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Contributors

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MEMORY.

OF

THE

A TREATISE useful for all; especially such as are to speak in Public.

The Second Edition corrected and inlarged.

By Marius D' Affigny, B. D.

Omnis Disciplina Memoria constat, frustraque docemur, si quicquid audimus præterstuat. Quintil: lib. 11.
Rerum omnium thesaurus Memoria est. Cic. 1. de Orat.
Constat Memoriam habere quiddam artificii, & non omnem à natura proficisci. Cic.

London, Printed for Andr. Bell at the Crofs-Keys and Bible in Cornhil. 1699.



To the Young Students of both Universities.

(V)

I Need not tell you, Gentlemen, how useful this Art is and may be to you, whatever Imployment you are to undertake in Church or State. As it is the most desirable Faculty for inriching your Minds with rare Sciences and Knowleges, and the gathering from your Stations those rich Jewels that will cause you one day to appear the greatest Ornaments of your Age and Nation; it is also the most excellent Ability for the improving of all your natural Perfections, and procuring to you a real Happines in this Life, and an eternal Felicity in the next.

Seeing therfore so many and apparent Advantages depend upon your Memories, and the Improvement of them, pray be not wanting to your selves; neglect not this Gift of God, suffer it not to be idle and useles, but imploy it for the Purposes intended by the Donor's Wisdom and Bounty.

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vi An Address to the Youth

If you have capacious and officious Memories, able to receive, contain and preferve much, keep them not as empty Bladders, puft up with Wind and Fancy, but fill them, while you are at the Fountain, with the profitable Knowledg of God and Nature, 'of found Learning, of true Wifdom, and of those liberal Arts and Sciences by which you design to be useful and do good in your Generation.

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Let your Elevation be never so great, and your Birth never so considerable, Learning, Knowledg and Wisdom will add a greater Splendor and Glory to your. Nobility, and procure to you a greater Veneration from those who are to be subject to your Commands and Authority. Picus Father and Son, Earls of Mirandula, tho Men of great Eminency in our late days, thought the exercise of their Memories in the studying of all manner of Sciences to be no Diminution to their Nobility, but rather a considerable Increase to their native Honor : for one of them publisbed at Rome Theses de omnibus Scientiis, with a promise to defray the Charges of those Learned Men, if poor, who might bave

of both Universities. vii

have the pleasure to travel to oppose and dispute with him. And if you please to look into Antiquity, how many noble and famous Men, how many Kings and Prin_ ces have purchased to themselves everlast. ing Renown by the Exercise of their Memories, by their Industry, Studies and great Learning? Cato the Elder, at the Age of 80 Years, pleaded his own Caufe when accused by his Adversaries of a Capital Crime; and it was observed, that neither his Memory fail'd him, nor his Countenance changed. Themistocles, that Noble Athenian, could call all his fellow Citizens by their proper Names; and when banisb'd into Persia, he learnt in a few months the Persian Tongue, that he might be able to speak to K. Darius without an Interpreter. And in our late Ages K.Alphonfus, Averroes, and Avicenna, were noted for their Learning as well as their Nobility.

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Memory is a rich and precious fewel, if polish'd, used and improved; but if suffer'd to be idle, it is as a Pearl of great value in the hands of a slothful or ignorant Artist.

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viii An Address to the Youth

To this purpose Erasmus speaks very well: Ad nativæ Memoriæ vim natura felicem accedat intelligentia, cura, exercitatio & ordo. Ad memoriam confirmandam non nihil opis pollicentur medici : sed præter ea quæ diximus plurimum confert perpetua vitæ sobrietas; nam crapula & ebrietas ut ingenium hebetant, ita memoriam prorsus obruunt. Officit etiam curarum varietas, & turba negotiorum; officit & tumultuaria diversorum Voluminum lectio. And again he saith, Optima memoriæ Ars eft & penitus intelligere, intellecta in ordinem redigere, postremo subinde repetere quod meminisse velis. Certainly such have a great advantage who are gifted with a large Memory; but it can yield neither them nor others any benefit, unless they imploy this Gift for the Purpojes design'd by God in the Donation. And let it be never so strong and large by Nature, it may be improved and increased by Art, and their Industry, to the completing of their Felicity both tempoial and Eternal.

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But if Nature Seems to deny some of you this Advantage, and you are not so ready and perfect as others in the use of this excellent Ability, you are not therfore to slight the least Gifts of God in your Creation, but still to indeavor the Improvement and Increase of them. Let your Labor and Industry strive to Supply the Deficiences of Nature, and polifb this Gift, this precious Jewel, by a continual Exercise: Demosthenes, the Prince of the Greek Orators, had such natural Imperfections, as made him unfit to speak in Public; yet by his resolute and virtuous Indeavors he attain'd to the highest pitch of Perfection and Glory in Oratory. Art may procure to us divers Excellencies which . Nature Seems to keep from us; and the Diviné Bounty grants many times to our affiduous Labors what was refused to our Birth at first. The sparing Hand of Nature in bestowing this Ability sould rather provoke.our Resolution to get it by other means, than çause us to flacken, or discourage our Indeavors; for according to the old Greek Proverb, To' Susnoha nahà, the greater Difficulty in the Attempt, the greater.

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x An Address to the Youth

greater will be the Glory and Satisfaction in overcoming it : for of all the Perfections of the Mind there is none more capable of a greater Improvement than Memory, and none will reward our Labors with more Satisfactory Returns than this excellent Ability when we can attain to any perfection. Pray confider therfore, you who are like to want the use of this rare Faculty in the following course of your Lives, and in the Imployments you design to ingage your selves in, how much it concerns you now to polish and increase your Memories, and exercise them frequently: for as a Roman Author observes, Memoria minuitur nisi exerceas cam. Tho the Labor may be great at first because of your natural Imperfections, the Difficulty is to be overcome by Art; and what is wanting to you in Nature, the other will Supply in time. Pray weigh and consider these seasonable Verses applicable to my Purpose,

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of both Universities. xi

- Quisquis desidiam, luxumq; sequetur inertem,
- Dum fugit oppositos incauta mente labores,
- Turpis inopsq; simul miserabile transiget ævum.

The Advantages that the Exercise of Memory will procure to you are innumerable; to you, Gentlemen, chiefly, who defign to instruct the Nation from the Pulpit : for besides the Honor, Glory, and Esteem you will thereby obtain from your Congregations by this way of Delivery; besides the greater Efficacy and Power that your Words and Preaching will have on the Minds of your Auditors; besides the promoting of the Glory of God, and perhaps the persuading of a greater number thereby to forsake the broad Road of eternal Perdition, I must needs tell you, you will quickly find an unspeakable Benefit in a few years; and your great Pains at first in conquering your natural Weaknesses will be fully recompensed with a greater Ease, Pleasure and Delight in the publishing

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xii An Address to the Youth

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publishing of your Meditations. You will find that this way of Delivery will smooth and polish your Conceptions and Fancy: You will find it will unty your Tongues, and make you more ready to express your selves: you will find your Labors to be the lefs, your Preaching more acceptable, your Improvements greater, your Learning more found, and your felves able on a sudden to answer all Gainsayers; for by this means the Body of Divinity will become as familiar to you as your Pater Nofter. Antifthenes, the Athenian Philosopher, when a Friend complain'd he had lost his Book where he had recorded weighty Matters, told him that he ought not to have trusted things of so great Importance to Pen, Ink and Paper, but to his Memory, where he should always have found 'em ready in time of need.

There is one Advantage more we shall receive by the exercise of our Memories. How considerable it may be to us, and what Influence it may have to increase and inlarge our eternal Happiness, we may at a distance guess : for thereby the Soul will be inabled to increase its Abilities, Faculties

of both Universities. xiii

ties and Graces, which have a natural Dependence on this of Memory, and that also will be inabled to retain more ; because there is a strict Union and Communication of all the Perfections between the Soul and the Body, so that if one of them receives an Inlargement, it conveys the same benefit to the other, and the other becomes more perfect and accomplished in that Ability which its Partner injoys. The Exercise therefore of Memory will not only inable the Organ now to perform more perfect Acts, and inlarge the Ability while the Soul is in conjunction with the Body; but at its Separation, and at the great Morn of the Resurrection, this Perfection with all the rest, being as immortal as the Spirit where it is fixt, and to which it is conveyed, by our constant Indeavors and corre-Spondence with the Body, will then appear. more compleat and greater, for the better reception of future Glory and Bliss; and to our everlasting Comfort and Satisfaction: Therfore as St. Bernard very well expresses himself, Ad æternitatis Gloriam acquirendam nullus labor durus, nullum

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I would not have those Learned Gentlemen of my Function be displeased with this Exhortation and Advice to the Students of our Universities, as if designed to undervalue their wife and profitable Meditations, pronounced with the assistance of Book from the Pulpit. Our Nation is used to this way of Delivery; for we are wont, as we ought, to weigh the matter, more than the manner of the Publication. Nor can they after a long Usage change their Custom of Preaching. But for the Young Men coming up to Supply our Places in Church and State, 'tis now in their power to alter this Custom, to exercise their Memories, and imitate the Learned Men of other Nations : 'Tis now in their power to use themselves to such a Practice as may be to the Glory of God, the Salvation of Souls, the Credit of our Church, and infinitly beneficial to themselves.

I recommend therfore this Treatife principally to you, Gentlemen; and let nothing hinder you from the exercise of your Memories, and the practice of the Rules here

of both Universities. xv

here prescribed, which I assure you from Experience have proved effectual to overcome the Weaknesses of Nature, and inable frail Memories to perform the Acts of large and strong ones. If some of them seem common, despise them not, they will be no less useful if put in practice. I have not only confulted my own Knowledg and Experience, but also set down the Advices of several Learned Men about this Subject, and borrowed from able Physicians several approved Experiments for strengthening the Memory.

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However, I intreat you to accept kindly of this Indeavor for your Benefit and the Public, and this fincere Expression of my earnest desire of your Success and Advantage, and of the Prosperity of our Church and Nation.

I befeech God of his Infinit Bounty to make you all useful in your Generation, to inlarge your Memories, increase your Learning, bless your Abilities and Graces, and preferve you to his Eternal Kingdom. Amen.

THE

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CHAP. I. Of the Soul or Spirit of Man.

