

compained with a small Shower of Rain, which caus'd a great Dust to fall on our Deck ; with the said Breeze we stood away for *Tercera*. The Governor inform'd us that the Fire broke out the 20th of *Nov.* 1720. in the Night, and that the prodigious Noise it made, caus'd an Earthquake, which shattered down many Houses in the Town of *Angra*, and Places adjacent, to the great Terror of the Inhabitants. We took several Draughts of the Island at several Bearings in our sailing round, of which the inclosed is a Copy. Prodigious Quantities of Pumice-Stones and half-broil'd Fish were found floating on the Sea, for many Leagues round the Island, and abundance of Sea-Birds hovering about it. So far the Captain.

An Acquaintance of mine informed me, that in his Passage from *Cadiz* to *London* (the latter end of *April* was 12 Months) he observed the Sea from Cape *Finister*, almost to the Chops of the Channel, to be covered with Pumice-Stones, some of which he gave me.

IV. *A Letter from Mr. Ralph Thoresby, F. R. S. to Sir Hans Sloane, Bart. President of the College of Physicians, and Vice-Pref. R. S. concerning the Effects of a violent Shower of Rain in Yorkshire.*

THE Effects of a violent Shower of Rain at *Riponden*, near *Halifax*, were so surprizing, that I wrote to a Gentleman in those Parts for an Account that might be depended upon ; and particularly desired to know, whether there was not an Eruption of
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Waters

Waters out of the Hills, as the late ingenious Mr. *Townley* of *Townley* wrote me there was out of *Pendle-Hill*, in that at *Star-bottom* mentioned in the *Philos. Transf.* N^o 245. but all the Account I can learn of this is, that what they call the Dashing of two great watery Clouds upon the Hills, occasioned the Inundation; what ever was the more immediate Cause, the Effects were dismal, and so sudden, that tho' it was upon the Day-time, the poor Creatures could not save their Lives. This Calamity happen'd the 18th of *May*, 1722. betwixt the Hours of 3 and 5, when by the modestest Account the Beck was rais'd two Yards at least in perpendicular Height above what was ever known before; which may be easily conceived by the Situation of the Place implied in the Termination *den*, which signifies a deep Valley between pretty steep Hills on each Side. *Fontes in conwallibus*, is in the *Saxon* Version rendered pillar on ðenum *Pf.* ciiij. 2. and *Valley of Tears*, (as this now) *Pf.* lxxxiiij. 6. ðene teopa. Several Houses, four Mills, (some say six) nine Stone-Bridges, and ten or eleven of Wood, are taken down, and the Wheels, Dams, and Sluices, (*Eboracentibus* Goits, from the verbal Noun *geotan fundere*) of most of the Mills that are left standing, broken and damaged; and a great deal of Cloth gone. Fifteen Persons were drown'd, of whom *Jonas Longbothom* and his Servant are not yet found. Seven out of eight in one House were either slain by the Fall of it, or drowned. A young Man escaped by help of a piece of Timber, was turned over and over again, in passing two or three Dams, but at last taken out alive, tho' distracted for the present; but it's hoped he may recover.

The Rapidness of the Torrent was so violent, that it took down the North-side of *Ripponden* Chapel, and carried off most of the Seats. A Man of *Densbury* told

told me, that he saw four of them that were driven to that Town; and the Rector of *Castleford*, who visited me the Day after, inform'd me, that many Goods were carried down so far, tho' above 20 Miles off. It tore up the Dead out of their Graves; at first I was willing to believe it only of an old Woman that had been buried that Afternoon, and so the Earth not fully settled again; but am since informed by a sure hand, that two corrupted CorpSES were driven upon one Gentleman's Land, and as many upon another's. It swept away all the Corn-Land, as deep as the Plow had gone. Some Persons sav'd themselves by forcing a Way out of the Roofs of their Houses, and sitting upon the Ridges till the Floods abated.

I was that Day seized by a smart Thunder-Shower, upon the Moor, as I was coming home.

Leeds, June 5.

1722.

V. *Part of a Letter from Mons. Couzier, Physician in the Infirmary at Alais, to Dr. Deidier, Professor of Chymistry in the University of Montpellier, concerning a new Experiment made with the Blood of a Person dead of the Plague. Communicated to the Royal Society by Dr. Woodward, F. R. S. Prof. Med. Gresh.*

ON the First of this Month I took an Opportunity of beginning the Experiments you had recommended to me, and of which I had promised to give you an Account.