

hend that That Boundary will be laid down & marked before the End of next Summer in which Case we must I presume immediately proceed to run the other Lines which I am afraid it will be scarcely possible to do with such Accuracy & Truth as could be wished & by what I can understand there is a greater Probability that any Errors which may be committed will be to the prejudice of His Ldp than to the Detriment of the Proprietors of Pennsylvania. Hoping that His Ldp will be pleased to procure us from able Mathematicians some Scheme or Plan for running the other Boundary Lines particularly that long Line which is to be run at the Distance of fifteen Statute Miles South of the Southernmost Part of Phila^a p. 155 I shall transmit you in order that they may be laid before His Ldp sundry Queries, the Consideration of which will I conceive point out to such Mathematicians as may be consulted the Difficulties which we expect to meet with in the Course of our Work. As it is of the greatest Consequence that in fixing the Spot from which the North Boundary is to be run we come not beyond a Point that may be found to lye at the exact Distance of 15 Statute Miles (horizontally measured) South from the Southernmost part of Phila^a & that in Running such North Boundary or East & West Line we do not by any means suffer it to deviate or decline towards the South, I hope the greatest Attention will be paid to the questions relative to those Matters & that the Mathematicians will in their Answers be as full & explicit as they possibly can, so that none of us may be in doubt about their Meaning. You will observe that among the Rest is one query to this Effect viz. What is a due East & West Line? is a Parallel of Latitude such a Line? or will any Line that makes an Angle with a Parallel of Latitude be a due East & West Line? Which question you'll be pleased to observe I do not ask as if I was myself in Doubt, nor do I think any of His Lordship's Commissioners are in doubt concerning it, but as a Hint was drop't by one of the Pennsylvania Commissioners that They were not satisfied about the Intention of their Constituents with respect to that Matter I thought it my Duty to write to His Ldp concerning it & to point out to Him the Detriment he will suffer in case His Ldp & the Proprietors of Pennsylvania were to agree (which Agreement They may possibly endeavour to make) that the East & West Line which is to be our Northern Boundary, should be run in the same manner as was That from Fenwix's Island, which Line the Chancellor I perceive hath determined to be a due East & West Line notwithstanding I think any Mathematician that should be told after what Method it was run (to wit by Staves set off at right Angles with a Meridian & ranged in a Line) would pronounce that an