The reſt of this Treatiſe conſiſts in divers Calculations and Tables of Intereſt, and the Value of Annuities for Life on different Ages and Intereſt; and concludes with an Explanation of the ſame, and the Uſefulneſs thereof.

London, Jan. 27. 1742.

IV. *A Letter from Mr.* Joſeph Hobſon *to Mr.* Peter Collinſon, F. R. S *concerning the wonderful* Increaſe *of the* Seeds of Plants, e. g. *of the* Upright Mallow.

Reſpected Friend,

Read Jan. 27. 1742-3. WHEN thou waſt ſo kind as to oblige me with ſhewing thy curious Collection of Rarities, amongſt other things there was, I think, an Ear of *Guinea* Corn, remarkable, as thou well obſervedſt, for its large Number of Grains: Remembering this, and obſerving here a large Plant of the common *Upright Mallow*, which I thought muſt have a large Number of Seeds; I had the Curioſity to count them, and have preſumed, on the Slenderneſs of our Acquaintance, to ſend thee an Account thereof; and ſhall be glad, if the Trifle be in any degree acceptable; as follows, *viz.* The Seeds being diſpoſed in Rings, I counted thoſe which were upon the principal Stems, and there were upon

The

	First.	Rings.
The	1	1100.
	2	1058.
	3	888.
	4	874.
	5	753.
	6	744.
	7	732.
	8	587.
	9	466.
	10	465.
	11	378.
	12	355.
	13	344.
	14	341.
	15	210.
	16	180.
Upon many odd ſmall Stems		724.
Rings in all		10199.
Multiply by Seeds in one Ring		12 Seeds.
Number of Seeds		122388.
Allow for Two large Stems deſtroyed		7612.
Seeds in all		130000.

I then counted the Seeds in ſeveral particular Rings, and found them commonly 14 in each, but have confined myſelf to multiply the Rings by 12, which is moderate, yet makes the Number of Seeds amount to 150000, allowing 7612 Seeds for Two large Stems cut down and deſtroyed, a moderate Allowance,

ance, conſidering Two of the Stems alone contain each above 1000 Rings: Some of theſe Stems were above Two Yards and an half high. I have to add, that this Plant was a Seedling laſt Year, tranſplanted out of the Fields on the End of a ſloping Strawberry-bed; and I counted the Rings in the Middle of laſt *July*, when it had Thouſands of Flowers upon it, which, with Thouſands that muſt ſtill ſucceed, might very probably produce more than 50000 Seeds * more, conſidering 1000 Rings contain 12000 Seeds and more; and if we multiply the Number of Rings actually counted, by 14, the Number of Seeds contained in one Ring, inſtead of 12, we ſhall have an Addition of 20000 Seeds, all which, added together, amount to 200000, the poſſible Increaſe of one Seed.

Macclesfield, Sept. 1. 1742. *Joſeph Hobſon.*

V. Excerpta *ex Epiſtola Cl. Viri* Joh. Ambroſii Beureri *ad* Petr. Collinſon, R. S. S. *de natura* Succini.

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Read Jan. 27. 1742-3. DE Succino non ſolum *negative*, ſed etiam *affirmative*, hæc eſt Sententia mea: Succinum vel Ambram citrinam ſuccum eſſe arborum reſinoſum nego & pernego, ob ſequentes ratiunculas. Primum mihi non veriſimile videtur *iſtum* ſuccinum per terram tranſire in mare: nam

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* Even ſuppoſing many of the Flowers to produce no Seed.

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