(4071)

An Account of some BOOKS.

I. De ANIMA BRUTORUM Exercitationes due, prior PHYSIOLOGICA, altera PATHOLOGICA, Auth. Thoma Willis M.D. Philof. Natur. Prof. Sidlej. Oxon. nec non Med. Coll. Lond. & Soc. Reg. Socii. Oxoni, d. 1672. in 4°.

Hat the Learned Author of this difficult Argument had heretofore promised, he now in this Eook with much care performeth; which is the Pathology of the Brain, and the Nervous kind, explicating the Diseases that affect it, and teaching their Cures; together with some previous Physiological Considerations of the Soule of Brutes.

And because it may, by some, be thought somewhat paradoxical, that he assigneth to that Soul, whereby both Brutes and Men have life, sense, and local motion, not only extension, and as 'twere Organical parts, but also peculiar Diseases, and appropriate Cures; and because also he distinguishes this meerly vital and Sensitive Soul from the Rational, to which he makes it subordinate, and so maketh man a Double-soul'd Animal; he maketh it first of all his business to clear these matters, and to free them from what may seem offensive in them.

In the doing of this he denieth not the Corporeity of the Brutal Soul, esteeming, that both by considerable Arguments, and by very ample, ancient and modern, Suffrages, the fame may be evinced; and besides, that its Bipartition is by a necessary consequence deducible from the flammeous Life of the Bloud, and the lucid or Æthereal substance of the Animal Spirits; both which he hath formerly afferted, and endeavoured to prove. For, if it be granted him, that the Vital portion of this Soul, lodging in the Bloud, be a kind of Fire, and the Sensitive part be nothing but an Aggregate of Animal Spirits, diffused all over in the Brain and Nerves; he draws this consequence, That the Soul of a Brute, co-extended to the whole Body, hath not only many and distinct, but also somewhat dissimilar, parts. And if it be objected, that the Soul of a Brute is immaterial, because it perceiveth, or is aware that it feels, Matter seeming incapable of Perception; he Ttt answers.

answers, That that would be very probable, if that Terception did exceed the bounds of things material, and were of a higher pitch, then what is generally ascribed to Natural Instinct, or Idiosynerasis: Adding, that none is like to undertake to prove, that the Omnipotent Maker, and First Mover, and Constant Governour of all things should not be able to impress such powers upon Matter, as might be proper and sufficient to perform the functions of the Scnsitive life.

And as to what he further afferts, That some people are more, yea sooner and rather sick in their Soul, than in their Fody; (whereas Physitians do commonly in Schools refer the principal Seats of all Diseases to the solid parts, and the humors, and vital spirits;) in this he speaketh consonantly to his Hypothesis: For, since that that Soul hatha material Feing co-extended to the Fody, and peculiar parts, powers and affections, he rationally concludeth, that it is subject also to preternatural affections, and frequently needs the Physitians aid.

Besides, he esteems to have made it out in his Pathology, That the Corporeal Soul extends her Diseases not only to the Fody, but also to the Mind or the Rational Soul, and often involves the same

in her defects and perturbations.

Moreover, he thinks to have also proved from reason and authority. That there are in Man two distinct Souls, subordinately; and esteems this opinion to be so far from being Heretical or pernicious, that on the contrary he hopes, it will prove altogether Orthodox, and conducive to a good life, and a powerful consutation of Atheisin.

But to the end that the Author might the better inform his Reader of the Corporeal Nature, and the flammeeus and lucid parts, and the affections of the fame, he found it necessary both to describe the vital Organs of divers Animals, by whose operation the Lamp of Life is maintained; and to represent also the Brains of those they call perfect Brutes, and of Man, discovered by him as to their inmost recesses, and their secret and smallest ductus's. By which manifold and comparative Anatomy, as the manifold and wonderful wisdom of the Creatour is manifested; so are by the same discovered, even in the smallest and most despicable Animals, not only mouths and limbs, but also hearts, being as 'twere so many alters and hearths to perpetuate this vital flame. Here

the Reader will meet with very skilful and accurate Dissections of the Silk-worm, Oyster, Lobster, Earth-worm; as also of divers Brains; and first, of that of a Sheep, in a manner excarnated, to make the Medullar streaks, and its immost fabrick to be seen: And secondly, of a new one of an Humane Brain; where, a Section being made through the falx, the Corpus callosum and the Fornix, and their parts displayed and orderly laid open, are exhibited the streaked bodies, as also the Optick and Orbicular prominencies, erc. That so by confronting these Brains, the vast difference of the Soul of a Brute and that of a Man may the better be shewn.