E Excellent and Wonderful Frame of the Human Body, wherein the Wildom of the Creator shines to beautifully and apparently before our Eyes, being but the Cabinet of the Soul, or the outward Shell, made on purpole to receive and entertain this immortal Creature, gives good reafon to imagin that this Jewel is far more excellent and of greater Worth. Certainly our Wife Maker had no mean Effeem of this Mafterpiece of the Creation, feeing he has caus'd all visible Beings to be defign'd for the Good, Affistance, Pleasure, Recreati- M on, Happiness, and Glory of Man. Thereore at the first forming of Adam, the Sared Trinity proceed with Deliberation, ind act together with an extraordinary Care and Confultation ; Let Us make Man after our own Image. Man bears both

body & And

the Soul the The Art of Memory. gourne in Body and Soul a lively Refemblance of The minor the Unity and Trinity, and the Relation that Almighty God has to this great hody World. For as this universal Spirit gives Me Life and Motion to every Member and Part, and supports the whole Fabric by an Le new over-ruling Providence, and comprehenfive Spirit; thus the Soul is the first and only Principle that actuats, governs, and moves the Microcolm, the Body, and every Senfe Konne and Member, being in the whole, and instire in every Part. In the Godhead there is a Unity that admits of no Division, an Omnipotent Spirit, not subject to the Infirmities of Separation or Partition. And is not the Soul or Spirit of a Man in this Excellency, the Reprefentation of his Heasvenly Maker? It is a Unity not to be divided nor cut in parts; it discovers it self in the whole Body, and by its Operations in every Member produces differing Acts according to the Diversity of the Organs. In the Godhead we are inform'd by the Sacred Penmen, that there is a Trinity of Perfons, the Father, the Son, and the Holy Ghoft: Likewife in the Soul of Man we find three remarkable and diffinct Faculties, the Understanding, the Will, and the Memory; which tho they be three Abilities or Powers, are but one Soul or Spi-Of this Refemblance between God rif. and

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The Art of Memory. and the Soul, Seneca feems to be fenfible, when he inquires, Epist. 32. Quid alind voces Animum, nifi Deum in humano corpore hospitem? And S. Auftin in his Treatife of the Trinity, exprefly confirms the Truth of this great Mystery by this Parallel with the Soul of Man. Man prave therfore being the living Image of his Creat tor, participats in some measure of the Excellency of that Eternal Being; who in all his Proceedings in relation to this Creature, expresses a high Esteem of him, and of his Immortal Spirit. For him he feems to have rais'd, beautifi'd and adorn'd this great Fabric of the World, putting all things in fubjection under his Feet, and made him as it were a visible God, to govern, dispose of, and command all the Creatures that inhabit the four Elements. For him he has kindled fo many glorious Lights in the Firmament above, fending down from thence the continual Expressions of his Kindnefs and Goodnefs to Man. For him the World is maintain'd, and the Omnipotent Hand of Divine Providence supports and continues all things intire, for the completion of that appointed Number of Mankind defign'd for Happinels, from the beginning, By the Divine Wildom. And fince Man has wilfully forfaken his Maker, and join'd himfelf in Rebellion with the Apostat Spirits, God's Mercy

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has not totally rejected him, nor debarr'd him from a Return; but on the contrary he invites him back to himfelf, with the greateft and most indearing Expressions of Love, Kindness and Esteem. The Divine Mercy values the Souls of Men at fo high a rate, that it has given an infinit Price to redeem them; and imploys the Agency of an Omnipotent Spirit to fanctify and prepare them for the noble Purpofes for which they are defign'd. If the Souls of Men had not bin full of Excellency, and of a great Value, would the Eternal Wildom fuffer the Son of God to forfake his Glory, and stoop to low to fetch them out of the Depths of Everlasting Misery? Would he have join'd himfelf to this Being, and took upon him our Human Nature? Would he have thought no Pains nor Suffering too great to purchase them to himself? Would he have open'd for them the Treasuries of Immortality to inrich them, and commiffion'd his Holy Spirit to polifh and purify them from the Remains of Corruption? Would the Glories of the Heavenly Manfions be preparing to receive these Souls, and the Bleffed Spirits Above attend to conduct us in our Paffage thicher, were there nothing in us worthy of to great Love, Care, Expence and Labor? It plainly appears therfore, by the actings of Divine Wildom,

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Wifdom, and the proceedings of the Spiritual Beings, who in reason ought to be well acquainted with the real value of the Spirit of Man, that it is of a Divine Excellency, and far more worth than the whole World; feeing they have no fuch regard for any created Being befides, as for this visible Governor of the Universe.

If therefore man's Soul is a Jewel of fuch extraordinary Worth; if God and the Superior Beings have fo great an effeem for it; certainly Man should have no less for this better part of himfelf. However, it is a Madnefs to profitute the Interest of the nobleft Part to the Lufts, Follies, and Corruption of the vileft; and prefer the deceitful, momentary, and counterfeit Satiffactions of the Body to the real and everlafting Advantages of the Soul: A Weaknels not exculable in a Rational Being.

And if the Abufe of fo Divine a Part of our felves be Criminal, the Neglect is Hainous. Remember, O Man! that this Rich and Spiritual Jewel is by thy Creator's Wildom committed to thy Care, and recommended to thy Endeavors to be polish'd and fitted for the adorning the heavenly Sanctuary above. As there are divers Imperfections belonging to it in the prefent State, that render it incapable of fo high an Advancement, and which must of necessity be first remov'd B by

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by our Religious Practices; fo there are feveral Ornaments, Excellencies, and Improvements requifit before it can expect fo great an Honor. It is not possible to leap from our vile and mean Condition of Sin and Corruption, to the injoyment of the Prefence of a Holy God, without a due Preparation, or in a moment of Time. We are to draw near by degrees, and labor to attain to those Indowments of the Mindthat may predispose and recommend our Souls for the Heavenly State.

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There is nothing created in a condition of absolute Perfection, but in a possibility to be advanc'd higher, to be increas'd, inlarg'd, and inrich'd with greater Perfections. Chiefly the Intelligent Beings, who having Abilities and Faculties granted to. them for that very purpole by our wile Creator, are certainly oblig'd, for the anfwering this end of their Creation, to ftudy the Improvement of their Natures, and labor in this Life to draw nearer to Perfection; which the it be not attainable till we are admitted to the Vision of our God, yet it is both our Duty and Interefe to approach as near as we can to that Bleffed State, and prepare the Abilities of our Souls for that Gloric With

And the a Gifts, Graces and Improvements of our Nature procede from God,

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as the Apostle affirms, that is, from the Affistance of his Holy Spirit and Divine Bounty, from the Concurrence of his overruling Providence and apparent Benediction, from the fecret Actings of his Grace and Wildom, that influence our Wills and Indeavors; yet we are not to be fluggish and idle. But as we come into the World with active Abilities, we are in all rea-Ion oblig'd to imploy them, and make them inftrumental in procuring our own Nay, we are to feek and in-Good. deavor this Improvement, and not wholly to depend on the favorable Will and Bleffings of our Maker.

But of all Improvements those of the spiritual part of Man are chiefly to be minded, because our present and future Happiness will therupon depend, because such Improvements are not fubject to the Cafualties of the Body, nor cannot eatily be taken from us by Violence or Death; but as this excellent Being is Immortal, all the Ornaments and Perfections acquir'd to it do accompany it into another State, and are not changeable without our Wills and contrary Indeavors. How foon are the Excellencies of the Body destroy'd, and the Gifts of God and Nature humbled in the Duft, together with all our Labors to imbellifi and adorn this outward part of our Selves, made 4

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made the sport and food of the vilest Worms? But the precious Souls of Men, with the Graces and Virtues that inrichthem, are not so quickly spoiled; they are to continue with that Heavenly Substance, and to abide with it for ever. Death, the great destroyer of God's Works, can't separat those Perfections from the Souls, with which God's Blessings and our Indeavors have inrich'd them.

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For this Noble Part as well as the Body is capable of great Improvement. The latter grows and increases by degrees, in the use of the ordinary Methods appointed by God in Nature. Thus the Soul with every Faculty is to be inlarg'd; increas'd, and advanc'd to Perfection, by the means prescrib'd to us by the Divine Wildom. The Understanding is to be inrich'd with an increase of Prudence, Wildom and Knowledg; the Will of Man with the Habits of Moral and Christian Virtues. Thus ought the other Faculty of the Soul, call'd the Memory, to be inlarg'd, increas'd and imbellish'd. To this purpose S. Bernard has an excellent Saying, Dilatari oportet animam, ut flat babitatio Dei. Sup. Cant. Serm. 28. For that intent our Wile Creator has appointed in his Church the use of his Word and Ordinances, has order'd his infpir'd Prophets and Apostles to deliver

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to us the Sacred Mysteries of our Religion, and the most Heavenly Directions. that we may grow in Grace, and in the Knowledg of our Lord and Savior Jesus Christ, 2 Pet. 3. 18. And for the same purpose our good God has open'd to us the Books of Nature and Providence, that we might continually read, study and understand the Secrets of his Divine Wisdom, and draw nearer to the Perfections of the Mind; to which we shall never attain till admitted to the Vision of God.

Now this precious Jewel is by the Philolophers defin d, Forma substantialis corporis viventus, per quam vivimus, sentimus, nutrimar, intelligimus, & loco movemur; The lub-Itantial Form of our living Body, by which we live, are fentible, nourilh'd, under-" Itand, and move from place to place. Aristotle tells us, it is EVTENEXER of the living organized Body. 'Tis altogether Spiritual, and procedes from the immediat Agency of our wife God, the Creator and Preferver of all things, who at the time of the conception and formation of the Body, when the Parts and Organs are duly prepar'd, and fitted to receive this Heavenly Gueft, creates it without any Concurrence or Amiliance of the Parents. Witnels the Words of the Ecclefiaftes, chap. 12.7. That the Diffolution, the Spirit Shall return to Ged who gave it. And

Pull. And it is observable in this Excellent

and Spiritual Being, here are divers Faculties, which are either natural, vital, or animal, by which the Soul in conjunction with the Body produces divers Functions and Actions of Life. The Natural Faculty is that Power of the Soul by which the Body, affifted by the natural Heat and Food, is nourifh'd, grows, and produces acts of Generation. The vital Faculty is that by which the Vital Spirits are ingender'd in the Heart, and Life is preferv'd in the whole Body. The Animal Faculty is likewife that Power of the Soul by which a Man is fenfible, moves, and performs the principal Functions, which are Imagination, Reafon and Memory; which indeed are the chief Functions of the reasonable Soul.

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We must here take notice of a confiderable difference between Auxi anima, and notifica spiritus. Indeed the Divine Oracles make use of both Words to express the fame Spiritual Being; as in Mat. 10.28. put Oosen Stire and rise anotherowitan to other the fame Spiritual Being; as in Mat. 10.28. put Oosen Stire and rise anotherowitan to other the Spirite of the Source prevous in Mat. 10.28. put Oosen Stire and rise and source of the Source put constitution of Source prevous in Mat. 10.28. put of the Source prevous in Mat. 10.28. put of the Source of the Sour


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the Intellect and its Perfections. This Interpretation, in my Judgment, draws neareft to the meaning of the Apostle: but we must take heed of a gross Error, contrary to all Reafon and Philosophy, of some of them who make Man to be composed of three Parts, Body, Soul, and Spirit, and multiply Beings without necessity. The Spirit given by God to inliven, move, and govern this Body, is but one, and has all the Abilities granted to it which they ascribe to two distinct Substances; it has the Power to govern the Senfes as it is united to the Body; and as it withdraws it felf from the Senfes, it performs all Spiritual Therfore this Glois which Operations. is delign'd by them to folve the difficult Queltion about the Delcent of Chrift into Hell, in my opinion is not Orthodox, nor agreing with the Principles of Reason and Nature.

So that in these two Passages to $\pi v \varepsilon u \mu \alpha$ and $\psi \chi$ differ in some respect, but it is only in the Original Signification of the Words, and in the Relation the Spirit of Man has to the Body, and the Animal Faculties and Operations. As it is a Spiritual Being separat from the Body, and injoys a Sublissence independent from this outward Tabernacle, it is nam d TO $\pi v \varepsilon u \mu \alpha$, the Spitit of Man, created by the immediat Hand of



the Art of Memory. But while this Spirit continues in conjunction with the Body, and operats by the Senfes and Organs it is properly nam'd -Juza, Anima, or the Soul, and in the Hebrew Tongue Wel a word deriv'd from the Verb uni he breath'd, because its prefent Being and Subliftence relates to the Animal Functions maintain'd and continu'd by our constant breathing. But tho most part of the Actions of this Spiritual Being are produc'd in and by the Organs of the Body, there are at prefent many Operations upaons of the Soul that have no relation to the Senfes, especially in such as are fanctifi'd by the Spirit of God, and defign'd for a better and higher State: Therfore in the former Passage to the Thessalonians, S. Paul prays that God would fanctify their Spirits from the Corruption convey'd to them by the vicious Inclinations of the Body, and that this immortal Part might be preferv'd pure and undefiled from all Sin and Infection: That the Soul likewife, that is, the fame Spirit as it works and acts by the Animal Senfes of the Body, and in conjunction with this outward Part, might be alfo free from Sin and Pollution : And that the Body alfo with all its Members might be fanctifi'd, and preferv'd blamelefs to the Appearance of Chrift. Likewife the Author to the Hebrews tells us, That the Word the Joul ... y work & althe by the fame for

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CHAP. II.

