Richard GREY

Memoria Technica:

John OR, A Trevanion

NEW METHOD

OF

ARTIFICIAL MEMORY,

Applied to and exemplified in

CHRONOLOGY, HISTORY, | GEOGRAPHY, ASTRONOMY.

ALSO

Jewish, *Grecian* and *Roman* Coins, Weights and Measures, *&c.*

With TABLES proper to the respective Sciences; and Memorial Lines adapted to each TABLE.

Hæc, dum incipias, gravia sunt, dumque ignores; ubi cognoris, facilia. Ter. Heaut.
Frustra docemur, si quicquid audimus præterfluat. Quint.

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MDCCXXX.

THE INTRODUCTION.

'TIS a general Complaint amongſt Men of Reading, and to many a Diſcouragement from it, that they find themſelves not able to *Retain* what they read with any Certainty or Exactneſs. And in no Part of Literature is there greater Room for this Complaint than in *Hiſtory:* To the ſtudying of which with Pleaſure and Improvement, as nothing contributes more, ſo nothing has been thought more difficult to be *retain'd*, than a diſtinct and accurate Knowledge of *Chronology* and *Geography*. Upon this Account ſeveral Attempts have been made to remedy, in ſome Meaſure, the Defects of the Memory, by Chronological and Geographical Tables, Cuts and Maps, and by reducing the principal Parts of Hiſtory to certain Epocha's or Æra's, ſo diſpoſed and contrived, as may be moſt likely to

affect the Imagination, and make the deeper Impreſſion upon the Mind. Thus Mr. *Hearne* in his *Ductor Hiſtoricus*, has reduced the whole Compaſs of Chronology to 13 Grand Epocha's, all beginning with the Letter C. Mr. *Prideaux*, in his *Introduction to Hiſtory*, has made Uſe of the Number *Seven*, throughout his whole Book; "not out of Affectation (as he tells us) "but Experience, as *moſt eaſy* "*for the Memory*;" with others of the like Nature, which ſerve at leaſt to ſhew that the Memory *wants* Aſſiſtance, and that *ſmall* Helps are better than *none*. But of all the Inventions made Uſe of for this End, none has been found to contribute more to the Aſſiſtance of the Memory than that of *Technical* Verſes; both as they generally contain a great deal in a little Compaſs, and alſo becauſe being once learn'd, they are ſeldom or never forgot. For the Truth of which I may venture to appeal to the weakeſt Memories, whether they have not to the laſt found themſelves in Poſſeſſion of that ever memorable Line:

Barbara Celarent Darii Ferio Baralipton.

Of this Nature is the following Method; the Deſign of which is not to make the *Memory better*, but *Things more eaſy to be remember'd*; ſo that by the Help of it an ordinary, or even a weak Memory, ſhall be able to retain what the ſtrongeſt and moſt extraordinary

dinary Memory could not retain without it. For as he, who firſt contriv'd to aſſiſt the Eye with a Teleſcope, did not by that pretend to give Sight to the Blind, or make any Alteration in the Eye it ſelf; but only to bring the Objects nearer, that they might be view'd more accurately and diſtinctly; ſo neither is it pretended * by this Art to teach thoſe to remember *every* Thing, who never could remember *any* Thing; or to make Men in an Inſtant ſkilful in Sciences, which before they were utterly unacquainted with, but only to enable them to retain with *Certainty* and *Exactneſs* what they have already a general and competent Knowledge of: that they may not be oblig'd upon every Occaſion to have freſh Recourſe to their Books or Maps, or be under the tireſome Neceſſity of reading the ſame Things again and again, ſtill forgetting them as faſt as they read them.

To thoſe who may object, of what Uſe is it to be thus exact, and content themſelves with an imperfect and confuſed Remembrance of what they read, it *might* be anſwer'd, that ſuch as think it of no Uſe, need not, as I preſume they will not, trouble themſelves about

* Hæc ars tota habet hanc vim non ut totum aliquid, cujus in ingeniis noſtris pars nulla ſit, pariat & procreet, verum ut ea, quæ ſunt orta jam in nobis & procreata, educat atque confirmet. *Cic. de Orat.* Lib. II. *Edit. C. Steph.* p. 182.

about it; this being design'd for the Benefit of those only, who think it is of Use; and who, even at the Expence of a little Pains, *would* remember if they *could:* But besides this, I believe it will be agreed on all Hands, that, to instance in History only, a Man who *has* an exact Notion of Time and Place finds incomparably more Pleasure, and makes a speedier Progress in that Study, than he who *has not.*

I shall here beg Leave to transcribe a Passage from Mr. ADDISON's *Dialogues, upon the Usefulness of Antient Medals:* "There is "one Advantage, says *Eugenius,* that seems "to me *very considerable,* which is the great "Help to Memory one finds in Medals: "For my own Part I am very much embar-"rassed in the Names and Ranks of the se-"veral *Roman* Emperors, and find it diffi-"cult to recollect upon Occasion the diffe-"rent Parts of their History; but your "Medallists, upon the first naming of an "Emperor, will immediately tell you his "Age, Family and Life. To remember "where he enters in the Succession, they "only consider in what Part of the Cabinet "he lies, and by running over in their "Thoughts such a particular Drawer, will "give you an Account of all the remarkable "Parts of his Reign."

If this be such a *considerable Advantage* in Medals, I hope it will be allow'd that the following Method is of some Use, since by it

it a Man may be enabled to remember when any Emperor from *Julius Cæsar* to *Constantine* began his Reign, and that as readily as you can name him, by the Help of no more than *six Memorial Lines.* The like he may do with the same Ease and Readiness by the Kings of *England*, and so proportionably for any other Part of Sacred or Profane History. For how impracticable soever it may seem at first View, I have Reason to believe that any Reader of a common Capacity may, by a regular Proceeding, and ordinary Application, be able readily and exactly to answer *most*, if not *all* the Questions that can be proposed from the following Tables.

The Manner in which I would advise him to proceed (after having premised that he must not be too hasty at first, but make himself * Master of one Thing before he proceeds to another, beginning with such Particulars as he has most Occasion or Inclination to retain) is this. First let him learn to *explain* the several *Memorial Lines*, according to the Method hereafter to be laid down, by consulting the Tables to which they belong. 2. This done, let him by looking upon the Tables learn to make out the Lines;

* Assumendus Usus paulatim, ut pauca primum complectamur Animo quæ reddi fideliter possint: mox per incrementa tam modica ut onerari se labor ille non sentiat, augenda usu & exercitatione multa continenda est, quæ quidem maxima ex parte memoria constat. *Quintil.* Lib. 10. Edit. *Gibs. Ox.* p. 534.

Lines; and 3. Let him charge his Memory with them, by *frequent Repetition.* By this Means the Words will become *Familiar*, how harſh and uncouth ſoever they may appear at firſt; and he will find it as eaſy to know the Diameter, Diſtance, and Magnitude of any Planet; the particular Time or Age of any remarkable Perſon or Thing; the Longitude and Latitude of any Place, and the like, as it is to remember their *Names:* The whole Art being in Effect nothing more than this; *To make ſuch a Change in the* Ending *of the Name of a Place, Perſon, Planet, Coin,* &c. without altering the Beginning *of it, as ſhall readily ſuggeſt the Thing ſought, at the ſame Time that the Beginning of the Word, being preſerved, ſhall be a* leading *or* prompting *Syllable to the Ending of it ſo changed.*

I would willingly here let the Reader a little more into my Meaning, which he may not otherwiſe ſo readily apprehend, leſt he ſhould think there is more difficulty in the Matter than there really is. I would aſk him then if he thinks he could remember to call CYRUS, Cyr*uts*; or ALEXANDER the Great, Aléx*ita*; or JULIUS Cæſar, Juli*os* Cæſar; or MAHOMET, Mahom*audd*; if he can but do this, he has nothing elſe to do (when he is once Maſter of the general Key, and knows what Letters of the Alphabet ſtand for what Figures) in Order to remember, without any Poſſibility of being miſtaken, that the Years in which *Cyrus*, *Alexander*, and *Julius Cæſar*, founded

founded their respective Monarchies, were as follow:

	Bef. Christ.
CYRUS [Cyr*uts*]	536
ALEXANDER [Alex*ita*]	331
JULIUS Cæsar [Juli*os*]	46

And that the *Mahometan* Æra, or Flight of *Mahomet*, was *A. D.* 622. In like Manner for Geography; does he think he could remember to call MADRID Madr*oy,t* or JERUSALEM Jeru*ta-ts*, or BLENHEIM Blenhe*bav*, or THESSALY Thes*jan?* This is all that is requir'd to remember that the Degree of Latitude of *Madrid* is about 40, and the * Longitude about 3. The Latitude of *Jerusalem* about 31, and the Longitude 36; that *Blenheim* is in *Bavaria*, and that the antient *Thessaly* was the present *Janna*. Thus the Reader will observe, that all that he has to do, is for one Word to remember another, which only † varies from it a little in the *Termination*. And to make even this easier to be remem-

* The Reader is presumed to be so far acquainted with Geography, as to be able to tell which is Eastern and which is Western Longitude, when he is inform'd that the first Meridian is fix'd at *London*.