Concerning the Pathology of this Author, he confesseth, that in delivering the Theories of Diseases he hath relinquish'd the Old way, and produced mostly new Hypotheses; which being founded and established upon true Anatomical Observations, give a better account of the Phenomena of the sick, indicate more aptly the causes of symptoms, and suggest properer waies of curing them. But as to Remedies and his Therapeutical Method, though therein he doth not with others scrupulously insist in the sootsteps of the Ancients; yet he rejects nothing that hath been settled by sober Authority, and by long Experience; adding thereunto many things invented by late Experience, and by Analogy. All which he hopes will prove useful both for improving Medical knowledge, and the happier curing the Diseases of the Head; which he enumerates, and discourses upon, both as a Naturalist and a Physitian.

II. Suite des nouvelles Experiences sur la VIPERE, avec une Dissertation sur son VENIN; par Moyse Charas. A Paris 1671, in 8°.

His is a Sequel of Experiments, made by the skill and industry of the same, that was the Author of the Tract, entituled Nouvelles Experiences sur la Vipere, formerly described in Numb. 54. and since English'd out of French, and printed by Mr. Martyn at the Bell in Pauls Church-yard. It is made by the Author in his own desence against a Letter of Signor Redi, publisht in Italian against some Experiments of the Author's former Book, and described in Numb. 57. In it M. Charas expresseth, that he is so far from changing his opinion upon his examining

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Signor Redi's Letter, that he is much more confirmed in it:

The Controversie consists chiefly in this: 1. That Signor Redi will have the Jellow liquor contain'd in the bags of the Teethgum of Vipers to be the only and true feat of their Venous. 2. That this liquor is indeed not Venomous being taken at the mouth, but only when let into a wound, made either by the live Animal, or even by a dead ones teeth, thrust into ones flesh after 3. That the same Juice drawn from a dead Viper, as well as from a live one, is alwaies venomous, if it pass into a wound and mingle with the bloud of the wounded Animal, whether it be liquid, or dried to powder. 4. That it kills generally all forts of Animals being wounded, and receiving of this liquor into the wound. Whereas M. Characasserts, 1. That the Venom of Vipers is only in the enraged Spirits. 2. That the Jellow liquor, as well of a live and even a much angred Viper, as of a dead one, bath no Venem at a'l in it, neither in the biring, nor when taken inwardly, nor let into a wound and mixt with the blond, nor any other way; and confequently that it kills and infects no kinds of Animals, but is a pure and very innocent Saliva.

To make good these affertions, M. Chartes assume to have made new Experiments, in the presence of two or three hundred persons, Physicians and others, capable to Judge, and of great veracity; and to have found abundant cause to adhere to the result, the had made from his former tryals, viz. That never any one Animal of all those, he wounded, died of the jellow liquor let into the wounds, though drawn hot from the bags of the gums of Vipers much enraged. These Experiments are at length described in his Book.

If it be faid in favour of Signor Redi, That the diversity of Climats, or of food also, may change the nature of Vipers, and cause that manifest difference between the Experiments; M. Charas answers, that it cannot be, That the nature of the Jellow liquor, and that of the Spirits should be so quite changed; because, that in France the same marks are found in the Jellow liquor with those described of Italy, and that the French Vipers do, without an intervention of the said liquor, kill as readily, as those of Italy can do. And he adds, that he bath verified it by very many Experiments, That all the Vipers of France, though taken in very different

different places, and those often distant from one another above an hundred and twenty Leagues, do all kill equally.

And, as to the bilious expirations of Vipers, which may intervene with the Jellow liquor and render it venomous, he faith, That

that is nothing but the angred Spirits under a disguise.

Now touching the enraged Spirits of Vipers, our Author, though he calls them Spiritual, or not Material, and maketh their Venom not visible nor palpable, yet certainly he will be underfrood to speak for in comparison to the Jellow liquor, which is a visible body; for, 'tis beyond all doubt, that those irritated Spirits are corpufcles, though not fuch as may be feen and handled like the said liquor, nor such as you may assign a particular place to in the body of the Viper, where they lodge; though it may be faid, that being raifed and severed either from the mass of the bloud, or rather from the whole habit of the body, they rendevouze in the head, being stirred up by the concussion and great commotion, which the Viper feels in her whole body when vexed; whereupon follows an eagerness of being revenged for the ill done them, and then a quick and fiery action of the Spirits thus enraged. Nor can he mean, that these Spirits have neither place nor extension; for how could they part from the Viper without having been in her body; and, how could they enter into the body of the Animal bitten without being there.