Of Memory, its Seat, and Excellency.

ST. Auftin names Memory the Soul's Belly or Storehouse, or the Receptacle of the Mind, because it is appointed to receive and lay up as in a Treasury, those things that may be for our Benefit and Advantage. Divers Names and Descriptions are given to it, but all may be reduced to this one Definition, That it is that Faculty of the Soul, appointed by our wise Creator to receive, retain and preserve the several Ideas convey'd into it by the Inlets of the Understanding, whether intellectual or sensitive.

Verain

Two Virtues belong to it, readily to receive, and long to retain whatfoever is committed to its cuftody by the Understanding: For Perfection of Memory confifts in these two Qualities, quickly to receive the Imprefions or Images of Things, and to keep them long from Oblivion, that the Intellect might there find them to imploy them for fuch Uses as Reafon may require, There

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There are likewife three differing Acts of this Faculty, tho fome reckon but two; 1ft, That which we properly call Memory, 1. retain which is a Retention of the Ideas of things membrance, or a calling to mind, or re- 2 yefresh 3dly, Reminiscentia, which is a Recoup. very of the fame Ideas which were formerly loft, or a renewing of those Impressions 3. Yellower in the Memory that were blotted out, or ponihil " defac'd by Forgetfulness. The first may be found in some measure in the Brutes, and other Animals; who have a kind of 10cal Retention of the Objects that are either grateful or hurtful to their Natures; fo that the prefence of those things cause them either to fly from, or to run to them, having had a former fense of their good or evil Qualities. This Animal Memory and here differs in this from that of Man, in that it requires the prefence of the Objects to mind the dumb Creatures of their paft Experience; but the Soul of Man having more but of man perfect and excellent Affiftances, needs not the Representation of Things to rememper the former Paflages; neither is his Menory fo narrow, fo weak and infirm, as that of the Brutes. But the two latter Acts of Memory are not to be found in them, becaufe they depend on the reafoning of

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of the Understanding, and cannot be produc'd without that Ability, which we admit not in other Animals.

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And the thefe two Acts, which fome men Who reckon to be but one, are produc'd by the fame Faculty as the Acts of Memory, yet they differ in this, that the Memory may be without the use of reasoning, but the others require the affiftance of the Rational Faculty to recover the loft Ideas, by the help of certain Circumstances that remain yet in our mind. Befides, it's very common that fome who are excellent for Memory, may be the more apt to be guilty of Forgetfulnefs, and to let flip out of their thoughts many weighty Matters. gain, Memory precedes Remembrance in relation to Time, for we can't call to minc things that we never had in our Memory before. And I judg there is this difference between Recordatio and Reminiscentia, that the first is a plain remembrance of thing: Ventdario Veninifeenna remaining yet in the Memory, but not thought upon before, by reason of the multiplicity and crowd of other Ideas; where as Reminiscentia is a recovery of the lol Ideas which were blotted out of the Me mory, and again refresh'd and renew'd by the help of fome known Circumftances and Paffages, that lead us to the minding again of those things we had forgotten: howeve

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we must acknowledg between them the difference of magis & minus. Now there are four natural Motions observable in Memory; First, the Motion of the Spirits, which convey the Species or Ideas from the thinking Faculty to that of Memory. Secondly, the Formation or Reception of those Ideas, formaon. and the fixing or imprinting them into the Fancy. Thirdly, a returning back of those com the thinking Faculty reviews what is trea- from the method Me fur'd up in Memory, which indeed is the fault guit very Act of Memory. Therfore fome to h " have defin'd Memory, Apprehensio in Anima to the ration A existentium specierum cum indagatione & inqui-A. Veriewg those Ideas that are in the Soul, accompa- In thear " emory nied by a Search and Inquisition.

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ereno We must here make one Observation more; That as the Peripatetics commonly 300000 the diffinguish three diffinct things in every Fa- Hung " culty, fo we must note the same in that of where it or Ability of Moreover list he Faculty, Pow- Chry quat fauloy power abil & when er or Ability of Memory, which we fancy te o refide in the Soul as in its proper Subject, 1. nd to produce Acts by that Organ appointn'd by our wife Maker, namely the Cereellum. Secondly, to this Ability or Faculy belongs the Habit of Memory, which is OWEN cquir'd by repeated Acts; for there may ... rep 20 alts

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be a Faculty in the Soul, which thro neglect or otherwife may be ufelefs; and it often happens that the Faculty is perfected by a conftant and continual Practice and Habit, wheras Slothfulnefs decays and ruins the most excellent Ability. The third thing observable in Memory, is the several Acts produc'd by the Faculty, which at last make up a Habit. We shall find this Distinction to be of some use in the following Chapters. ky.

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Now the Seat of Memory is generally acknowledged to be in the hinder part of the foul opaons Head, which we call Occiput, in the third Uth brain Closer named Ventriculus, Puppis, or Cerebellum. For as all the Naturalists are of nan opinion, that in the Brain there are three Operations of the Soul, the Imagination. Reafon, and Memory; they have from the direction of Experience, affign'd to the two B. meno first the two greater Closets of the Brain, and to the latter the lefs and hindermost. For I need not buly my felf to prove that all the Functions of Life have their particular Organs; and the Soul acting little or nothing without the concurrence and affistance of the Body, our wife Creator has appointed the feveral diftinct parts where the Spirit is to move and act, to produce the differing Actions of Life; according to that the heart is the year of Widow Ca

the Gaul norreg 34 to anger. Cor sapit, & pulmo loquitur, fel suscitat iras, aughse. 93 Splen ridere facit, cogit amare jecur. di Aed The Heart is the Seat of Wildom, the and Lights are imploy'd in Speaking, the Gaul uins moves us to Anger, the Spleen inclines to hing Laughter, and the Liver to an amorous Acts Temper. Thus in this Clofet of Memory nake the Soul treasures up the Ideas of things, nctimaking use of a clear and subtil Spirit, wing ascending from the Heart, to form the Impreffions, which contain either a longer or thorter space, answerable to the Tempera-ture of the Body, and the largeness of this Ouipus rally fthe third Closer. For they have observ'd that such has a larg Certe Popo have a capacious Memory whole hinder part re Ci of the Head is larger than ordinary; but three when that part is otherwife, plain, and naration row, fuch perfons are feldom gifted with a mtht rich and an officious Memory. It is most etito certain that the good or evil Difpolition of Brain the hindermost part of the Head contributes mol much either to the largeneis or shallowneis bran, build reth of Memory. For when that part of the patha open artice with eafe, and without any obstruction, such quick apre-men are quick of Apprehension and such quick apreittle nd aft tor b men are quick of Apprehension, and their & mem heret Memory is the more happy, and the more ner fullens thed fusceptible of the Ideas. But if the way 10 1 for how can a man remby that here but woh he don sonotitas . Saw Andly cians,

be obstructed that conveys up the Spirits, or if there be any natural or cafual Defect in that part, they will quickly find it by the decay of Memory. Some having receiv'd a confiderable Blow on that fide of the Head, as a Greek Author relates, forgot all their nearest Relations. And it is reported of Messala Corvinus the Orator, that by an accident he became fo stupisfied as to forget his own Name. The Cafualties therfore that may happen to this excellent Faculty, by the prejudices to which this part of the Brain is subject, should awaken our care and diligence to preferve and defend it.

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But as the Parts of the Body, and the Soundness and Perfection of the Brain, are great helps to a good Memory; they have caus'd the Naturalists to divide Memory into Natural and Artificial. The Natural is when the Perfon has this great advantage from his Natural Parts, without any help from his own Industry; and when his wife Maker has beftow'd upon him all the inward Qualifications needful for a large and happy Memory. The Artificial is that which is acquir'd by our Care, Study, Invention and Labor. For it is the Opinion of Cicero, That the goodness of our Memory procedes not always from our Natural Pertections, but somtimes from the Contrivance

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vance and Art of Man. And our Experience can verify the fame, that Memory is capable of increase and decrease; and that the Art of Man may add much, and accomplish this excellent Ability. However, if we offer to neglect, and fuffer this rare Faculty to be unpolish'd, and cover'd over ator, as it were with the Rubbish of Idleness ified and Debauchery, when God and Nature have bin bountiful to us in this respect, we stel- cannot expect to use it with that advantage, which as others who have labor'd to increase their mould Maker's Gifts by their Study and Industry. lerve Of some it has bin reported, that they had prodigious Memories. Mithridates, that famous Enemy of the Roman State, was d the once a King of two and twenty Kingdoms, are where fo many differing Languages were Dang fpoken; which he understood fo well, that NY INhe could speak every one of them, and to 072115 all his Subjects, without an Interpreter . antage The Great Cyrus had fo large a Memory, v help that he could call every Soldier of his nu-SWIL merous Army by his proper Name. Likethe inwife Seneca tells us of himfelf, that he could ge and repeat 2000 diffinct Names that had no deis that pendence. And in late days, Cardinal du 7. In. Perron was able to repeat, without milling a word, two hundred Verles Which were Tpoken before Henry the Fourth by a famous Poet, Ma fon Poet, Ma fon Poet, Ma fon Poet, Ma fon Leleve to be an Infamous Lie. emory al Per Contra

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Poet, tho he never heard nor faw them before. Likewile in our Age and Nation, fome carry with them whole Libraries in their Memory : Which in reason cannot be expected, unless Men indeavor to improve this rare Gift of God by a continued Exercife. I need not inlarge upon the Ufefulnefs and Excellency of Memory, to incline men to ule the Means to attain it. All other Abilities of the Mind borrow from hence their Beauty, Ornaments and Perfections, as from a common Treasury : And the other Capacities and Faculties of the Soul are useles without this. For to what purpose is Knowledg and Understanding, if we want Memory to preferve and use it? What fignify all other fpiritual Gifts, if they are loft as foon as they are obtain'd? It is Memory alone that inriches the Mind, that preferves what Labor and Industry collect, which fupply this noble and heavenly Being with those Divine Excellences, wherby it is prepar'd for a glorious Inmortality. In a word, there can be neither Knowledg, nor Arts and Sciences without Memory : Nor can there be any improvement of Mankind, either in respect of their present Welfare, or future Happinels, without the affiftance and influence of this fupernatural Ability. Memory is the

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the Mother of Wifdom, the common Nurfe of Knowledg and Virtue, as the Poet very well has express'd it :

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Sophiam me vocant Graci, vos Sapientiam, Osus me genuit, mater peperit memoria.