† In many Words the Variation is very small; as K. John K. J*ann*, INACHUS In*akus*, Solon So*lun*, HERODOTUS Herodo*fus*, PLATO Pla*tok*, TRAJAN Traja*nk*, CLEOPATRA Cleopat*la*, GORDIAN Imp. Gor*din*, the Battle of MARATHON Marath*onz*, ATTILA Atti*fla*, CROESUS Crœ*suse*, AUSTIN Aust*ins*, &c. Those which appear more difficult will be full as easy, when familiarized by Use.

ber'd, the *Technical* Words are thrown into the Form of common *Latin* Verſe, or at leaſt of ſomething like it. For as there was no Neceſſity to confine my ſelf to any Rules of *Quantity* or *Poſition*, I hope I need make no Apology for the Liberty I have taken in having without Regard to *either*, and perhaps now and then without ſo much as a Regard to the juſt Number of Feet, only placed the Words in ſuch Order as to make them run moſt eaſily off the Tongue, and ſucceed each other in the moſt natural Manner. But this by the Way for the Reader's Encouragement.

In the mean Time, till he can repeat the *Memorial Lines*, and to thoſe who are not willing to give themſelves any Trouble at all in charging their Memory with them, the *Tables* themſelves will not be without their Uſe: Of which it may be expected that I ſhould give ſome Account.

For the Chronology and Hiſtory I have chiefly conſulted Archbiſhop *Uſher*'s Annals, *Marſhall*'s Chronological Tables, *Petavius*'s *Rationarium*, Mr. *Hearne*'s *Ductor Hiſtoricus*, and Biſhop *Beverege*'s *Inſtitutiones Chronologicæ*. The Succeſſion of the *Aſſyrian* and *Babylonian* Monarchs, the Kings of *Perſia*, *Media*, *Syria*, *Egypt*, &c. is taken from Dr. *Prideaux*'s Chronological Tables at the End of his *Connection*; the Times of the Flouriſhing of the Fathers, Hereticks, Councils, *&c.* from Dr. *Cave*'s *Hiſtoria Literaria*. The *Roman* Emperors, and the Time of the Writing of the Canoni-

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eal Books of the New Teſtament from Mr. *Eachard*'s Roman and Eccleſiaſtical Hiſtories. The Legatin and Provincial Conſtitutions from the Biſhop of *London*'s *Codex Juris Eccleſiaſtici*. The Aſtronomical Calculations are from Mr. *Derham*'s Aſtro-theology. I have alſo added Mr. *Whiſton*'s from his Theory of the Earth. In the Geographical Part my chief Guide has been Dr. *Wells* Treatiſe of antient and preſent Geography, whoſe Maps may be conſulted by the Learner. The Coins, Weights and Meaſures are partly from the accurate Tables of Dr. *Arbuthnot*, partly from Biſhop *Cumberland* and Dr. *Prideaux*. If any prefer other Authors, who differ from theſe, they may eaſily apply the Art to their favourite Author, by a Change of the Words according to the Method laid down. And indeed when the Reader is perfectly Maſter of it, he would do well to form Words for his own Uſe, which perhaps he will ſooner remember than thoſe which I had form'd for mine; my Deſign being rather to give a Specimen of what might be done by it, than a Set of *Compleat* Tables in the reſpective Sciences. If ſome think I have been deficient in leaving out what they think worthy of remembring, others perhaps will think I have been too Full. To both theſe I anſwer, that I impoſe no Taſk upon my Readers, nor deſire to prevent their own Improvements; they may add what they pleaſe, and paſs by what they pleaſe. Nor do I think it at all neceſſary that they ſhould be

able to anſwer *every* Particular in the following Tables; only this I may venture to affirm, that if they once charge their Memory with them, they will find them no Burden, and that 'tis not only practicable, but eaſie to be done.

'Tis not to be expected, that Gentlemen, who have gone through the Courſe of their Studies, will trouble themſelves to begin again anew, and go regularly through the *whole*. But it is ſubmitted to thoſe who have the Education of young Students in the Univerſities and publick Schools, whether it would not be of ſome Service towards facilitating the Progreſs of their Pupils and Scholars in uſeful Knowledge, to have them early and thoroughly acquainted with this ſmall Treatiſe. 'Tis the Advice of *Quintilian*, that Boys ſhould be uſed to repeat, as faſt as poſſible, harſh and crabbed Words and Verſes, purpoſely made difficult, in order to give them a more full and articulate Pronunciation. His Words are theſe: * *Non alienum fuerit exigere ab his ætatibus, quo ſit abſolutius os & expreſſior ſermo, ut nomina quædam verſuſque affectatæ difficultatis, ex pluribus aſperrime coëuntibus inter ſe ſyllabis catenatos & veluti confragoſos, quam citatiſſime volvant.* The frequent Repetition of the following *Memorial Lines* would certainly anſwer *this* End, and at the ſame

* Inſt. Orat. *Ed. Gibſon. Oxon*, p. 12.

ſame Time a *much better*; and if I might alſo recommend, as he does, the *writing* of them too, in order to make the deeper Impreſſion, it would doubtleſs have a good Effect, and Boys would be treaſuring up Learning even before they were aware of it. † *Illud non pœnitebit curaſſe cum* Scribere *nomina puer (quemadmodum moris eſt) cœperit, ne hanc operam in vocabulis* vulgaribus *& forte occurrentibus perdat. Protinus enim poteſt Interpretationem linguæ ſecretioris quam* Græci γλώσσας *vocant, dum aliud agitur, ediſcere, & inter prima Elementa conſequi rem poſtea proprium tempus deſideraturam.* It may be ſufficient to have juſt hinted theſe Things to thoſe whoſe more immediate Province it is, and who are beſt qualified to judge what Methods may moſt effectually contribute to the Improvement of thoſe under their Care.

From the Account I have given of it, the Reader will obſerve, that the Method here propoſed is perfectly different from that of *Simonides* the *Cean*, ſo * famous among the Antients for being the firſt Inventer of an Art of

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† Ibid.

* Σιμονίδης ὁ Λεωπρέπους, ὁ Κεῖος, Ὁ ΤΟ ΜΝΗΜΟΝΙΚΟΝ ΕΥΡΩΝ, ἐνίκησεν Ἀθήνησιν διδάσκων, καὶ αἱ εἰκόνες ἐστάθησαν Ἁρμοδίου καὶ Ἀριστογείτονος, ἔτη Η Η. —— Marm. Arund. I. *l.* 70.

De Simonide hoc vide *Joannem Tzetzem*, Chiliade I *cap.* 24. Ubi victorias reportaſſe ait quinquaginta ſex. Conſule etiam *Valerium Maximum*, Lib. IV. *cap.* 7.

of Memory, † of whom both *Tully* and *Quintilian* ſpeak with Reſpect, and of whoſe Method of * *Places* and *Images* (*i. e.* of having a Repoſitory of Ideas, a large Houſe or the like, divided into ſeveral Apartments, in each of which you are to place in Order a ſymbolical Repreſentation of the Things which you would remember) they have given us a very full and particular Account, as alſo of the Occaſion which firſt gave Riſe to it. What Improve-

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† Non ſum tanto ego inquit ingenio quanto Themiſtocles fuit ut Oblivionis artem quam Memoriæ malim; gratiamque habeo Simonidi illi Ceio quem primum ferunt artem memoriæ protuliſſe. *Cic. de Orat.* Lib. 2.

