them all, as if they were *Currants* or *Goos-berries*, ſo thick as hedges; whereby one man may gather as many of them, as otherwiſe, when they are planted in trees at diſtance, four perſons may do. Expedient is the benefit of this Trade Having diſcourſed of this new way to all here; they are generally inclinable to it; conſidering that the Planting their Trees, as before, at diſtance, and letting them grow high, has been the main obſtruction of that work hitherto, and the loſs of their time and gain: but being in hedges, they will be always young tender plants; and conſequently will be eaſily cut in great quantites with a pair of Garden Sizzers. But there may be ſuggeſted yet another, and perhaps a better way; which is, to ſowe ſome Acres with *Mulberry ſeed*, and to cut it with a ſith, and ever to keep it under. I have alſo bethought my ſelf of a new way, for a few hands to ſerve many Worms, and that more cleanly than before: which alſo will be a means, without more trouble or pains, to ſeparate unhealthy worms from healthful; and by which a great many more may be kept in a room, than otherwiſe upon ſhelves, as is uſual here. Beſides this, I have ſown a little *French Barley* and *Rice ſeed*, and am thinking on a way of un-husking them with expedition, and ſo preparing them for the Merchant, as they uſe to be: But if you can inform me, how they are prepared, you may ſave me ſome labour. If I had any *Coffee* in husks, or any other vegetable commodity, from the Streights to try, I would here make tryal with them. Its like, that ſome of thoſe Merchants that are of your *Society*, and keep a Correſpondency there, may aſſiſt in procuring them. By the latter ſhips I intend to ſend you a New ſort of ſweet ſented *Tobacco*, which I have not yet had time to improve.

A Method, by which a Glaſs of a ſmall Plano-convex Sphere may be made to refract the Rayes of light to a Focus *of a far greater diſtance, than is uſual.*

This is propoſeded by Mr. *Hook*, in conſequence of what was men-

mention'd from him in *Numb.* 4 *pag.* 67, of theſe *Tranſactions.*

Prepare (*ſaith he*) two Glaſſes, the one exactly flat on both ſides, the other flat on the one ſide, and convex on the other, of what Sphere you pleaſe. Let the flat Glaſs be a little broader than the other. Then let there be made a Cell or Ring of Braſs, very exactly turn'd, into which theſe two Glaſſes may be ſo faſtned with Cement, that the plain ſurfaces of them may lye exactly paralell, and that the Convex-ſide of the Plano-convex-Glaſs may lye inward; but ſo, as not to touch the flat of the other Glaſs. Theſe being cemented into the Ring very cloſely about the edges, by a ſmall hole in the ſide of the Braſs-ring or Cell, fill the interpoſed ſpace between theſe two with *Water*, *Oyl of Turpentine*, *Spirit of Wine*, *Saline Liquors*, *&c*; then ſtop the hole with a ſcrew: and according to the differing refraction of the interpoſed Liquors, ſo ſhall the *Focus* of this compound Glaſs be longer or ſhorter.

But this (adds the *Propoſer*) I would only have look't upon, as one inſtance of many (for there may be others) of the *Poſſibility* of making a Glaſs, ground in a ſmaller Sphere, to conſtitute a Teleſcope of a much greater length: Though (not to raiſe too great exſpectation) I muſt add, That of *Spherical* object glaſſes, thoſe are the beſt, which are made of the greateſt Sphere, and whoſe ſubſtance hath the greateſt refraction.

Obſervations About Shining Worms *in Oyſters.*

Theſe Obſervations occur in the *French journal* of *April* 12. 1666. in two letters, written by M. *Auzout* to M. *Dela Voye*; whereof the ſubſtance may be reduced to the following particulars.

1. That M. *Dela Voye* having obſerved, as he thought, ſome