But as these Lines are defign'd for the benefit and incouragement of their Memories chiefly who are to appear in the Pulpit, or at the Bar, to fpeak in the Audience of the People; I need not tell them with St. Austin, Memoria in primis Oratori necessa- . ria, That there is no Ability more useful to an Orator than Memory: For it gives Life to what is spoken, and makes a deeper impression in the Minds of men; it awakens the dulleft Spirits, and caufes them to receive a Difcourfe more kindly than otherwife; it adds a Grace, and an extraordinary Excellency both to the Perfon and his Oration, and is the greatest Ornament of that part of Rhetoric that we commonly name Pronunciatio. So that if there is any thing worthy to be effeem'd or valued in that Art, fo useful in a Commonwealth, 'cis all borrow'd from Memory alone ; which gives the greatest weight and efficacy to the Words that are spoken. It is reported of Æschines, that when he came to Rhodes, he read to the Inhabitants a famous Oration

Oration of Demosthenes, which they very much admir'd, tho pronounc'd without the Grace of an Orator: But faid he to them, Quid fi ipfum andiffetis? How much more would you admire and efteem this Oration, if you had heard it from his own mouth? But our daily Experience can declare more of the Excellency of this rare Ability. IT g

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I shall therfore procede to examin what Temper is most agreable with a good Memory.

CHAP. III.

The Temper or Disposition of the Body best and worst for Memory, with the Natural Causes and Reasons of both.

M Emory is nam'd, or rather describ'd by Plato, that great and famous Philosopher of his Age, The Soundness of the Senses; because the Soul making use of the Senses of the Body to receive the impressions of things, the Memory is either larger or narrower, greater or less, according to the good or ill Qualities of the Sensenses; and the Ideas are more or less lasting in Man. However, 'tis most certain that

The Art of Memory. 27 in general it is requifit for a good Memory, that the Body be in perfect health ; for if either the whole be diftemper'd, or any part be difeas'd, the Sufferings are communicated to every Member, and all are fenfible in some respect of the Pain with the difaffected Part; and the Difeafe, whatever it be, diforders the Functions more or lefs, according to the nearnefs of Communication. Some Difeafes have that evil influence that they totally deprive us of our Memory for a time, as those that seize upon the Head and Brain, and fuch as distemper the Nerves and Veins that are uppermost, and corrupt the Blood and Spirits which are used for the exercise of Memory. Befides, when any part of the Body is difeased, the Mind is distracted, and cannot fo readily perform that Office, as when it injoys a perfect Tranquillity free from the avocations of Maladies and Pain. Likewife, if the Spirit be difturb'd by the violent Paffions of Anger, Fear, Despair, Gc. the exercife of Memory can never be fo free, because it requires a sedate and quiet Temper of Mind as well as a Soundness in the Body. All the Alarms and Troubles of the Soul blot out the Ideas that are already entertain'd, and hinder others from coming in. They obstruct all the Paffages; and the Crowd of thoughts that in fuch

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But the Learned observe, that two Tempers of the Body or Brain are enemies to a good Memory; and that fuch can never expect any great advantage from this Ability which in those cases is naturally difabled. The first is a Temper extraordinary Cold, for therby the neceffary Motions are stopt, and the Passages for speedy conveyance frozen, and the Imagination as it were benum'd. So that as a convenient Heat of the Body is a notable help to an active Memory, a cold Temper can never be fo quick in apprehension, nor receive the Impressions that are offer'd. Therfore a noted Physician names Cold, The Mother of Forgetfulness; and declares that there can be nothing more pernicious to Memory, either to the admittance of the Ideas, or to the making use of them, than an inward or a too violent and ambient Cold.

The fecond Temper unfit for Memory is moift, when a too great Humidity feizes upon the Brain, as in Drunkennefs, Intemperance, and Defluxions. Memory in fuch a cafe may quickly receive an Impreffion, but it will as speedily lose it. As a Ship at Sea running swittly thro the Waves, leaves behind a Track, which is almost afloon

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affoon loft as made, fo that no fign can be found of its Paffage thro that fluid Element: So the Moifture of the Brain may be fusceptible of an Idea for the present, but 'tis not lasting, nor is there any fign a little after of any such matter. Those perfons may remember the things near at hand, but they feldom call to mind that which has bin long ago don.

3- my ary I might add a third Temper very much unfit for Memory, that is, an extraordinary dry Brain, or a corrupt Disposition of Body, proceeding from too much Heat and Drinels: for the thefe two Qualities are necessary affistants of a good Memory, both for Reception and Retention, yet when they excede the prefcript and proportion of Nature, they must needs be offenfive to Health, and confequently to the practice of Memory. It is therfore needful for this purpose that the four Qualities 4 of the Body be in an aquilibrium, that is, in an equal balance; because this Equality ferves very much for a more ready formation of the Ideas, and inables the Organ the better to receive and retain them. But of the four Qualities it is observ'd, that Cold and Moisture are the most deftructive to Memory ; an exceffive Cold being the greatest enemy of Nature, and of its Prefervation. For Humidity,

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midity, it cannot be expected, when the Brain is drown'd in Liquor, or overflows with Humors, that in fuch an Inundation Memory can act and perform its duty with that exactness, and in that perfection that it can at other times, and in a better Temper. Now 'tis not difficult to understand what Quality is predominant by thefe following Experiments: First, by our Sleep; for if we are more inclinable to it than ordinary, it is a fign of a wet and moift Brain, that makes us heavy and drowfy; but if we cannot take our usual Reft, it is an evident token of a dry Temper. Besides, this Humidity falls down into the Palat by an extraordinary Spittle, breaks out of the corner of the Eys, and evacuats it felf thro the Nofe and other Conveyances from the Brain, in a greater abundance than is usual. But if the Brain be too dry, you will not be able to close your Eys as formerly, you will find a Lightness in the Head; there will be feldom any natural Evacuations, and the Eys will appear funk into the Head, and the Excrements of the Ears will increase. This is the cafe of fuch as grow in years, which causes old men to be less susceptible of new Imprefiions in their memory, but to be more retentive of those that are there already: So that all the Paffages of their youthful

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But if an inward Cold predominats, it will appear by these Signs: The Face will seem very white, the Eys languishing, the Veins will scarce be seen; a Cold may be felt about the parts next the Head, and a Dulnets and Stupidity seizes in such a case upon the Spirits and Brain; so that by this means Men are render'd less fit for Action. Now it is observ'd by Physici. ans, that the Brain is naturally hotter in Summer than in Winter, unless it be when fome Distemper increases the internal Heat, and augments it the more by reason of the ambient Cold.

If too much Heat be in the Brain, it may be perceiv'd by these infallible Signs. All the Parts about the Head will be hotter and more red than ordinary, the Eyes will be rolling and firy, the Temples burning, and the Person cannot be inclinable to fleep, because all the Vapors that cause Drowfiness are confum'd by that internal Heat, and dried up as soon as they enter the Closets of the Brain.

From what has bin faid it is most certain, that a moderat Temper, where all the four Qualities correspond and agree in an equality, is the most fit for the practice of a good Memory; and when any of these excede

excede the natural proportion, both the Health and Memory also are impair d in that Body, and render'd more unfit for exercife. In fuch cafes therfore the Phyfician's Art may be very uleful to reftore Health, to rectify the Brain, to remedy the Temper, and remove the superfluous and pernicious Quality; and confequently it may preferve, increase, inlarge and help Memory. For as it is most certain that divers Diseases destroy this Ability, or difable it; fo it is unquestionable that several Remedies may affift, comfort and corroborat this excellent Faculty, which requires a good disposition of Body, a careful government of our felves, and an abstinence from the Extravagances and Debaucheries of the Age.

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Now in fome cafes 'tis impoffible to remedy a decay'd Memory, as when Nature fails thro fome violent Difeafe; when an extraordinary Heat and internal Drinefs has corrupted the vital Parts, or the Clofet of Memory, and fill'd it with infected Spirits; or when old Age brings a diminution to our Strength, Vigor, Abilities; and all our Natural Parts decay with our Body. 'Tis then in vain to attempt by Phyfic to help or remedy that which is naturally loft and perifh'd. However in fuch cafes we may preferve what remains of Memory by

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a regular manner of living, and by fuch Food as may expel the inward Drinefs and Cold, and comfort the Brain with a Recruit of wholefom Spirits, proceeding from the eafinefs and quicknefs of Digeftion.

CHAP. IV.

Some General and Physical Observations and Prescriptions for the remedying, strengthning, and restoring a Memory injur'd by the ill Temper of the Body, or the Predominancy of one of the four Qualities in the Brain.

THE Excellency of Memory, as we have taken notice, depending wholly upon the Health and good Difposition of the Body, 'tis not to be doubted but that which restores Health to the one, is by confequence useful and affisting to the Welfare and Operations of the other. Chiefly if the Head or Brain be any ways damnified, incumbred or prejudiced, such Medicins as are proper to remove the ill Qualities, or to restore Soundness, are also proper to help Memory. Divers therfore are prescribed by the most eminent Physicians, answerable

ble to the feveral Distempers of the Brain, and the Causes from whence they procede.

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First; If by reason of extraordinary Loofnels and immoderat Evacuations, or of any internal Drinefs, the Memory be prejudic d, we must feek a Remedy from a convenient Diet, which may ftrengthen the Body, and comfort the Spirits and Senfes. In fuch a cafe juicy Meats are to be used, and such as are of easy digestion in the Stomach; good and wholfom Drinks are to be taken, as Claret Wine, Metheglin well made, Gr. We are likewife to exercife our Bodies moderatly, and without being tired; we ought to rub the Head and Temples foftly with woollen Clothes, and indeavor to reftore the Body to its ordinary Temper by Sleep, Bathing, and other natural Means. But it the Brain and Memory be injur'd by reason of an internal Cold, Heat must be applied to expel it (as Humidity is used to remedy the Driness of the Temper) but always with a convenient Moderation? for we mult take heed that we heat not the Brain too much, nor totally dry up the internal Humidity, for fear of falling into a more dangerous Diffemper, which may deprive us both of Life and Memory together. When the Brain is out of order by reason of Cold and Moisture, that Air is to be chosen for the Patient to live in which may be hor and

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drying: and in wet and cold mifty weathe Chamber or Dwelling where he ght to be perfum'd with hot and odo-15 rife sherbs, as Sage, Marjoram, Lavender, a femary, Thyme, wild Thyme; and let a Su e be made of some of these welfcented hos in the chamber, together with Juniper (the ich Perfumes will dry the Air, and help the Brain) chiefly of that Indian Amber that nam'd the Gum of the Soul The Diet ough to be according to the Distemper, of fut neats as are of an easy Concoction; and divers Phyficians forbid cold Sallets, I when she they may be of greatule, chiefly in Spring and Summer, to some hot stor the, as Lettuce, Purflain, Spinage, Cori sallet, Cichory, Endive, and Nasturtium; ve latter being good to ftir up the Spirits, and a natural remedy against Sloth; from whence coms the old Direction to a Sluggard, Van Fede Na-Turtium. Pliny tells us of Lettuce, That it inclines to Sleep, moderats Heat purges the Stomach, increases Blood, helps Digeftion, and creates an Appetite. In fome Constitutions this Sallet, with a mixture of other proper Herbs, may be proper to af-When fift and comfort the Spirits, and dispote the Brain for the acts of Memory it is very proper in many diffentpers of the Brain, to open a Vein, and free the superior 1) 2 Parts

Parts from the overflowings of Blood, and to give a gentle Purgation, either by Potions, Pills, or other usual Means, according to the Advice of experienc'd Phyficians, and the Nature of the Diftemper. Now fuch Difeafes incident to the Brain are either in the Cavities, or the Substance of the Brain : in the first are chiefly these, Vertigo, Catarrh, Epilepsy, Apoplexy, Pal-G, Convulsion, Trembling : in the Substance are these, Phrenzy, Melancholy, Madness, loss or hurt of Memory, fleepy Difeases, &c. All which, as they bring a prefent Prejudice to the Faculty of Memory, fo they are to be removed and cured before it can act with Vigor.