* Conſtat Artificioſa memoria locis & imaginibus, &c. *Cicero ad Herennium*, Lib. III. Edit. *Car. Steph.* p. 30.

Loca diſcunt quam maxime ſpatioſa, multa varietate ſignata, domum forte magnam, & in multos diductam receſſus. In ea quicquid notabile eſt animo diligenter affigitur, ut ſine cunctatione ac mora partes ejus omnes cogitatio poſſit per currere. ———

Et primus hic labor eſt non hærere in occurſu, plus enim quam firma debet eſſe memoria, quæ aliam memoriam adjuvet. Tum quæ ſcripſerunt, vel cogitatione complectuntur, & alio ſigno quo moneantur, notant. Quod eſſe vel ex re tota poteſt, ut de navigatione, militia: vel ex verbo aliquo. Nam etiam excidentes, unius admonitione verbi in memoriam reponuntur; ſit autem ſignum navigationis, ut anchora; militiæ, ut aliquid ex armis. Hæc itaque digerunt: primum ſenſum vel locum veſtibulo quaſi aſſignant, ſecundum atrio, tum impluvia circumeunt, nec cubiculis modo aut exedris, ſed ſtratis etiam ſimilibuſque per ordinem committunt. Hoc facto, cum eſt repetenda memoria, incipiunt ab initio loca hæc recenſere, & quod cuique crediderunt, repoſcunt, & eorum imagine admonentur, &c. *Quint. Inſt. Orat.* Lib. XI. Edit. *Gibſ.* 561.

Improvements have been made of this Method by ſome modern Authors, or in what Manner, or with what Succeſs others have ſet up to teach privately the Art of Memory, I am altogether ignorant. Having found my own Method ſufficient for my ſelf, I had no Inclination to look after any other. What Uſe it may be of to the Publick muſt be left to Experience. The Novelty of it may perhaps recommend it to the Inquiſitive and Curious, and I deſire nothing more than that into whoſe Hands ſoever it may fall, he would not be prejudiced againſt it upon the Account of its *ſeeming Difficulty*, before he has made *Trial* of it, being inclined to think that to any one, who is at all acquainted with it, it will be found to be ſo far from being *really* difficult, that nothing can be more eaſy, or more obvious. The Repreſentation of Numbers by Letters of the Alphabet hath been a Thing in Practice, more or leſs, almoſt in every Language. The only Thing wanting was to make that Repreſentation further uſeful, by ſubſtituting Vowels as well as Conſonants for the numerical Figures, in ſuch Manner and Proportion, that any Number might be form'd into a Word capable of being articulately pronounced, and conſequently more perfectly remember'd. Amongſt the *Jews* indeed, of whoſe Alphabet the Vowels are no Part, it was a Practice, not only to abbreviate Sentences and Names of many Words, by putting together the Initial

Letters

Letters of thoſe Words, and making out of them an † *Artificial Word* to expreſs the whole; but alſo to make uſe of *Natural* Words, to repreſent Numbers, when they could meet with ſuch as happen'd to anſwer the Number which they wanted to expreſs. We have ſeveral Pieces of Ingenuity of this Kind in the Frontiſpeices of their Bibles, where they give us the *Year* of the Edition in ſome Word or Sentence of Scripture, the Letters of which according to their numerical Value make up the Date. * I have ſubjoin'd ſome of them for

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† As *Rambam* for RABBI MOSES BEN MAIMON; *Ralbag* for RABBI LEVI BEN GERSON; *Macchabees*, from the Abbreviation of the Words in the Standard of *Judas Macchabæus*, MI CAMOKA BAELIM JEHOVAH, i. e. *who is like unto thee amongſt the Gods O Lord.* vid. Prideaux Connect. *Part* II. Book 3. Of this Nature is what the Reader will meet with in the Beginning of the Geographical Part of this Method, *pag.* 49.

* Sed non omittendum eſt, Judæos in librorum præcipue titulis, ad annum quo impreſſi ſunt indigitandum, literas numerales alio atque quem tradimus ordine Collocare. Enimvero vocem unam vel plures, eaſque vel ſeorſim, vel in Sententia aliqua Biblica comprehenſas excogitant, quarum literæ ut ut diſpoſitæ numerum propoſitum valeant. Ex. gr. In Bibliis ſacris a Joſepho Athia Amſtelodami editis, tria occurrunt frontiſpicia, unum ad Pentateuchum, ad Prophetas alterum, tertium ad Hagiographa. Primum impreſſum dicitur שנת לשני עט סופר מהיר לפיק Anno computi minoris *lingua mea eſt ſtylus ſcribæ prompti. Pſ.* 45 Ubi voces עט סופר ut virgulis ſuperne notatæ annum indigitant quo Pentateuchus impreſſus fuit. Quotus autem fuit annus computi Judaici minoris ſtatim inveniatur, ſi omnes vocum iſtarum literæ una cum numerico earum valore ita diſponantur

for the Entertainment of the Learned Reader, from Biſhop *Beverege*'s *Arithmetice Chronologica.* And indeed I am not certain whether I owe not to Obſervations of this Kind the firſt Hint of this Method, which I have carried ſo far, and which doubtleſs, like all other Inventions, is ſtill capable of further Improvements.

What is added of the Miſcellany Kind, is a ſmall Part of what I had drawn up for my own Uſe, and ſhews how eaſily this Art may be applied to almoſt every Part of Learning. If upon the whole this Attempt ſhall be found to contribute to the more ſpeedy Attainment of uſeful Knowledge, and to give Men of Reading, inſtead of an imperfect and confuſed Remembrance of what they read, a ſatisfactory Certainty and Exactneſs, as I

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tur ע 70 ט 9 ם 60 פ 80 ר 200. 419. Ergo annus erat 419 juxta computum Judæorum minorem, de quo videſis Chronologicas noſtras Inſtitutiones. Sic & Prophetæ impreſſi dicuntur בשנת משא גי חזון לפק Anno *Onus vallis viſionis* computi minoris, *Iſ.* 22. Ubi literæ משא גי חזון valent 420. Frontiſpicium autem ad כתובים ſive Hagiographa impreſſum eſt Anno כתובים באצבע אלהים ſcripta Digito Dei, ubi primæ duæ literæ vocis כתובים annum eundem 420 ſignificant. Nam ת valet 400, & ב 20. Hunc etiam in modum Talmud Baſileæ impreſſum dicitur שנת פרות שלח לעמו Anno *redemptionem miſit populo ſuo. Pſ.* 111. Ubi literæ vocis שלח valent 338. Denique Seder Tephilloth Hiſpanienſis ſive Judæorum Hiſpanorum liturgia ingenioſiſſime impreſſa dicitur שנת הזאת Hoc Anno, *i. e.* Anno 413, quem literæ הזית indigitant. *Lib.* 1. c. 6.

cannot think the little Time I have ſpent upon it ill beſtow'd in Reſpect of my own Improvement; ſo I ſhall be glad that it proves of as much Benefit to others as I have found it to my ſelf.

ERRATA.

IN a Thing ſo uncommon and difficult to be printed, the Reader will not be ſurprized to find ſome few *Errata*, which he is deſired to correct as follow:

Page 18. lin. 6. *for* Crom*ſla* 1651, read Crom*ſli* 1653. *Ib.* l. 15. r. Crom*ſli*. *P.* 26. l. 11. *for* Cyana*ſif* *r.* Cyaxa*ſif*. *P.* 34. l. 15. *for* 307. r. 507. *P.* 37. l. 16. after *Conſtantine*, read *Conſtantine*, *Conſtantius* and *Conſtans*. *P.* 39. l. 14. *for* Commenus r. Comnenus. *Ib.* l. 25. *for* Anaſta*ſna* r. Anaſta*ſna*. *P.* 44. l. 16. *for* Pau-ſam*tauz* r. Pau-ſam*dauz*. *P.* 58. l. 5. *for* devoir r. devcor. *P.* 71. l. 8. *for* Germanica r. Germania. *P.* 100. *for* SCHANEUS r. SCHOENUS. *P.* 110. l. 14. *after* An-*te*,*re* add Son*ap*. *P.* 113. l. 2. *for* Biſhops r. Archbiſhops.

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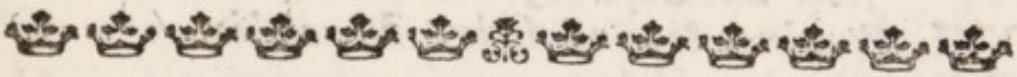

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SECT.

