eruption*, composed entirely of loose materials, thrown up by volcanic action, and not one of *elevation*, that is, formed of rock which once composed the bed of the sea. In July the heat at Malta was very close and oppressive, the thermometer rising more than once to 105° of Fahrenheit, and the western sky had a dark lurid red hue: but these atmospheric states are regarded by the author as independent of the volcano, for the temperature of the air in its immediate vicinity was very little affected by it.

A Paper was also read, entitled "A method of deducing the Longitude from the Moon's Right Ascension." By Thos. Kerigan, R.N. Communicated by Admiral Sir Edward Codrington, F.R.S.

The author has recourse to the moon's right ascension as an element for determining the true meridian of the place of observation: his method being an extension of that given by him in the first volume of his "Mathematical and General Navigation Tables." He gives examples of the application of this method, and considers that with the aid of a chronometer showing the approximate mean time at Greenwich, the longitude of any given place may be determined, either at sea or on land, within very narrow limits of error, and with much greater practical convenience than by the ordinary method of lunar distances.

March 22, 1832.

The Rev. WILLIAM BUCKLAND, D.D. Vice President,
in the Chair.

The reading of a Paper, entitled "An Account of some experiments and observations on the Torpedo," by John Davy, M.D. F.R.S. Assistant Inspector of Army Hospitals,—was commenced.

I