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But if the Difeafe procedes from a too great Increafe of the Humors, skilful Phyficians are to be confulted, and proper Remedies applied for the correcting and removing those Humors, as Bleeding, Purgations, Cliffers, Vomits, Issues, &c.

Now 'tis most certain that divers Ointments, Snuffs, Perfumes, Plaisters, and Medicins are applicable to the Head and Temples, for curing several Distempers of the Brain. But this being a Subject that more properly concerns the Physician, I shall only advise the Patient to be very cautious in making use of Remedies for removing Diseases of the Head, which is a tender Part

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Part ; for when once the Part or Organ is wounded, 'tis a very difficult Task to cure it, and without a Miracle it can never be made whole.

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CHAP. V.

What is very much prejudicial to the Faculty, Habit, and Practice of Memory.

THE Memory reliding in to tender a Part as the Brain, Nature has had a particular care to preferve it from all Cafualties by a thick Skull : It fhews therby what an Effeem, Value, and Tendernefs we are to have for that part of the Body, and how much it concerns us to take heed it be not injur'd either by our own Miscarriages, or by others Indeavors. Certainly we are worthy of blame if we ruin that most excellent and neceffary Part of our felves, and run wilfully into fuch Actions as are hurtful to our Brain and Memory. Now it is obferv'd, and we may understand it from our own Experience, that these following Particulars are prejudicial to Memory.

1. All Crudities, Repletion, and Indigestions of the Stomach; for they ingender many dangerous Diseases, diforder the D 3 Brain,

Brain, and fend up infectious Vapours, which caufe Pains in the Head, Giddinefs, and feveral other Diftempers: confequently they are pernicious to Reafon and Memory, as St. Ambrofe tells us, Cibus immodicus & Anima & Corpori nocent: An exceffive Eating hurts both the Soul and Body.

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2. Drunkennels is offensive to the Brain, and all its Functions, because it fills it full of Humors, and naturally caules Forgetfulnels: And, as a Father expressionfelf, Ebrietas Tempestas est tam in Animo quam in Corpore, & seipsam ignorat; It is a Storm both in the Body and Soul, and caufes us to forget and be unmindful of our felves. Therfore the immoderat use of strong Wines is dangerous; and a frequent ingorging and constant Debauchery turns Men into Sots and Beafts, and weakens all the Operations of the Brain. I cannot but mention here what Suctonius writes of Claudius Cefar, that by Drunkenness he had forgot what he had commanded but an hour before : for having ordered his impudent and lecherous Wife and Empress Messalina, to be put to death because of her unsufferable and public Adulteries, when he fat down to eat meat a while after, ask'd his Officers and Servants what their Lady was doing, that the camenot as usually to table with him. And the fame Roman Author, with others. tells us of Vitellins

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lins, that when he came to the Empire, he gave himfelf over to fuch Debauchery and Drunkennefs, that he loft and drown'd all his Memory and Reafon.

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3. A violent and outward Cold in the Night-feafon offends the Brain, if the Head be not well cover'd. Therfore for the better prefervation of the Seat of Memory, it is convenient to keep our heads warm, according to this French Direction, Gardez chaux les pieds & la teste, au demeurant vivez en bête; keep warm the Feet and the Head, but for the rest live as the Beasts.

4. To take cold and wet in the Feet in Winter time weakens the Ey fight, and injures the Memory, becaufe of the great correspondence there is between these two Extremities, the Head and the Feet.

5. An extraordinary and hot Air, or a burning Sun, disturbs the Mind, and prejudices Memory, if we suffer it long to work upon us.

6. All windy Foods and Drinks are not good for the affiftance of Memory, but rather contrary, unlefs Nature carries them speedily off in the ordinary course.

7. We must avoid eating in the Evening fuch things as may increase too much the ascending Vapors, and cause a too great Humidity in the Brain, or may be of an ill Digestion, or may too much fume up into D 4 the

the head: for tho fuch things may incline to fleep, they have a bad effect on the Seat of Memory; and remember these seasonable Verses,

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II. A

Ex magna Cœna stomacho fit maxima Pœna; Ut sis notte levis, sit tibi Cœna brevis.

8. Forbear drinking too much immediatly after eating, chiefly after Supper; for that will but fpoil and hinder Digestion, and prove offensive to the Brain and Memory.

9. An extraordinary idleness and laziness of Body begets and increases ill Humors, which have a bad influence on the Faculty of Memory. Therfore a moderat Exercife becoms us as Men, and is very useful for our Health, and the fafety of our Being; as an antient Philosopher taught his Disciples, by telling them, that Exercisium confert ad Corpus & Animum; that Exercise is profitable both to the Body and Soul.

10. Forbear fleeping immediatly after a plentiful Supper or Dinner, before the Food has paft down from the Orifice into the bottom of the Stomach; for there is nothing more pernicious, because it prevents the working of Nature, and causes often the good Food to become bad, and to distrub both the Body and Mind.

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11. A too frequent and violent use of Venery, when the Stomach is altogether empty, or too full, or contrary to the Rules of conjugal Chastity and Religion, is very dangerous, not only to the Body, but also to the Soul, and all its Faculties: For such an irregular Act draws a Curse after it, and obliges our just and wise God to withdraw his Bleffing from such Contemners of his Laws, enacted for our Safety and Prefervation.

12. Fear, Sadnefs, Anger, violent Paffions, and melancholy Thoughts are no Friends to Memory; for they difturb the Mind, difquiet the Soul, and diforder all the Faculties.

13. A too violent Vomiting is deftructive to Memory, becaufe it forces Nature, and difcomposes the Brain.

14. A disquieted Mind can never make use of Memory; for tho the Faculty may be good, and affisted by Exercise, and strengthned by Habit; yet while the Soul is alarm'd, and diffatisfied, it can never in the midst of its Troubles use its Memory with freedom, and so well as in a more peaceable temper and disposition.

15. All fuch Motions of the Body as caufe giddiness or swimming in the Head, are destructive to Memory. Therfore we should have a special care to avoid Falls from high Places, turning round, or Blows upon

upon the hinder part of the Head. For, if we may believe *Thucydides*, fome by that means, in the Grecian Wars, loft totally the use of their Memories: for by that Violence the Seat of Memory receiv'd so great a prejudice, that the Faculty could make no use of it; and the Contusion was so great, that the Brain was disturb'd, and could receive no more Impressions, nor preserve them that were there before. As

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These Experiments are not to be neglected by those who design to attain to a Perfection of Memory; for they are of dangerous Consequence, as our Experience can witness, to the Faculty of Memory, and to the other Functions of the Brain.

CHAP. VI.

Of Such natural Things as may be assisting to, and may comfort Memory, from the Procurement of Nature, and the Contrivance of Art.

GOD and Nature have beftowed upon us Faculties and Abilities, and with them Means to inlarge and affift them in the performance of their feyeral Offices.

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As there are fome things to be avoided, which may be pernicious to them, fo there are others to be ufed and imployed for this good purpofe, for a more ready execution and difcharge of their Duties and Functions. Memory, this excellent Ability of the Soul, may meet with many helps in the courfe of Nature to ftrengthen it, and render it more perfect. I fhall recommend thefe following.

¹. A moderat and convenient exercise of Body before we fit to Meat, to prepare the Stomach for a more hearry Reception, and a better Digestion, is useful not only to the Faculty of Memory, but to all other Animal Functions; for from thence proceed those good Spirits which help all the Offices of the Brain, and make it more able to act with vigor: such an Exercise, I mean, as may be answerable to the Abilities, Calling, and Imployment of the Person; such an Exercise as may free us from all natural Superfluities, which may incommode, incumber, or burden Nature.

2. It becomes us to feed upon fuch temperat Meats as may agree with our Stomachs as well as our Appetites, and to eat and drink with that moderation as may tend to ftrengthen, and not deftroy Nature : for as there is nothing more pernicious to the Faculty of Memory than Excess, Drunkenness,

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and Gluttony, fo there is nothing that can better preferve it than a fober use of those good things that Nature affords to supply the daily Deficiencies, and corroborat our Strength.

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3. There are fome things that may hinder the ill Fumes of the Stomach from afcending higher, which are useful to ftrengthen Memory after a plentiful Repaft, as Stiptic, Fruits well prepared by Art or Nature, Coriander-feed well preferved with Sugar, Coffee, and other things.

4. A moderat Joy and Contentment of Mind is very profitable for the preferving and fortifying this Ability of Memory: For if the Soul be uneafy, all the chief Faculties, especially Memory, are disturb'd, and render'd more unfit for Action.

5. To walh our Feet often in hot Water, wherein we have boil'd fome Chamomile, Lawrel, Balm-mint, and fome other odoriferous Herbs, is very comfortable to the Brain, the Eyes, and the Memory : For befides the good effect the hot Liquor has upon the Head, the Scent of fuch Herbs ferves very much to refresh the Spirits, and comfort the Brain. Therfore in Summer the scent of Roses and other fragrant Flowers, is not useles, but advantageous to this purpose.

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fluities of Nature is likewife helpful to the Faculty of Memory : for when there is a ftoppage of that which ought to be caft out, there is a Burden that is not only troublefom to the Perfon, but alfo of dangerous confequence to the Health and Life, and to all the Superior Faculties and Functions that are thereby hinder'd in their Actions and Operations.

Now Phyficians inform us, that this tender part of Man, namely the Brain, is injur'd and prejudiced by three Means. First, By a violent breaking in of the Excrements of the Body, or of any part of it. Secondly, By nourifhing and harbouring fome ill Quality. Thirdly, By retaining the usual and natural Purgations, when they have not their ordinary Courfe by the common Paffages appointed by our wife Maker. For as there are continual Vapors afcending to the Brain from the inferior parts, defign'd for the nourifhing and affifting the Brain in the feveral Functions of Life; fo there must be fome Evacuations for that which is fuperfluous and useless in Nature, to be voided. Now these Vapors, if they have any ill Quality, or are any ways offensive to the Brain, do quickly hinder the Operations of Life and Reason. For there is no part of the Body more tender than this, no Part is fooner and more fusceptible of pernici-. ous

ous Fumes and Vapors than the Brain. Our good God therfore has provided, among the natural Things, a great many Antidotes and comfortable Herbs, &c. which are proper to help and reftore the Brain to its utual Temper and Perfection, and confequently to affift and preferve Memory. Now among the natural Things, and those that may be prepar'd by Art for the use of Memory, are either Pouders for the Head, or Pouders to so fnuff up in the Nose; Plaifters to apply to the Temples or other parts of the Head; Bathings, Drinks, Fruits, Confections, Smells, Purgations, Ointments, &c. is ef

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I. Of Pouders to dry up the humors of the Head, and cleanse the Hair : they are very uleful for the strengthning of the Memory, when the Perfon is of a moift Temper, and finds a too great Humidity to burden the internal part, and diffurb his Fancy; or if he be often afflicted with a Cephalalgia, proceeding from Cold or Vapors. But fuch Pouders are to be made of odoriferous herbs, and well scented, which may be pleasing to the Smell. Riverius prefcribes for this purpose this excellent Pouder : Take of Florentin Lillies, half a Pound; Storax and Benzoin, of each two Ounces: Make a very fine Pouder, to be sprinkled upon the Hair in going to Bed, and comb'd out in the Morning: To increase

The Art of Memory. 47 its efficacy, you may add Clove-gilliflowers, Nutmeg and Cinnamom.