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Memoria

Memoria Technica:

OR, A

NEW METHOD

OF

Artificial Memory.

SECT. I.

THE principal Part of this Method is briefly this; To remember any thing in Hiſtory, Chronology, Geography, *&c.* a Word is form'd, the Beginning whereof being the firſt Syllable or Syllables of the Thing ſought, does, by frequent Repetition, of Courſe draw after it the latter Part, which is ſo contriv'd as to

give the Anſwer. Thus, in Hiſtory, the Deluge happened in the Year before *Chriſt* two Thouſand three Hundred forty eight; this is ſignified by the Word Dél*etok*: Del ſtanding for Deluge, and *etok* for 2348. In Aſtronomy, the Diameter of the Sun is eight Hundred twenty two Thouſand one Hundred and forty eight *Engliſh* Miles; this is ſignified by Soldi-*ked-âfei*, Soldi ſtanding for the Diameter of the Sun, *ked-âfei* for 822,148; And ſo of the reſt, as will be ſhewn more fully in the proper Place. How theſe Words come to ſignifie theſe Things, or contribute to the Remembring of them is now to be ſhewn.

The firſt Thing to be done is to learn exactly the following Series of Vowels and Conſonants, which are to repreſent the numerical Figures, ſo as to be able, at Pleaſure, to form a *Technical* Word, which ſhall ſtand for any Number, or to reſolve a Word already form'd into the Number which it ſtands for.

a	*e*	*i*	*o*	*u*	*au*	*oi*	*ei*	*ou*	*y*
1	2	3	4	5	6	7	8	9	0
b	*d*	*t*	*f*	*l*	*s*	*p*	*k*	*n*	*z*.

Here *a* and *b* ſtand for 1, *e* and *d* for 2, *i* and *t* for 3, and ſo on.

Theſe Letters are aſſign'd Arbitrarily to the reſpective Figures, and may very eaſily be remember'd. The firſt five Vowels in order naurally repreſent 1, 2, 3, 4, 5. The Dipthong *au* being compoſed of *a* 1 and *u* 5 ſtands for 6; *oi* for 7, being compoſed of *o* 4 and *i* 3; *ou* for 9, being compoſed of *o* 4 and *u* 5. The Dipthong *ei* will eaſily be remember'd for eight, being the Initials of the Word. In like Manner for the *Conſonants*, where the Initials could convenienly be retain'd, they are made uſe of to ſignifie the Number, as *t* for three, *f* for four,

s for ſix, and *n* for nine. The reſt were aſſign'd without any particular Reaſon, unleſs that poſſibly *p* may be more eaſily remembred for 7 or Se*p*tem, *k* for 8 or ὀκτὼ, *d* for 2 or duo; *b* for 1, as being the firſt Conſonant, and *l* for 5, being the Roman Letter for 50, than any others that could have been put in their Places.

The Reaſons here given, as trifling as they are, may contribute to make the Series more readily remembred; and if there was no Reaſon at all aſſign'd, I believe it will be granted that the Repreſentation of nine or ten numerical Figures by ſo many Letters of the Alphabet, can be no great Burthen to the Memory.

The Series therefore being perfectly learn'd, let the Reader proceed to exerciſe himſelf in the Formation and Reſolution of Words in this manner.

10	325	381	1921	1491	1012	536	7967
az	*tel*	*teib*	*aneb*	*afna*	*bybe*	*lis*	*pouſoi*

431	553	680	&c.
fib	*lut*	*seiz*	&c.

And as in Numeration of larger Sums, 'tis uſual to point the Figures at their proper Periods of Thouſands, Millions, Billions, *&c.* for the more eaſy Reading of them, as 172.102,795 one Hundred ſeventy two Millions, one Hundred two Thouſand, ſeven Hundred ninety five; ſo, in forming a Word for a Number conſiſting of many Figures, the Syllables may be ſo conveniently divided, as exactly to anſwer the End of Pointing: Thus in the Inſtance before us, which is the Diameter of the Orbit of the Earth in *Engliſh* Miles. The *Technical* Word is Dorbtér*boid-áze-poul*; the Beginning of the Word Dorbter, ſtanding for the Diameter of the ORBit of the

Earth, and the remaining Part of it *boid-aze-poul* for the Number 172.102,795.

N. B. Always remember that the Dipthongs are to be confider'd but as *one Letter*, or rather, as repreſenting only *one Figure*. Note alſo, that *y* is to be pronounced as *w*, for the more eaſily diſtinguiſhing it from *i*, as *ſyd*=602 pronounce *ſwid*, *typ*=307 pronounce *twip*.

The Reader will obſerve that the ſame Date or Number may be ſignified by different Words, according as Vowels or Conſonants are made Choice of, to repreſent the Figures, or to begin the Words with, as

325 *tel*, or *idu*, 154 *buf*, or *blo*, or *alf*, or *alo*. 93,451 *ni-ola*, or *out-fub*, or *ni-fla*, or *out-olb*, &c.

This Variety gives great Room for Choice, in the Formation of Words, of ſuch Terminations as by their *Uncommonneſs* are moſt likely to be remembred, or by any *accidental Relation* or *Alluſion* they may have to the Thing ſought. Thus the Year of the World in which *Æneas* is ſuppoſed to have ſettled in *Italy* is 2824; but as this may be expreſſed either by *ekef* or *deido*, I chooſe rather to joyn *deido* to *Æneas*, and make the Technical Word Æne*deido* than Æn*ekef*, for a Reaſon which I think is obvious. Thus King *John* began his Reign *A. D.* 199. (one Thouſand being underſtood to be added, as I ſhall ſhew hereafter;) but as this may be expreſs'd by *anou*, or *boun*, or *ann*, I make Choice of the laſt, for then 'tis but calling him J*ann* inſtead of John, and you have the Time almoſt in his Name. Thus *Inachus* King of *Argos* began his Reign in the Year before *Chriſt* 1856; with a very ſmall Variation in the Spelling, 'tis his Name, In*akus*. But this by the Way.

To

To go on with our Art; 'tis further to be obſerv'd, that *z* and *y* being made uſe of to repreſent the Cypher, where many Cyphers meet together, as in 1000, 1000000, &c. inſtead of a Repetition of *azyzyzy*, which could neither be eaſily pronounced nor remember'd; let *g* ſtand for Hundred, *th* for Thouſand, and *m* for Million. Thus *ag* will be 100, *ig* 300, *oug* 900, &c. *ath* 1000, *oth* 4000, *otho* or *othf* 4004, *peg* 7200, *dig* 2300, *lath* 51000, *am* 1000000, *azmoth* 10.004,000, *ſumus* 65000056, *loum* 59.000,000, &c. The ſolid Content of the Earth is two Hundred ſixty four Thouſand, eight Hundred fifty ſix Millions of Cubick Miles; this is expreſs'd by the Word Solconter-*éſo-klaum*; Solconter ſtanding for the SOLid CONTENT of the Earth; *éſo-klaum* for 264,856.000,000 the Number of Cubick Miles.

It will be ſometimes alſo of uſe to be able to ſet down a Fraction, which may be done in the following Manner: Let *r* be the Separatrix between the Numerator and the Denominator, the firſt coming *before*, the other *after* it; as *iro* $\frac{3}{4}$ *urp* $\frac{5}{7}$ *pourag* $\frac{79}{100}$ or ,79 *north* $\frac{94}{1000}$ or ,094 &c. Where the Numerator is 1, or Unit, it need not be expreſſed, but begin the Fraction with *r*, as $\frac{1}{2}$ *re*, $\frac{1}{3}$ *ri*, $\frac{1}{4}$ *ro*, &c. So in Decimals, ,01 or $\frac{1}{100}$, *rag*, ,001 or $\frac{1}{1000}$ *rath*.

Thus I have given the Reader a general View of what is the principal Part of this new Method. I ſhall now proceed to ſhew how I have applied it to Hiſtory, Geography, Aſtronomy, and other Parts of uſeful Learning; and having explain'd a Line or two in each, leave the reſt to his own Induſtry and Sagacity.

SECT.

SECT. II.

The Application of this Art to Chronology and History.