Further, to illustrate his notion of the Idea of the Viper for Revenge, he alledgeth the imagination of terrour by a Toad impressed in a Ferret, which having seen and been seen by that nely Animal at a certain season of the year, and that alwaies in Summer, cannot avoid running round about it, crying out aloud as if it call'd for succour, whilst the Toad remains unmov'd with its throat open, and being at length, by that imagination, forced to furrender it self into that throat; as he affirms to have seen himfelf. and to have even kill'd the Toad at that very instant, and so faved the Ferret, which ran away. He alledgeth likewife a Mad Dog who can communicate his malignity to all forts of Animals, none excepted: And why not then Vipers, conveigh their angry Spirits into fuch Animals as they meet with, and by them kill those they have bitten? Which, he faith, they execute by the perturbation and corruption, they introduce in the whole mass of bloud, forasinuch as they obstruct the circulation and communication of

the natural Spirits through the body. He adds the example of Men, capable to cause a grangrene and death it self by biting in choler; whereas no such accident comes to pass, when they chance to bite one without choler. He concludeth this discourse with the sting of a Tarantula, which he conceiveth to be accompanied with an imagination, fo strongly impressed in persons that are flung by it, as that their Spirits are perverted, and made conform to the agitating nature of the same, and constrained at certain times by certain tunes to dance, and to return to fuch motions To confirm which, he relateth an example of a Neaevery year. politan Souldier, who, he faith, hath been these four years in the French Infantry, and is still in the Royal Regiment of Roussillon. This person never failed to feel every year at a determinate time (viz. about the 24th. of July) the effects of that sting, which he had received before he came into France. And when the Idea's of the sting were found exalted to a degree capable to produce their effects, he began to dance, and would hear without interruption the Violins, which the Officers of that Regiment caused to be play'd for him out of charity; to which he answer'd continually, keeping his time very well, without being tired, during three daies, eating and drinking without interrupting his dances, and being very impatient at any discontinuance of the play of the Violins. But on the fourth day his eagerness to dance abated. when he remembred all he had done, and knew all that were about him; after which time, he passed the rest of the year without any This Souldier, he faith, to have been feen inclination to dance. thus to dance every year by thousands of people, and particularly in the Camp Royal 1.1670, where the King himself, and the whole Court saw him.

Lastly, M. Charas esteems, that Signor Redi would do well, if, for the satisfaction of the Publick, without standing up any longer for the venomousness of the Jellow juice, which he thinks hath been so rationally contested with him, he would take the pains to look after some other thing, that might be common to the Vipers of France and Italy, and that might have the same disposition of matter, the same power of acting nimbly, and deserve to be equally declared to be the true seat of their Venom; that so Signor Redimight as validly exclude from it the enraged spirits, as he (M. Charas) now does the Jellow liquor: But if he can find none such,

our Author thinks, he can have no ground to maintain his opinion, or contend against that of the vexed Spirits any longer.

III. The GHIRURGICAL and ANATOMICAL Works of Paul Barbette M.D. Practitioner at Amsterdam; together with a Treatise of the PLAGUE. English dout of Low-Dutch. London 1672. in So.

HE skilful and diligent Author of this Eook feems to have fet down therein that Practice, which Reason and Experience, after a careful reading of the best Authors, and an exact Observation of several Operations, had taught him to be the safest, convenientest, and most easie. This he hash done in a few Chapters, rather inserting in short his Observations in the very descriptions of the Diseases, than to waste the Readers time with a prolix Discourse; to the end he might not repeat in particular Diseases, what he had first set down in generals.

Tumors, Wounds, and Illeers, which neither in Cause nor Cure dister, he hath reduced under one head; contrary to what most Writers use to do, who only from the disserence of the Part and Member assed disserence the Diseases, which ascerwards, giving them new names, they multiply without any use; and so they reader that Art, which is dissipult enough of it fulf, much more

difficult.

Those Medicaments, which he hath delivered in this Eook, though they be few in number, yet are by some able Judges effected of great vertue; which the Author affirms to have sound out by vast pains and no small charges, and for the safety of which he alledgeth the confirmation of daily practice.

And because Anatomy is the main foundation of Chirusgery, the Author hath thought good to annex so much of it, as may be necessary for the Art; of all which he shews the Uses of it in the

fame.

He subjoyns also a small Treatise of the *Plague*; discoursing of its Causes, Symptoms, Observations, and Cure; and illustrating all with divers select Practical Observations.

Timed for John Mariju, F

IV. The AMERICAN PHYSITIAN; or a Treatife of Roots, Plants, Trees, Shrubs, Fruit, Herbs, &c. growing in the English Plantations in America: whereunto is annexed a Discourse of the Cacao-nut-Tree, and the use of its Fruit. By W. Hughes. London 1672. in 120.

Though the Author of this Tract do only promise in the Title of it to give an Account therein of the Vegetables growing in the English Plantations of America; (which is of good use, forasinuch as it may make a part of the Universal History of Nature, now more than ever laboured after by the generous Philosophers of this Age;) yet he indeed performs more: since he presents his Readers with several particulars, that are without the Sphere of the Vegetable Kingdom; such as are the White-Coral-Rocks, to be found upon the Coast of Jamaica, as well as in other parts of America; the Sea-star-Fish; the Allegator; the easy way of making good Salt in Jamaica: For the particulars of all which, we refer to the Book it self.

ERRATA in Numb. 82.

Page 4051. line 17. read, are 1044, instead of, are 144. Ibid.l.34. r. and the other two, instead of, 50 of them.

LOND O-M.

Printed for John Martyn, Printer an the Royal Society. 1672.