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2. Sneezing Pouders well prepared are of great use, but may prove pernicious if any thing be offensive to the Brain in the Compolition. Now the fame Author recommends the dried Leaves of Marjoram, Sage, Rolemary, the Roots of the Herb Pyrethrum, of Lingwort perfumed with Musk, to be a choice fneezing Pouder, to comfort the Brain and Memory. And the Herb Galangal well dried, and reduced to Pouder, is very uleful to strengthen Memory. Another good fneezing Pouder may be made of Pepper, with the Herb Condifi, white Lingwort, and Lillies, with fome perfumed Gums. But we must have a care not to offend Nature by a too frequent use of these or other Snuffs, which may prejudice the Brain.

3. And as all noifom Smells are hurtful to the Brain, and when they are continually taken are infectious; fo there is a great Benefit to be expected from good and wholefom Scents, as of Flowers, Perfumes, &c. This is excellent to comfort the Brain; Take Lign-aloes, Frankincenfe, Gum-maftix, red Rofes, Leaves of Betony, Cinamom, Mace, Spice, Cloves, with Storax; and with all this make a Pouder : caft it on a Chafing-difh of Coals in a morning,
ing, and it will wonderfully comfort the Brain, and help Memory.

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4. Divers Plaisters, when we find a decay in Memory, may be useful for helping the Brain : As a Plaister made of Mustardfeed, and clapt to the hinder part of the Head, or the Oil of Muftard-feed when applied to that Part. Or if you please to be at greater expence, take Florentine Lillies. the Herbs Hermodactyle and Pyrethrum, leaves of the wild Vine, Pigeon-dung, Mustardfeed, of each an Ounce; mix them with Moschata Nuts, Spice, Cloves, Cinamom, and Pepper, and make a Plaister; which you may likewife apply to the hinder part of the Head, and you will find it increase and help Memory. And a certain famous Author affures us, that the Gall of a Partridg anointed about the Temples dos wonderfully strengthen the Seat of Memory ; as also the Brains of Birds and Fowls roafted, and chiefly of Hens, are not useless for the fame purpole.

5. If you pleafe to try this Experiment, you will find it of great ufe, as fome learned Phyficians tell us; Take the Seed or Leaves of Orminum, and reduce them to Pouder, and every morning take a fmall quantity in a Glafs of Wine. And they fay that the Shavings or Pouder of Ivory produce the fame effect, namely, the corroborating

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roborating of the Brain and Memory ; as likewife a Grain of white Frankincenfe taken in a Draught of Liquor when we go to Bed, dries up the offentive Humors of the And it has bin objety'd that the Brain. Application of Gold to that Sutura which divides the Seat of Memory from the other Closets of the Brain, ftrengthens the weaknefs of the Head, drives away all Pain, and has a wonderful Effect on the Faculty of Memory.

6. There are fome Ointments to be made for the same intent, as this 3 Take of the Fat of Hens or Capons, together with the Fat of a Cow, and Gum of Ivy, of each a Pound; which being diftill'd in a Lymbic with a foft Fire into an Oil, is very Par good to anoint the Temples and the Wrifts won three times a week. Here is another Ointment which Aristotle is faid to have often mill used for the strengthning his Memory: feld Take of the Fat of Moles, Bears if it be to be had, of Weefel and Bever, or inftead nen, of that of Otter, of each an equal quantiand :y; Juice of Betony, and Rofemary; of a all which make an Ointment to anoint the Femples chiefly in cold weather. em to

A famous Author tells us, That for a firm ind constant Memory, and quick Apprehension, many reat Men have us'd this Medicine. Take Roots f wild Bugloss, Roots of Valerian, or Setwall, of

of each four Ounces ; Roots of Rue smo Ounces ; reduce them to very fine Pouders: then take fuice of Ey-bright, Clary, and Verven, of each four Ounces; strain the fuices well through a Cloth; then mix the fuices together, and the Ponders apart : Afterwards take of Essence of Anacardi, or Cassia-nuts one Ounce, and make a Pouder as before. Allo take Bird's Tongue, i. e. Ash-keys, and make a very fine Pouder : Then mix all the forefaid things together, viz. the Ponders and the fuices, and take an Earthen ma Pot glaz'd, and set it on the fire, putting into it I W some Bear's Fat, and suffering it to melt by dema grees; then throw in the faid Pouders, mixing EACH them with the fuices, always adding some of the IT AL fore faid Fat, till a very thin Ointment be made ; leget with which anoint the Temples, Forehead, and a da top of the Head towards the Nape. And this keep do three or four times a year, and continue anoint-Cent ing more or lefs as there is occasion. tight

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Again, another Experiment may be tri-(200 ed for the same purpose. Take eight Glasses heat of common Water, leaves of Ivy and Sticas, of for f each a Pound and a half; put them together in lover the Water to boil till the Water be almost con-Fire sum'd; afterwards let it be well strain'd and RED squeez'd, and put into it a small quantity of Turpentine wash'd with Rose-water : The AS My wash the Head with a good Lye, and after drying the it, anoint with the foresaid Liquor the Temple 117 and hinder part of the Head. Th

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The fame Author recommends to us the making of this perfum'd Apple for comforting the Brain and Memory. Take Laudanum, Lignum Aloes, Storax, of each a Dram; Cloves, Nutmegs, Sweet Basil-seed, of each half a Dram; with Rosewater, in which a small quantity of Mosch and Ambergrise has bin diffolv'd, make an Apple.

Another Prescription we find recommended to us by a worthy Author in this manner. To strengthen the Memory, or restore it when lost ; or against Giddiness : Take Rosemary, Borage, Chamomile, Violets, Rofes, of each an Ounce; the Leaves of Laurel, Marjoram, Sage, of each two Ounces; chop them all together, and put them in the best Wine, and after a day's time distil through a glass Alembic, and keep the distill'd Liquor ; in which put of sweetscented Turpentine a Pound, white Frankincense eight Ounces; Mastic, Myrrh, Bdellium, Anacardi, or Cassia nuts, of each four Ounces: beat them all together, and so let them stand for five days, mix'd with the distillation in a cover'd Vessel. Afterwards distil with a quick Fire till you get an Oil out of them, which keep close shut up in a glass Bottle well stop'd with Wax and Parchment. For uses take as much of it as would ly in a large nut (hell down the Mouth, and anoint also the Memorial parts; Viz. the binder part of the Head, and all the parts before-mention'd. You will find it to be very good. Some

Some Phyficians order Pills for the ufe of Memory to be made in this manner. Take Cubebs, Calamint, Nutmegs, Cloves, of each a Dram and a half; the beft Frankincenfe, choice Myrrk, oriental Ambergrife, of each a Scruple and a half; Mosch five Grains: with Marjoram-water make Pills. Take one in going to Bed, and two at Sun-rising, five hours before Meat; in the Winter every month, in the Spring and Fall more feldom. of

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Another most approv'd Experiment to inlarge the Understanding and Memory, which they fay was Aristotle's. Take the Fat of a Bear, which is in his right Shoulder, and put it up in the Bear's own Bladder, together with his Urin, and let them stand eight days : then draw it out, and take an equal quantity of Clary, Ey bright, Verven, Bugloss, Valerian, and Aloes, and mix them together with the foresaid Fat upon the Fire, stirring them with a wooden Slice, till it become a thick Ointment; of which, when you please, take the quantity of a small Bean, and anoint the Forehead and Temples, rubbing them some time; and you will remember what you hear.

A 1 je for washing a moist and cold Head, corroborats and helps the Memory. But it must be of the Ashes of Vine-twigs or Oak; and then let these things be boild in it. Take Galangal, French Lavender, Laurel-leaves, Rosemary, Ivy, Sage, of each a Handful; with that wash the Head: and after washing it, bathe the forepart

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of the Head with a little Aqua Vitæ, and Sprinkle it with the following Pouder. Take Pennyroyal, Calamint, Cloves, Gum-funiper, Mace, Stichas, or French Lavender, dried Mint, Marjoram, of each five Drams; mix and make a fine Pouder, and after Sprinkling it put over it a covering of Hemp. On other days also, going to bed, put some of that Pouder upon the forepart of the Head, even without washing it; for it dries, &c.

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And Ludovicus Mercatus advises to make this Water, which he fays has a wonderful Virtue for the reftoring and strengthening decayed Memories. Take of the Waters of Buglofs, Betony, Flowers of Lilly, each a Pound; of the best Aqua Vitæ half a Pound; Flowers of Anthos, Roses, Marjoram, and Buglofs Flowers, of each a Pugil; of the Species of Confectio Anacardina four Drams. First infuse the Flowers into the Waters, and then the Species, and let them stand in a sunny place to digest for a month; asterwards extract the Water in a Balneum, of which at night you may give or take two Drams, or half an Ounce.

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CHAP. VII.

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Rules to be observed for the Acts or Practice of Memory.

MEmory, as we have already obferv'd, being an excellent Faculty or Ability of the Soul, it is by confequence to produce Acts anfwerable to it felf; which Acts by degrees form a Habit, that ftrengthens the Ability, and makes it more ready and able again to appear in Action: for the more we use this Ability, the more able and perfect we shall render it; whereas by Neglect and Sloth Men lose this natural Gift, and it becomes useles.

Now for the better exercifing of Memory, and accomplifting this rare Faculty, I shall recommend these following Rules, which I defire such to observe and practife as intend to use their Memories either in a Pulpit, or at the Bar, or on any other occasion, where they would deliver their Meditations without the affistance of Book or Paper.

1. Let the Subject treated on, or the Matter and Difcourse to be deliver'd, be rational, and worthy of our own Esteem: For

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the things we admire, or that afford us pleafure in the reading or hearing of 'em, make a deeper impression in our minds than those things we value not. As this Faculty is noble, it retains willingly nothing but what is anfwerable to it felf: likewife any thing strange and unufual, or that is futable to our own Genius and Temper, commonly finds in Memory a kind reception, and a longer retention. It is therfore the Advice which a wife Man recommends to young Students, Sapientem audire Praceptorem, quem etiam cogaris admirari, plurimum enim Memoria conducit; to hear a wife Tutor whom we ought to admire, because Admiration is a great advantage to remember his Instructions. And among the Keys of Wildom he reckons this to be one, Honor Magistri, a particular Respect not only for the Person of our Teacher, but a value for his Words and Directions, that we may treasure 'em up for our own use and benefit. For tho Memory by the Naturalists is compared to a Sieve, or to a Net, 'tis in respect of those weak and unfaithful Memories that never retain the things committed to their cuftody, but lofe them as foon as they have them.

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2. Let there be a Method and convenient Order observed, and a Coherence in the Discourse we defign to deliver; for it will be far more easy to mind and remember E 4 things

things that have a mutual dependence upon one another, than fuch as are without Order or Method.

3. Let every thing we defire to remember be fairly written and diffinctly, and divided into Periods with large Characters in the beginning; for by this means we shall the more readily imprint the Matter and Words in our minds, the more remarkable the Writing appears to the Ey. This Senfe conveys the Ideas to the Fancy better than any other; and what we have feen is not fo foon forgotten, as what we have only heard. Therfore Cicero tells us, in 3. de Oratore; Facilius ad ea que visa sunt, quam ad ea que audita sunt, Oculi Mentis feruntur : That the Eys of the Understanding (and confequently of the Memory) are carried more eafily to the things that are feen, than to those that are heard.

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4. For the affiftance of weak Memories, let the first Letters or Words of every Period, in every Page, be written in distinct Colors; yellow, green, red, black, &c. and observe the same order. This will make a greater impression, and very much affiss the Memory.