THE Ages of the World before our Saviour's Time are by Chronologers generally divided into Six: The First from the Creation to the Deluge; the Second from the Deluge to the Call of *Abraham*, &c. according to the following Periods:

	Before Christ.
1. The CREATION of the World	4004
2. The universal DELUGE	2348
3. The Call of ABRAHAM	1921
4. Exodus, or the Departure of the *Israelites* from *Egypt*	1491
5. The Building of *Solomon*'s TEMPLE	1012
6. CYRUS, or the End of the Captivity	536
The Birth of *Christ*.	

All this is expreſt in one Line belonging to TAB. I. as follows:

Cr*othf* Dél*etok* Ab*aneb* Exáſ*na* Tém*bybe* Cyr*uts*.

Cr denotes the Creation, *othf* 4004, Del the Deluge, Ab the Calling of *Abraham*, Ex Exodus, Tem the Temple, and Cyr Cyrus. The Technical Endings of each repreſent the reſpective Year according to the Rules already laid down.

I ſhall explain two Lines more.

Nicſilcon-ári*tel*, Coda-thém*ateib*, Ephcethe-nés*ſib*.
Chállemar-eudí*ola*, Covijúſt-O*lut*, Cágcopo-mon*ſeiz*.

Theſe

These two Lines are a short History of the first Six General Councils; and every Syllable has its distinct Signification. The *first* represents the Place where it was held; the *second* shews who was Pope at that Time; the *third* under what Emperour; the *fourth* against what Heretick; the *fifth*, in what Year of our Lord. Thus the first Word is Nicsilcon-ári*tel*. Nic denotes the Council of NICE, sil Pope SILVESTER, con the Emperour CONSTANTINE, ari the Heretick ARIUS, *tel* the Year 325. The second Word is Coda-thémat*eib*; Co denotes the Council of CONSTANTINOPLE, da Pope DAMASUS, *the* the Emperor THEODOSIUS, ma the MACEDONIANS, *teib* 381. The third is Ephcethe-nes*fib*; Eph the Council of EPHESUS, ce Pope CELESTINE, *the* the Emperour * THEODOSIUS, nes the NESTORIANS, *fib* the Year 431. The fourth is Chállemar-eudí*ola*; Chal the Council of CHALCEDON, le Pope LEO, mar the Emperour MARCION, eudi the Errors of EUTYCHES and DIOSCORUS, *ola* the Year 451. The Fifth is Covijúst-O*lut*; Co stands for CONSTANTINOPLE, vi Pope VIGILIUS, just the Emperour JUSTINIAN, O the Errors of ORIGEN, *lut* the Year 553. The sixth is Cágcopo-mon*seiz*; C stands again for CONSTANTINOPLE, ag for Pope AGATHO, copo the Emperour CONSTANTINE POGONATUS, mon the MONOTHELITES, *seiz* the Year 680.

By this Specimen the Reader will be able to judge what he is to expect from the following Essay, and what it will cost him to make himself Master of it. I would by no Means have him discouraged at the Difficulty which, at first View, he may apprehend there is, in charging his Memory with so many harsh and barbarous Lines. For tho' they may appear to be so to a Person unacquainted with them, and as such difficult to be remember'd; yet when frequent Repetition has made them familiar, what

* *Theodosius Junior.*

what can be more eaſy than to ſupply the remaining Part of a Word, which you are prompted with the Beginning of? As for Inſtance, to complete Cr--- Del--- Ab--- Ex--- Tem--- Cyr--- with their Technical Endings, and make them up into the following Line already explain'd,

Cr*othſ* Dél*etok* Ab*aneb* Exáſ*na* Tém*bybe* Cyr*uts*.

I have only further to deſire the Reader to take Notice, that for his greater Eaſe, that Part of the Memorial Words, which repreſents the Numbers or Dates, is diſtinguiſhed by *Italick* Characters; that Part, which is Roman, anſwers to the ſmall Capitals in the Tables.

TABLE I.

General Epochas and Æras Eccleſiaſtical and Civil.

	Bef. Chr.
The CREATION of the World [Cr*othſ*]	4004
The univerſal DELUGE [Dél*etok*]	2348
The Call of ABRAHAM [Ab*aneb*]	1921
Exodus of the *Iſraelites* [Exáſ*na*]	1491
The Building of *Solomon*'s TEMPLE [Tém*bybe*]	1012
CYRUS, or the End of the Captivity [Cyr*uts*]	536
The Birth of *Chriſt*.	
The Deſtruction of TROY [Tróy*abeit*]	1183
The Firſt OLYMPIAD [Olym*pois*]	776
The Building of ROME [Rom*put*]	753
ÆRA of NABONASſar [Ærnabonáſ*pop*]	747
The PHILIPPICK Æra, or the Death of *Alexander* [Phíl*ido*]	324
The Æra of CONTRACTS, or of the *Seleucidæ*, called in the Book of *Maccabees* the Æra of the Kingdom of the *Greeks* [Contrác*tad*]	312

The

	A. D.
The DIOCLESian Æra, or the Æra of Martyrs [Diocléſeko]	284
The Æra of the *Hegira*, or Flight of MAHOMet [Máhom*audd*]	622
The Æra of YEZdegird, or the *Perſian* Æra [Yéz*ſid*]	632

The Memorial Lines.

Cro*thſ* Dé*letok* Ab*aneb* Exá*ſna* Tém*bybe* Cyr*uts.*
Tróy*abeit* Olym*pois* Rom*put* & Ærnabonáſ*pop.*
Phíl*ido* Contrác*tad* ✠ Diocléſ*eko* Máhom*audd* Yéz*ſid.*

THO' I have no where (except in the Ages of the Patriarchs before *Abraham)* made uſe of any other Æra than that of the Years before and after *Chriſt*, becauſe, thoſe being known, 'tis eaſy to find the correſpondent Year of any other Æra, according to the common Rules laid down in Books of Chronology, which I ſhall ſuppoſe the Reader to be acquainted with; yet in the more eminent Epochas, that he may be able, at firſt Glance, to have a Notion of the Time of any Thing or Perſon which he may meet with in Authors, making uſe of the *Julian* Period, and the Æra of the Creation of the World, I have alſo added them in the following Table.

TABLE II.

	Jul. Period.	*An. M.*
The CREation of the World	710	1
The univerſal DELuge	2366	1656
The Call of ABraham	2793	2083
Exodus of the *Iſraelites*	3223	2513
The Building of *Solomon*'s TEMple	3702	2992

	Jul. Period.	*An. M.*
CYRUS, or the End of the Captivity	4178	3468
The Destruction of TROY	3531	2821
The First OLYMPIAD	3938	3228
The Building of ROME	3961	3251
The Birth of CHRIST	4714	4004

The Memorial Lines.

Crép*paz* Delpé*tsau* Dém*asus* Abm*ezki* Apépni.
Exp*idet* Exmélat Temp*ipze* Temménne Cymún*tosk*.
Cyrp*oboik* Troypílta Tróm*ekeb* Olymp*iník* Olmtêek.
Romp*insa* Rómm*idub* Chrismúnd*othf* Chrisperi*foibo*.

EXPLANATION.

The first Syllable points out the Epocha as before; the Addition of *p* or *peri* denotes that it is the Year of the *Julian* Period. The Addition of *m* or *mund*, that it is the Year of the World.

TABLE III.

Chronological and Historical Miscellanies before Christ.

	Bef. Chr.
Building of the *Tower* of BABEL [Báb-*edit*]	2233
MIZRAIM settles in *Egypt* [Miz*dakk*]	2188
Destruction of SODOM and Gomorrah [Sód*akoup*]	1897
Death of JOSEPH [Joséph*asil*]	1635
ANNUS sabbaticus, or the first Sabbatical Year [An*Safff*]	1444
SAUL first King of *Israel* [Saulázn*u*]	1095
JEROBOAM, or the Defection of the Ten Tribes [Jéro*noil*]	975

SALMA-

Bef. Chr.

SALManeser King of *Assyria* takes *Samaria*, and extinguishes the Kingdom of *Israel* [Salm*peb*] — 721

HOLOFErnes invadeth *Judæa*, and is slain by *Judith* [Holofé*slu*] — 655

NINEveh destroyed by the *Medes* and *Babylonians* [Ninív*sad*] — 612

JEHOIAkim taken Prisoner by *Nebuchadnezzar*, from whence begin the 70 Years Captivity of the *Jews* [Jehoía*sys*] — 606

ZEDekiah sent in Chains to *Babylon*, and *Jerusalem* utterly destroy'd by *Nebuzaradan*, Captain of the Guard to *Nebuchadnezzar*; the End of the Kingdom of *Judah* [Zed*leik*] — 588

[*N. B.* The Kingdom of Israel [KÍ*selo*] / The Kingdom of JUDAH [Jud*osk*] lasted 254 / 468 Years.]

