

about it, that there is yet another irregularity in the Tides, which never fails, and is no less extraordinary, than what I have been mentioning: which is, That, whereas between the *Vernal* and *Autumnal Equinoxes*, that is, for six Moneths together, the Course of irregular Tides about the Quartermoons, is, to run all day, that is, twelve hours, as from about $5\frac{1}{2}$ to $9\frac{1}{2}$, $10\frac{1}{4}$ to $10\frac{3}{4}$ &c. *Eastward*, and all night, that is, twelve hours more, *Westward*: during the other six Moneths, from the *Autumnal* to the *Vernal Equinox*, the Current runs all day *Westward*, and all Night *Eastward*.

Of this, though I had not the opportunity to be an Eye-witness, as of the other, yet I do not at all doubt, having received so credible Information of it.

To penetrate into the *Causes* of these strange Reciprocations of the Tides, would require exact descriptions of the Situation, Shape, and Extent of every piece of the adjacent Coasts of *Euzé* and *Herris*; the Rocks, Sands, Shelves, Promontorys, Bays, Lakes, Depths, and other Circumstances, which I cannot now set down with any certainty, or accurateness; seeing, they are to be found in no *Map*, neither had I any opportunity to survey them; nor do they now occur to my Memory, as they did some years ago, when upon occasion I ventured to make a *Map* of this whole *Frith of Berneray*, which not having copied. I cannot adventure to beat it out again.

Monfieur Auzout's Judgment touching the Apertures of Object-Glasses, and their Proportions, in respect of the several Lengths of Telescopes.

This Author, observing in a small *French Tract* lately written by him to a Countryman of his, Monsieur *L'Abbe Charles*; That great *Optick Glasses* have almost never as great an *Aperture* as the small ones, in proportion to what they Magnifie, and that therefore they must be more dim; takes occasion to inform

H 2

the