5. Let these Characters, or Beginnings of every Period, be well imprinted in our Minds, for they will quickly bring thither the whole Discourse also. No sooner shall

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we think upon the first entrance, but we shall have a prospect of all the rest in our Imagination. And it will be no fmall Affistance to our Memories, if these first Letters of every Sentence or Period can luckily express fome known or remarkable Word or Thing in every Page. As Buxtorf in his Hebrew Grammar, that Students may remember the Letters which change their natural Pronunciation by the Infcription of a Dagesh, has gathered them together in the word Begadkephat. And that they might not forget the Letters nam'd Quiescentes, that are written, and sometimes not pronounc'd, he has put them together in the word Ehevi. Thus if we may happily join all the first Words of every Sentence fo as to express some remarkable Thing, or Subject, or Word, we shall remember more eafily the Beginnings of every Period or Sentence; and by taking every Letter in order one after another, come to the remembrance of all that is written in the Page without any difficulty; for the beginning will lead us to all the reft. This Direction may be of great use to weak Memories.

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6. If we would have the command of our Memory, and fecure it from the frailty of Oblivion, and the danger of miftaking, it becomes us to have in our minds well imprinted the Abbreviation of our whole Difcourfe,

Discourse, and the chief Heads, so that in an inftant we may be able to recollect and caft our internal Ey upon any part of the Matter that ought to lie as it were before our Fancies; for in this cafe if any Interruption happens, or any Cafualty comes accidentally to disturb the Series of our Discourse, we shall be the more ready and better able to call to mind our Business, and proceed on with more Courage, Refolution, and less fear of a Miscarriage; because we may be certain, that in an unexpected Weakness of Memory we shall have a Remedy at hand to relieve us in case of need 3 and we shall speak with more confidence and boldnefs, the more we know our felves fecure from Frailty. Therfore it is Seneca's Advice, that in a large Discourse we should have it abbreviated and contracted to certain principal Heads, for the prevention not only of Confusion, but also of that Diforder that multiplicity of Words and Matter is apt to cause in weak Memories.

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7. Let there be a local Apprehension of our written Discourse well fixed in the Mind; and in the delivery of it let the Fancy proceed on, and the Imagination leisurely dictate the Matter, and the Words as they are couched in our Paper. This local Apprehension is the greatest help to Memory, and chiefly if the Characters, as we have

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have formerly noted, be fairly written, and remarkable to the Ey and Fancy; for as they give a deeper Impreffion into the mind, they become more legible, and are not fo foon defac'd.

8. When we first intend to recover a Discourse, and get it into our Memories, we ought to read it quietly with the greatest Attention and Intention of the Mind, setting associated all other Business which might incumber or interrupt us. We must for this purpose fummon all our Thoughts to attend upon the Business in hand, and sentence; for without this Intention it is impossible to be able to imprint any thing well into our Imagination. And before we proceed on too far, it becomes us to get well a part by heart, that our Memories may go on more fecurely and by degrees.

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9. Therfore it becomes us for this purpole to repeat often over what we have already learned, and foftly to utter every Sentence one after another. This Repetition will be of great use both for the getting it more perfect, and for the more easy delivery; for when the Tongue is accustomed to the Expressions, it will more readily deliver them again. And we find by experience, that Verses and other Discourses that we have often spoken, when once we begin

begin to deliver them, they drop from us infenfibly, and, as a Man that is used to run in a Career, or down a Hill, we cannot ftop till we come to the end.

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10. After we have thus gotten into our Memory a Discourse in the beginning, we must suppose that it is not confirmed in us, and must therfore run it over by a frequent Meditation, chiefly in the evening when we are going to bed, or in those Intervals that we cannot fleep ; for then the filence of the Night, and the quiet of the Time, are very proper to ftrengthen in Memory what we have committed to its cultody. These Meditations are esteemed by Aristotle the greatest Affistance of Memory; and Ptolomey calls Meditation the Key of Truth. Truly without this Practice a Discourse can never be well digested, but will come from us raw, perhaps as a Leffon from a Schoolboy; neither can we be able without it to make it our own, nor to give that Life and Virtue to it that is needful to affect the Minds of our Auditors. Therfore a Difcourse ought to have a convenient time to fettle in our Memories, that they may often run them over by Meditation.

11. Let young men take care to exercise their Memory betimes, for by a frequent Practice we gain and strengthen the Habit of Memory. Let not the Difficulties that may

may appear in the beginning, fright or caule us to discontinue, but refolutely proceed on in accustoming our Faculty to retain both Matter and Words. I know fome charge - their Memory with nothing but the Matter, but it is as eafy to mind the Words when once we have us'd our felves to the Practice. Cicero writes of Lucullus and Hortenfius, two famous Orators of the Roman Empire, who had vaft Memories, that the former remembred Matter, the other Words, and prefers therfore Lucullus before Hortenfius: but I conceive that Orator to be the most accomplish'd, who having penn'd his Difcourfe in fuch a manner, that it fpeaks weighty Matter as well as Words, is able to deliver it verbatim with deliberation and vigor. Seneca tells of himfelf, that he could repeat two thousand distinct Names one af ter another without any miltake, fo large was his Memory, which proceeded from a long and continued Exercise; for by this means we shall attain to a great Perfection.

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nenil abit 12. Beware of taking a pride, and glorying in our Memory. As we are to use it on neceffary occasions for the Glory of God, the Edification of his Church, and Instruction of the People, I would not have any vainly to boast or presume too much upon the Strength of Memory, but to look upon it as a Gift proceeding from God's Bounty

Bounty to us. Staupitius, a Tutor of Martin Luther, in a Sermon thought in a vain oftentation of Memory to repeat all the Genealogy of Christ mentioned by St. Matthew; but when he came to the Captivity of Babylon, his Memory fail'd him, which cauled him to take the Affiftance of his Book, with this Expression, I fee, faid he, God refisteth the Proud. How many have there bin, who vainly priding in this Excellency of the Soul, have bin totally deprived of their Memories, forgotten their own Names, their dearest Relations, &c. The Gifts of God are not to be imployed as Instruments of our Pride and Folly. Our Great Creator is fenfible of the injury done to his Liberality, when we afcribe to our Industry, Sobriety, or the Goodness of our Temper, what is most and chiefly due to his Bounty. Several fad Examples therefore of the Refentment of his Justice have appeared before our Eys, of Perfons who have altogether loft in a manner what was the greatest Subject of their Glory; that we might learn to avoid fuch Provocations, and behave our felves with Humility and Thankfulnels to his unwearied Goodnels, always giving him the Honor of our Perfections and Injoyments.

13. For the better prefervation of the Faculty of Memory, it becomes us to know well 01

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well its Strength, Ability, Reach and Frailty, that we may take Measures accordingly: for the loading of our Memory too much may be as prejudicial to it, as the taking of too heavy a Burden upon our shoulders will be to our Body and Loins; for it will wrong the Faculty it felf, and difinable it from further Service. Befides, the Ignorance of our own Weakness may expose us to the Shame and Laughter of the World, when we shall prefume to undertake what we cannot well perform. And as it is with a Man's Stomach when it is filled, cram'd more than Nature will bear, no Digestion can possibly be there; and instead of strengthning the Body, the Health is impair'd, and a shameful Diforder happens: So 'tis with the Memories of Men, they must not be too much loaded, nor burdened with more than they can well bear, according to the Saying of Horace,

Sumite Materiam vestris qui scribitis aquam Viribus, &C.

14. If we are to ftudy any Liberal Art or Science, it becomes us for the better incouragement of our Memories, and for a more firm retention of the Doctrins and Principles, to comprehend the Senfe, Meaning, and Reafonableness of them, before we

we commit them to their Cuftody. What we understand is our own, and cannot eafily be forgotten. Reafon is an excellent Confirmation of Memory when it is concerned in that Imployment; for while our reasoning Faculty continues, we shall never forget what it has formerly approved of, as agreeing with its internal Principles.

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15. And if we are to speak in public, it will be a great advantage to Memory that we perfectly understand the Matter and Bufinels in question; that we are fully acquainted with the Argument, Mystery, or Theme that we treat of; that we have fearch'd and studied all that may be alledged for or against it, and have continually a prospect of all that may be faid upon the Subject : For in cafe Memory should be interrupted, disturbed, or fail, it will not be difficult then to recover our felves to proceed on ; and if we have any thing of Invention, we may supply the defect of Memory by our former Knowlege; 'however, 'tis a great affistance to it to remember all the Particulars, and the continued Series of discourse, when we thus understand perfectly the Subject, and are no Novices in the Matter that we are publicly to deliver.

16. When we betake our felves to our Study, or offer to exercife our Memory by the delivery of a Difcourfe, we must obferve

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ferve what has bin faid before to be ufeful for the affifting of Memory, and indeavor to avoid what is prejudicial, as Gluttony, Drunkennefs, Debauchery, &c.

Set afide all other Occupations and Imployments, and chiefly those troubletom Paffions of the Mind that will not fuffer us to injoy our felves, as Anger, Wrath, Envy, Revenge, Lust, Covetousness, Alarms, Fears, &c. for when the Mind is totally taken up with such uneasy Guests, 'tis not possible to imploy it about the Functions of Memory, according to the old Proverb,

Pluribus intentus minus est ad singula sensus.

17. A convenient time is to be chosen for the Exercise of Memory; for all Seasons and Times are not proper, nor is the Mind ready disposed always for Activity: we must therfore chuse such a time as we know our felves to be best able to retain the things that we hear and read. Neither are all tempers alike, but commonly when we are fasting, or after a moderat Repast, or in the Night-season, or in the Morning, most Men are best prepar'd for the Exercise of their Memories, and to receive the Impressions and Ideas.

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18. But one Rule more I must add, which I look upon to be the chief; To seek from F God

God by our devout and constant Prayers, both the continuance and increase of our Memories: For I must confess, that 'tis a particular Gift and Favor of our great Creator, who hath beftowed upon us fuch a natural Ability. As therfore it depends upon his Bounty, 'tis from thence that we must expect its Perfection and Welfare. And tho by Art we may remove what is prejudicial to it, and help in fome respect the Faculty; tho we may prescribe Rules for the practice of Memory, yet all our Indeavors will prove vain and ineffectual without a Bleffing from above, which we must strive to obtain by our Humility and Devotion, being the ordinary Means appointed by the Divine Wildom for the getting and increasing of all temporal and spiritual Bleffings. Neither are we to doubt of gracious Returns to our Requests; for we have this Affurance from the facred Oracle, If you that are evil know how to give good things to your Children, how much more shall your heavenly Father give his holy Spirit to them that ask him? God hath referved to himfelf the beflowing of all spiritual Gifts, and this of Memory procedes from him: not only the Faculty, but likewife the Practice depends very much upon his immediate influence; for experience may inform us, that we have often an inward Affiftance granted to our Petitions,

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Petitions, to comfort and help the Weaknefs of our Memories in divers occafions, chiefly where the Intereft of Religion and his Honor is concerned, as in the public delivery of his Word and Will to his People. It becomes us therfore in all fuch Inftances not to rely or prefume too much upon our own Strength or Ability, but lean and truft upon the Allfufficiency of the Holy Spirit, who will never be wanting to them who earneftly and heartily implore his gracious Affiftance in time of need.

CHAP. VIII.

Rules to be observed to help our Remembrance of things that we desire to preserve in Mind.

THE multiplicity of Ideas and Matters that we commit to our Memories, will fometimes caufe the most capacious to forget things of the greatest Importance. For the better affisting therfore this Faculty to call to our remembrance such Objects, these Rules are to be observ'd.