The BABYlonians having revolted from DARIUS HYSTASPES, are besieged by him, and *Babylon* taken, after a Siege of 20 Months, by the Stratagem of *Zopyrus* — 516

SARDis burnt by the *Athenians*, in Confederacy with the *Ionians*, which gave the first Rise to the *Persian* War against the *Greeks* [Sar*dug*] — 500

ZOROAstres appears at the *Persian* Court [Zoroa*sne*] — 492

ESTHer made Concubine to *Ahasuerus* [Esth*osa*] — 461

The Feast of PURIM instituted in Memory of the Defeat of *Haman*'s Plot for the Destruction of the *Jews* [Pur*olt*] — 453

EZRA sent to be Governour of *Judæa* [Ezr*olk*] — 458

NEHEMIAH sent Governour to *Judæa*, and rebuilds the Walls of *Jerusalem* [Nehemi*ffu*] — 445

	Bef. Chr.
The Temple on Mount GERIZim began to be built by *Manasseh* [Gerizózei]	408
The Translation of the SEPTuagint [Septepoi]	277
Judas MACCHABÆUS [Jumass]	166

The Memorial Lines.

Bábedit & Mizdakk Sódakoup Joséphasil ASafff.
Saulázznu Jéronoil Salmpeb Holoféslu Ninívsad.
Jehoíasys Zedleik [duravit Kíselo, Júdosk.]
Babdárhylas Sardug Zoroafne Esthosa Purolt.
Ezrolk Nehemìffu Gerizózei Septepoi Jumass.

TABLE IV.

Chronological and Historical Miscellanies after Christ.

	Aft. Christ.
Dispersio JUDÆorum, or the Destruction of *Jerusalem* by *Titus* [Dis-judpa]	71
LUCIUS of *Britain*, the first Christian King [Lûcibup]	157
ZENOBia Queen of *Palmira* led in Triumph to *Rome* by *Aurelian* [Zenobdoid]	272
ECCLESIÆ PAX, or the Establishment of Christianity by *Constantine* [Ecclesipaxtad]	312
St. ALBAN the *British* Protomartyr [Albantyt]	303
CLOVis the first Christian King of *France* [Clóvoka]	481
LINGUA LATina, or the Latin Tongue ceases to be vulgarly spoken in *Italy* [Ling-latleip]	587
Augustine the Monk, sent by *Gregory the Great* from *Rome*, converts ETHELbert King of *Kent* [Aug-ethelúnau]	596
CHARLEMagne declared Emperour of the West [Charlmeig]	800

The

HENRY the THIRD [Heth*das*]	*Oct.* 19. 1216
EDWARD I. [Ed*doid*]	*Nov.* 16. 1272
EDVARDUS SECUNDUS [Ed*setyp*]	*July* 7. 1307
EDVARDUS TERTIUS [Edter*tes*]	*Jan.* 25. 1326
RICHARDUS SECUNDUS [Ri*setoip*]	*June* 21. 1377
HENRY the FOURTH [Hefo*toun*]	*Sept.* 29. 1399
HENRY the FIFTH [Hefi*fádque*]	*Mar.* 20. 1412
HENRY the SIXTH [Hén*sifed*]	*Aug.* 31. 1422
EDVARDUS QUARTUS [Edquar*fauz*]	*March* 4. 1460
Edward the FIFTH } [Efi-R*okt*] {	*April* 9. 1483
Richard III. } [Efi-R*okt*] {	*June* 22. 1483
HENRICUS SEPTIMUS [Hen*sépfeil*]	*Aug.* 22. 1485
HENRICUS OCTAV. [Heno*clyn*]	*April* 22. 1509
EDVARDUS SEXTUS [Ed*sexlos*]	*Jan.* 28. 1546
MARY [Mary*lut*]	*July* 6. 1553
ELISABETH [Els*luk*]	*Nov.* 17. 1558
JAMES I. [Jam*syd*]	*March* 24. 1602
CAROLUS PRIMUS [Caroprim*sel*]	*March* 27. 1625
CAROLUS SECUNDUS [Car*sec*sok]	*Jan.* 30. 1648
JAMES II. [Jam*seif*]	*Feb.* 6. 1684
WILLIAM and MARY [Wil*seik*]	*Feb.* 13. 1688
ANNE [An*pyb*]	*Mar.* 8. 1701
GEORGE I. [Gëo*bo*]	*Aug.* 1. 1714
GEORGE II. [Gëo*doi*]	*June* 11. 1727

The Memorial Lines.

Casibel*ud* Bóad*aup* Vortig*sos* Heng*sul* & Arth*laf*.
Egbe*kek* Alfré*kpe* Can*bau* Confés*se*.

Wil-con*sau* Ruf*koi* Henr*ag*. ———
Steph*bil* & Hen*sécbuf* Ric*bein* J*ann* Heth*das* & Ed*doid*.
Ed*setyp* Edter*tes* Ri*setoip* Hefo*toun* Hefi*fádque*.
Hén*sifed* Edquar*fauz* Efi-R*okt* Hen*sépfeil* Heno*clyn*.
Ed*sexlos* Mary*lut* Els*luk* Jam*syd* Caroprim*sel*.
Car*sec*sok Jam*seif* Wil*seik* An*pyb* Gëo*bo* —— *doi*.

EXPLA-

N. B. After *Canute* inclusive One Thousand is to be added to each: It was thought unnecessary to express it, being a Thing in which it is impossible that any one should mistake.

If it be desired to remember in what Month each King began his Reign, it may be done by the following Lines:

Hen*gútoto-sémaraug-augpril.* Ed*nóvjuja-marpjan.*
Wil*tósefeb.* Steph*de.* John*p.* El*no* Ric*julyjunjun.*
An*mar.* Gëor*augjun.* Ja*marfeb.* & Caro*marjan.*

EXPLANATION.

Hen. denotes all the *Henries*, Ed. all the *Edwards*, Will. all the *Williams*, &c. the Syllables following denote the Months in which the respective Reigns began, in Order; as, *gu* stands for the Month in which *Henry* I. began his Reign; *to* the Month in which *Henry* II. began his Reign, *&c.* *gu* or *aug* standing for August; *to* for October, *se* for September, *mar* for March, *p* or *pril* for April, *ju* for July, *jun* for June, *&c.*

If this be thought either too difficult, or too minute, the Reader may pass it over.

TABLE

TABLE VI.

Chronological Miscellanies since the Conquest.

	Aft. Chr.
Jerusalem regained from the *Turks* and GODfrey of BULloigne made King of it [God-bul*nou*]	1099
The INQUISition first erected against the *Albigenses* [Inquis*ded*]	1222
The Confirmation of Magna CHARTa by King *Henry* III. [Chart*eel*]	1225
Wat TYLer's Rebellion suppres'd [Tyl*ika*]	1381
Jack CADE's Rebellion suppres'd [Cade*fly*]	1450
MARtin LUTHer begins to preach in *Germany* against Indulgences, and other Errors of the Church of *Rome* [Mar-luth*lap*]	1517
The Name of PROTestants first began on Occasion of the Protestation the *Lutherans* made against a Decree of the Chamber of *Spire* against them [Prot*alen*]	1529
The SMALCALdan League, or Agreement made between the Protestants of *Germany* for their mutual Defence at *Smalcald* [Smalcal*loz*]	1540
The Council of TRENT began DEC. 13. [Tren-dec*at-alfu*]	1545
The MASsacre of Protestants at PARIS [Mas-par*aloid*]	1572
The UNited PROVINCES, under the Protection of *William* Prince of *Orange*, throw off the *Spanish* Yoak [Un-p*loin*]	1579
The SPANISH INVASION [Sp-inv*ukk*]	1588
The GUNPOWDER Treason [Powd*syl*]	1605

The famous Rebellion at *Naples*, on Occasion of the grievous Excises, headed by MASSANELLO [Masanel*sop*]	1647
Oliver CROMWELL usurps the Government of *England* under the Name of Protector [Crom*sla*]	1651
The Island JAMAICA in *America* taken by the *English* [Jamaic*aull*]	1655
CROMWELLI MORS [Crom-mor*suk*]	1658
GIBRALTAR taken by the *English* [Gibra*pzo*]	1704

The Memorial Lines.

God-bul*nou* Chart*eel* Inquis*ded* Tyl*ika* Cade*fly*
Mart-luth*lap* Prot*alen* Smalcall*oz* Tren-dec*at-alfu.*
Mas-par*aloid* Un-p*loin* Sp-inv*ukk* Powd*syl* Masanel*sop.*
Crom*sla* Jamaic*aull* Crommor*suk* capta Gibra*pzo.*

N. B. A Thousand is to be added as above, where it is not expressed.

TABLE VII.

The PATRIARCHS *before and after the* FLOOD.

		Anno Mund.	*Age.*
ADAM [Ad*niz*]	created	1	930
SETH [Seth*áty-nad*]	Born	130	912
ENOS [En*dil-nyl*]		235	905
CAINAAN [Cai*tel-naz*]		325	910
MAHALALEEL [Mahala*toul-koul*]		395	895
JARED [Jar*ósy-naud*]		460	962
ENOCH [Ench*séd-isu*]		622	365
METHUSELAH [Methu*seip-naun*]		687	969
LAMECH [La*koif-poip*]		874	777

NOAH

	Anno Mund.	*Age.*
NOAH [Noach*azus-nuz*]	1056	950
SHEM [Shem*bulk-aug*]	1558	600
ARPHAXAD [Ar*aslei-fik*]	1658	438
SALAH [Sal*asout-ott*]	1693	433
HEBER [Heb*aped-oso*]	1722	464
PELEG [Pel*apup-etou*]	1757	239
REU [Reu*apeip-din*]	1787	239
SERUG [Ser*akan-diz*]	1819	230
NAHOR [Nahor*akon-bok*]	1849	148
TERAH [Ter*akoik-dyl*]	1878	205
ABRAHAM [Ab*ezyk-boil*]	2008	175
Isaac [Is*ebyk-beiz*]	2108	180
JACOB [Jácob*ebauk-bop*]	2168	147

The Memorial Lines.

Ad*niz* Seth*áty-nad* ———
—— En*dilnyl* Cai*tel-naz* Mahala*toul-koul.*
Jar*osy-naud* ———
Ench*sed-isu* Methu*seip-naun* La*koif-poip* Noach*azus-nuz*
Shem*bulk-aug* Ar*aslei-fik* Sal*asout-ott* Heb*aped-oso.*
Pel*apup-etou* Reu*apeip-din* Ser*akan-diz* Nahor*akon-bok.*
Ter*akoik-dyl* Ab*ezyk-boil* Is*ebyk-beiz* Jácob*ebauk-bop.*

TABLE VIII.

The Judges of Israel *from the Death of* Moses *to* Samuel.

	Bef. Chr.
Moses dies [Mosm*ola*]	1451
JOSHUA [Jósh*fol*]	1445
OTHONIEL [Oth*ózu*]	1405
EHUD [Ehu*tel*]	1325
DEBORAH [Debo*deil*]	1285
GEDEON [Ge*dol*]	1245

	Bef. Chrift.
ABIMELECH [Abm*ets*]	1236
THOLA [Thl*ett*]	1233
JAÏR [Jaï*daz*]	1210
JEPHTA [Jepht*akk*]	1188
IBZAN [Ibz*âke*]	1182
ELON [Elo*boil*]	1175
ABDON [Abdon*aſo*]	1164
ELI [Elí*bup*]	1157
SAMUEL [Sam*bap*]	1117

The Memorial Lines.

Moſm*ola* Jóſh*fol* Oth*ózu* Ehu*tel* Debo*deil* Ge*dol* Abm*ets*.
Thl*ett* Jaï*daz* Jepht*akk* Ibz*âke* Elob*oil* & Elí*bup*.
Abdon*aſo* Sam*bap* ——

N. B. One Thouſand is to be added. The Dates affixed to the Judges before *Abimelech* are ſuppoſed to relate not to the Beginning of their preſiding over *Iſrael*, but to the End of the *Reſt* given by them. *Vide* the Preface to *Petavius*'s *Rationarium*. Edit. Genev.

TABLE IX.

Kings of all *ISRAEL.*

	Bef. Chrift.
SAUL [Saul*aznu*]	1095
DAVID [Dav*azul*]	1055
SOLOMON [Solom*ázal*]	1015

The

The Defection of the X. *Tribes* 975.

Kings of *JUDAH.*

	Bef. Christ.
REHOBOAM [Reho*noil*]	975
ABIJAM [Abí*nup*]	957
ASA [Asa*nul*]	955
JEHOSAPHAT [--hosaphan*bo*]	914
JEHORAM [--hor*kein*]	889
AHAZIAH [Ahazi*kku*]	885
ATHALIAH [Athli*kko*]	884
JEHOAASH [--hoaash*koik*]	878
AMAZIAH [Amaz*kin*]	839
UZZIAH or AZARIAH [Uz-azari*kby*]	810
JOTHAM [Joth*puk*]	758
AHAZ [Ahá*zpod*]	742
HEZEKIAH [Heze*pep*]	727
MANASSEH [Man*sóut*]	693
AMON [Amón*sot*]	643
JOSIAH [Josia*soz*]	640
JEHOIAKIM [--hoiakim*syn*]	609
JEHOIAKIN [--hoiak*aug*]	600
ZEDEKIAH [Zedeki*lneí*]	598

Kings of *ISRAEL.*

	Bef. Christ.
JEROBOAM [Jero*noil*]	975
Nadab [N*nuf*]	954
BAASHA [Baa*nut*]	953
ELAH [El*niz*]	930
ZIMRI, TIBNI and Omri [Zim-tib*nen*]	929
OMRI alone [Om*nel*]	925
AHAB [Ahá*bnak*]	918
AHAZIAH [Ahazi*koup*]	897

JORAM

	Bef. Chrift.
JORAM [Jor*knau*]	896
JEHU [Jehu*kko*]	884
JEHOAHAZ [Jehoaha*klau*]	856
JEHOASH [--hoafh*kin*]	839
JEROboam II. [Jerofe*kdu*]	825
ZACHARIAH [Zachara*ppt*]	773
SHALLUM [Shallu*ppe*]	772
MENAhem [Mena*ppe*]	772
PEKAIah [Pekai*pfa*]	761
PEKAH [Peka*pun*]	759
Hosea [Hof*piz*]	730

The Memorial Lines.

Saul*aznu* Dav*azul* Solom*ázal* Reho-jerob*noil.*

Abí*nup* Afa*nul*, --hofaph*anbo*, --hor*kein* Ahazi*kku.*
Athli*kko* --hoaafh*koik* Amaz*kin* Uz-azari*kby.*
Joth*puk* & Aház*pod* Heze*pep* Man*fout* & Amón*fot.*
Jofia*foz* --hoiakim*fyn* --hoiak*aug* Zedeki*lnei.*

N*nuf* Baa*nut* El*niz* Zim-tib*nen* Om*nel* Ahab*nak.*
Ahazi*koup* Jor*knau* Jehu*kko* Jehoaha*klau.*
---hoafh*kin* Jerofe*kdu* Zachara*ppt* Shallu*ppe* Mena*ppe.*
Pekai*pfa* Peka*pun* Hof*piz* ———

N. B. The Break before fome of the Words denotes that Je is wanting, as --hofaph*anbo* for Jehofaph*anbo*, --hor*kein* for Jehor*kein*, &c.

TABLE X.

The PROPHETS.

JONAS prophefied againft *Nineveh* [Jon*kze*]	862
Joel prophefied [Jo*eig*]	800

AMOS

AMOS prophesied against King *Jeroboam* [Am*peip*] 787
HOSEA prophesies against *Israel* [Hos*epku*] 785
Isaiah began to prophecy [Is*pauz*] 760
NAHUM prophesies against *Nineveh* [Náhu*puk*] 758
MICAH prophesies against *Judah* and *Jerusalem* [Mic*put*] } 753
JEREMIAH began to prophecy [Jer*sta*] 631
ZEPHANIAH prophesied [Zeph*autz*] 630
HABAKUK prophesied [Haba*syn*] 609
EZEKIEL in Captivity had his first Vision [Eze*loul*] 595
OBADIAH prophesies against the *Edomites* [Obadi*lkoi*] } 587
Daniel had his Vision of the four Empires [D*ull*] 555
HAGGAI prophesied [Hag*lez*] 520
ZECHARIAH prophesied [Zechar*údz*] 520
MALACHI writes his Book which was the End of Vision and Prophecy [Malach*inp*] } 397

The Memorial Lines.