1. Mind the Order in which those things were first enter'd into our Memories; for F_2 the

the things that precede will oblige us to think upon those that followed, and the Confequences of things will refresh in our Fancies that which went before. It becomes us therfore to record them in order with a Connexion and a mutual Dependence; and this Order will direct our Memories, and help them to find out fuch things as were loft and defaced by forget-Therefore a wife Man tells us, fulnels. Que bene invicem ordinata sunt, bene reminiscibilia sunt ; que vero male, difficulter in Memoriam revocantur. The things that are in good order are eafily to be remember'd, but those that are without Method or Order cannot, without much difficulty, be called to mind.

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2. For the better remembring of things, we ought to compare them with those things with which we are familiar, or best acquainted, and that have a refemblance with them, either in Syllables, in Quantity, in Office, Imployment, &c. For this Similitude will certainly imprint the Thing or Perfon so in our Mind, that if we do cafually forget, we shall the more easily recover the loss Idea, because the Idea that we have already in Memory, and that hath a refemblance and relation to that which is absent in some known Particular, will lead our Fancy to it again.

3. We may imprint in our Minds, and fix things in Memory, by thinking upon their Contraries or Oppolits; and we may by the fame means better remember things that are almost blotted out of our Imagination. For example, he that remembers an *Hector*, cannot forget *Achilles*; he that thinks upon a *Goliah*, will alfo mind a *Dawid*: when we reprefent to our felves Sobriety or Temperance, we cannot but have a Notion of Debauchery and Intemperance. Now if that which is contrary is better known to us, it will quickly refresh the Remembrance of that which we had forgotten.

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4. If we defire to mind things of Importance, we ought to imprint all the Circumstances in our Memories, of Time, Place, Perfons, Caules, &c. becaufe thefe Circumstances being always in our Fancy, will also keep there the things that we intend to preferve from oblivion. And fuch Circumftances will scarce be defac'd, if they are recorded in our Memories by the affiftance of the Eyes from the things themselves, or from the fight of them written or otherwife appearing to this Senfe : for as a Shadow can never be without a Body, nor a Form without a Substance, fo neither can the Circumstances be in our Minds without that reality that we purpole not to forget.

5. We may think upon things, and remember them by their Properties and Qualifications. For example; if we defire to remember a groß and fat Man, we may think upon King *Dionyfims*, of whom an Author tells us, that he grew fo fat, that he could fcarce fee, and that at last his Eys were closed up with Fat.

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6. If we defire to remember any thing, let us mind that Circumstance belonging to it, which is most admirable, remarkable, or futable to our Genius, Temper, or Intereft; for this will fix it in our Memories in fuch a manner that it will not easily be forgotten.

7. If we have feveral things to record in our Memory, note exactly the Number of them, with the first Letter of every such thing which may casually make up fome Name or Word; which being fixed in our Mind, will quickly direct us to every particular thing that we defign not to forget. For example; I defire to remember Sugar, Almonds, Prunes, Oil, and Raisins, I will therfore take the first Letter of every Word, and I find they make Sapor, which being fix'd in the Mind will direct me the soner to the things that I defign to remember.

Some other Rules may be prefcribed for this fame purpofe, which our Ingenuity may fupply

fupply us with, as a careful Repetition, frequent Meditation, &c. But because I have already mentioned them before, I proceed to represent the Fancies of some ingenious Men, and a Method which they lay down, and which may sometimes be useful I confess for the affisting of an Artificial Memory, and which indeed may very well be named a fantastical Remembrance, because it altogether depends upon the Fancy of the Contriver.

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CHAP. IX.

Of Artificial or fantastical Memory or Remembrance.

A Rtificial Memory, saith the Philosopher, Est Dispositio imaginaria in mente rerum sensibilium, super quas Memoria naturalis reflexa, per eas admonetur ut memoratorum facilius distinctius q; recordari valeat : It is an imaginary Disposition in our mind of senfible things, upon which when our Memory reflects, by them it is admonish'd and affisted to remember more easily and distinctly things that are to be minded. And, as Cicero speaks, Constat ex locis veluti ex cera aut tabella, & imaginibus veluti figuris litera-F 4

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rum; that it confifts in Places and Images, Gr. Now fome prefcribe the Imagination of a fair and regular Building, divided into many Rooms and Galleries, with differing Colors and diffinct Pillars, which the Party must fancy to stand before him as so many Repositories where he is to place the Things or Ideas which he defigns to remember, ordering them according to their feveral Circumstances and Qualifications, for the better affistance of Memory. Others, instead of a Houfe, Palace or Building, have chofen fuch Beafts as answer to all the Alphabetical Letters in the Latin Tongue, and instead of Rooms have affigned their feveral Members for our Fancy to fix our Ideas there, and place them for our better remembrance: These are the Names of the Beasts, Basiliscus, Canis, Draco, Elephas, Alinus, Faunus, Gryfus, Hircus, Juvencus, Leo, Mulus, Noctua, Ovis, Panthera, Qualea, Rhinoceros, Simia, Taurus, Orlus, Xyltus, Hyend, Zacheus. Every one of these they divide into five Parts or Places, into Head, Forefeet; Belly, Hinder-feet, and Tail; for this is the Order that Nature it felf directs, neither can our Imagination be diforder'd in reckoning or telling them over. So that by this means the Fancy may have one hundred and fifteen Places to imprint the Images of memorable things. Likewife in the Perfon

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Perfon speaking, we may fix the Ideas of things to be remembred on his Head, Forehead, Eys, Mouth, Chin; and fo downwards on all his Members. But if this way of Remembrance be beneficial, 'tis beft when the Places where we defign to leave and commit our Ideas are more known and familiar to us : As for example, the Town where we live, or the City that we are beft acquainted with; our Mind must as it were enter by the Gate, and proceed to the feveral Streets and Quarters of the Ciry, marking the public Places, Churches, Friends Houses, &c. by this means we may have an infinite number of Places to commit our Ideas. And because all Directions are beft understood by Examples, I shall recommend thefe, that this Method of remembring may better be comprehended. Suppose therfore a large and empty House, unto which we must not go often but feldom; suppose at the entrance there is one Room about three foot from the Door. the fecond about 12 or 15 foot, being in a Corner, the third being diftant about the fame number of feet; and fo likewife the fourth. fifth, fixth, feventh, and as many as you please, fancying upon them the number that denotes and diffinguishes the Rooms and Corners the one from the other, that there may be no Mistake nor Confusion in our remembrance;

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membrance; or, if you pleafe, diffinguish the feveral Rooms by other Characters than Numbers. Now when we have well fettled and divided the feveral Rooms and Corners in our Imagination, where we are to place the Ideas for our remembrance, we must contrive such a remarkable Fancy of that thing that we intend to put there as may not eafily be forgotten, and fuch a Fancy as may be remarkable for Folly, Simplicity, Wildom or Wonder, Gc. For example; if I will remember any thing acted by another, I must fancy him in one of these Rooms acting in a ridiculous manner that which I defign not to forget. Now the Figures that we must there place, ought to provoke to Pity, Wonder, Laughter or Scorn, that it may make a deeper Impreffion in our Fancy. Again, we may reprefent things by their Likeness or Contraries; for example, if we delign to remember Gaten, we will write the name of fome famous Phylician well known to us, or ot holome contemptible Mountebank. If we will nember Oviaius Nalo, we thall reprefent an with a great Nole; if Plato, we It think upon a Perlon with large Shoulders; if Cri/pus, we inall tancy another with Hair, and to of other things. But Method of remembring things is cum-Berfom and fantastical, and perhaps may Kian that were asgrea hot

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not be futable to every Temper and Perfon; neither is it proper, or of any ule for the Delivery of a Difcourfe by Memory, but rather for the affifting our Remembrance not to forget fome certain Paffages of our Life, and of others, and we may make fome ufe of it for the remembring of Sentences and Names.

I shall conclude with just fetting down fome other Rules which are prescribed by fuch as recommend this kind of Artificial Remembrance, for the better imprinting the Ideas in our Mind, and the avoiding Confusion.

1. That the things we defign to remember be three or four times read over or repeated, before we affign to them any kind of Images, or noted Species to preferve them; for by this means we fhall be better acquainted with them, and they will be lefs ftrange to our Imagination.

2. We must know how to adapt fuch Figures as are most futable to the things to be preferved in our Memory, and fuch Figures as are known to us, that we may be the more quickly and easily minded of the things themselves.

3. Now to fuch Figures we must affign a convenient Action or Motion, for that makes a greater Impression than such as are still and quier

quiet, and the Imagination is more readily moved by a moving Object than by one without Life and Motion.

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4. Such Figures are to be contrived to mind us of the things as may excite the Paffions of the Soul, and the Affections, as Sorrow, Joy, Anger, Pleafure, Indignation, Wrath, Wonder or Compaffion, &c. thereby the Soul is more concern'd in keeping in mind the things and Ideas that we defire to preferve.

5. We are to make use of such Figures as are proper not only for the things, but also for the Places where we lay them up for our Remembrance, and such as have a natural relation to the Places; as a Miller grinding in his Mill, the Fish in the Water, Birds flying in the Air, wild Beasts in a Forest, &c. And therfore we may rather use natural Figures than artificial, or such as our Fancy may contrive.

6. Again, those Figures must not be too mean or contemptible, nor too high above our ordinary Reach, Capacity, and familiar Acquaintance.

7. Neither are we to make use of the fame Figures or Images, to represent divers things at the same time: Therfore we must have ready in our fancy several Images to picture out, or form the Ideas of the things that are to be remembred. 8. Such

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8. Such Images are to be often recall'd in our mind in the same order as they were placed, with their feveral Circumstances and Properties, and fuch as are most remarkable and notable : for if by chance the Idea be blotted out, those Circumflances will quickly renew them in our memorative Faculty; and a frequent Repetition will make a deeper Impression in our Minds of the things that we defire not to forget; chiefly if this Repetition be made when we are going to lay. down our Heads upon our Pillows: for it is observable, that what we think upon when we are going to fleep, we shall have fresh in our Fancy when we awake the next Morning. And in those Intervals that we lie quiet at Midnight without fleeping, we may eafily imprint in our Imagination things that will not quickly be forgotten. The Mind will then be more fusceptible, more retentive and tenacious of any Idea that we recommend to it with Deliberation, and free from the Incumbrance of Bulinefs : for he that will make use of his Memory, must know himself what time and feafon is most proper to imploy it, when it is most at liberty, and freest to receive the Impreffions or Ideas of things. "Tis with Memory as with the other Faculties and Abilities belonging to Man, there is

a time for Action, and a time when they are not fit, and a Temper that renders them unable to produce the natural Operations. Such Times therfore, Seafons and Tempers are to be chosen for the exercise of Memory when it is altogether difingaged from Troubles, Impediments, and all Incumbrances, and freeft for Action. Our youthful Days are the most proper to begin to imploy this Faculty, for we then may speedily learn, and eafily improve this Ability to our great Comfort and Advantage in the following course of our Lives. And as it has already bin obferv'd, Exercife will render us by degrees more perfect: So that we shall never have cause to repent of the Labors and Pains that we take in this cafe at the beginning of our days. It is therfore the Advice of a wife Author,

Nanc adhibe puro pettore verba paer 3 Nunc te melioribus offer. Quo semel est imbuta recens servabit odorem Testa diu.

And another tells us, Non tantum celerius, Jed etiam perfectius imbuuntur, que à pueris discuntur. Veget. lib. 1.

I shall conclude this Treatife with two Verses of Persius. Mille

The Art of Memory.

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Mille hominum species & rerum discolor usus; Velle suum cuig; est, nec voto vivitur uno.

And with the Proverb of Hefiod,

Εξγα νέων, βουλάι δέ μιέσων, έυχαι δέ γεζόντων.

And with the Saying of Tully,

Virtute duce, comite fortuna, omnia summa consequi possumus.

FINIS.

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