Jon*kse* Jo*eig* Am*peip* Hos*epku* Náhu*puk* Is*pauz*.
Mic*put* Jer*sta* Zeph*autz* Haba*syn* Eze*loul* Obadi*lkoi*.
D*ull* Hag*lez* Zechar*údz* Malach*inp*. ——

TABLE XI.

Kings of *ASSYRIA*.

	Bef. Christ.
ARBACES [Arba*pop*]	747
SALMANESER [Salm*pek*]	728
SENNACHERIB [Sennach*oibo*]	714
ESARHADDON [Esarhado*pzau*]	706
SAOSDUCHINUS [Sa6s*saup*]	667

CHINila-

	Bef. Chrift.
CHINiladanus [Chin*ſop*]	647
NABOPALaſſar [Nabopal*ſel*]	625
NEBuchadnezzar [Neb*ſys*]	606
EVILmerodoch [Evil*laub*]	561
NERIGliſſar [Nerig*lun*]	559
LABOroſoarchod } [Labo-Nab-*lul*] } NABonadius	555
DARius MEDE [Darmed*lik*]	538

Kings of *BABYLON.*

	Bef. Chrift.
BELESis [Bele*ſpop*]	747
NADius [Nad*pif*]	734
CHINzirus } [Chi-Po-Jug-*pes*] } Porus } JUGæus	726
Mardok EMPadus [Em*pea*]	721
ARKianus [Ark*pyn*]	709
BELIBUS [Belibu*pze*]	702
APRONaudius [Apron*aunn*]	699
REGIBilus [Regib*ſni*]	603
MESeſſimordacus [Mes*ſoud*]	692
ASSARadinus [Aſſar*ſky*]	680

The Memorial Lines.

Arba*pop* & Salm*pek* Sennach*oibo* Eſarhado*pzau.*
Saós*ſaup* Chin*ſop* Nabopal*ſel* Neb*ſys* Evil*laub.*
Nerig*lun* Labo-Nab*lul* Darmed*lik.*

Bele*ſpop* Nad*pif* Chi-Po-Jug*pes* Em*pea* Ark*pyn.*
Belibu*pze* Apron*aunn* Regib*ſni* Mes*ſoud* Aſſar*ſky.*

TABLE

TABLE XIII.

Kings of *PERSIA.*

	Bef. Chr.
CYRUS [Cyr*uts*]	536
CAMBYSES [Camby*len*]	529
[OROPASTES MAGUS]	
DARIUS HYSTASPES [Dar-hysta*lda*]	521
XERXES [Xerx*oku*]	485
Artaxerxes LONGimanus [Long*fauf*]	464
XERXES II. slain by	
SOGDIANUS slain by	423
DARIUS NOTHUS [Dar-noth*odi*]	
Artaxerxes MNemon [Mn*oyf*]	404
OCHUS [Och*ilk*]	358
ARSES [Ars*tip*]	337
Darius CODOMAnnus overcome by *Alexander* [Codoma*ttu*]	335

Kings of *MEDIA.*

	Bef. Christ.
DEJOCES [Dejo*pzou*]	709
PHRAORTES [Phra*slau*]	656
CYAXARES [Cyaxa*sif*]	634
ASTYAGES [Ast*uno*]	594
CYAXARES II. [Cy-*d-lun*]	559

Kings of *EGYPT.*

	Bef. Christ.
SABACUS [Sabacu*pdoi*]	727
SEVECHUS [Sev*pan*]	719
TARACHUS [Tara*pyl*]	705
Inter-regnum of the XII. Princes [Prin-*bé-skei*]	688

	Bef. Chrift.
PSAMITticus [Pfamit*fpy*]	670
NECUS [Necus*fas*]	616
PSAMMIS [Pfamm*aug*]	600
APRIES [Apr*unf*]	594
AMASIS [Amas*láun*]	569
PSAMINITicus conquer'd by *Cambyfes* [Pfaminit*lel*]	525

The Memorial Lines.

Camby*len* [Oro-mag] Dar-hyfta*lda* Xerx*oku* Long*fauf* [Xerd-fog] Dar-noth*odi* Mn*oyf* Arftip Och*ilk* Codomat*tu*.

Dejo*pzou* Phra*flau* Cyana*fif* Aftuno Cy-*d*-*lun*.

Sabacu*pdoi* Sev*pan* Tara*pyl* Prin-*bé*-*fkei* Pfamit*fpy*.
Necus*fas* Pfamm*aug* Apr*unf* Amas*láun* Pfaminit*lel*.

TABLE XIII.

The different Names of the fame Perfons in Scripture, and in Profane Authors.

ARBACES	TIGLETH PELESER
BELESIS	NABONASSAR
Merdok EMPADUS	Merodoc BALADAN
Assaradinus	ESARHADDON
NABONADIUS	BELSHAZZAR
DARIUS the MEDE	CYAXARES II.
SABACUS	SO
NECUS	Pharaoh NECHO
TARACHUS	TIRHAKAH
APRIES	Pharaoh HOPHRAH
DEJOCES	ARPHAXAD
Artaxerxes LONGIMANUS	AHASUERUS

The

The Memorial Lines.

Arb-tigpel Bel-nab Nabonad-belſh Darm-cya Sab-ſo.
Dej-arphax Long-ahas Empád-balad Aſſ-eſar Apr-hoph.

N. B. Necus and *Tarachus* are ſo near to *Necho* and *Tirhakah*, that it was thought needleſs to inſert them in the *Memorial Lines.*

TABLE XIV.

Kings of *EGYPT* and *SYRIA*, *after the Death of* ALEXANDER the Great.

Kings of *EGYPT.*

	Bef. Chriſt.
Ptol. LAGI [Lag*tyo*]	304
Ptol. PHILADELPHUS [Ph-a*dko*]	284
Ptol. EUERGETES [Eu*dos*]	246
PTOL. PHILOPATOR [Ptol-ph*eeb*]	221
PTOL. EPIPHANES [Ptol-epiph*ezo*]	204
Ptol. PHILOMETOR [Phom*beiz*]	180
Ptol. PHYSCON [Phyſco*bfu*]	145
Ptol. LATHURUS [Lathur*adz*]	120
ALEXANDER [Alexan*ky*]	80
Ptol. AULETES [Aul*aul*]	65
CLEOPATRA [Cleopat*la*]	51

Kings of *SYRIA.*

	Bef. Chriſt.
SELEUCUS NICANOR [Sel-ni*tad*]	312
ANTIOCHUS SOTER [Anti-ſo*doin*]	279
Antiochus THEOS [A-the*dauz*]	260
SELEUCUS CALLINICUS [Sel-cal*dfu*]	245
Seleucus CERAUNUS [Ceraun*eel*]	225

	Bef. Chriſt.
ANTiochus MAGnus [Ant-mag*dee*]	222
SELeucus PHilopater [Sel-ph*aks*]	186
ANtiochus Epiphanes [An-E*boil*]	175
ANTiochus EUPator [Ant-eup*aſo*]	164
DEMetrius soter [Dem-*ſâſe*]	162
ALexander BALA [Al-bal*buz*]	150
Demetrius NICator [D-nic*afu*]	145
Antiochus SIDETes [Sidet*boz*]	140
Demetrius NICator [D-nic*aty*]	130
ZEBenna [Zeb*bel*]	125
Antiochus GRYPHus [Gryph*adi*]	123
SELEUCUS [Seleucu*ns*]	96
PHILIP [Philip*ne*]	92

The Memorial Lines.

Lag*tyo*Pha*dko* Eu*dos*Ptolph*eeb* Ptol-epiph*ezo*Phom*beiz*.
Phyſco*bſu* Lathur*adz* Alexan*ky* Aul*aul* Cleopat*la*.

Sel-nit*ad* Anti-ſo*doin* A-the*dauz* Sel-cal*dſu* Cerau*neel*.
Ant-mag*dee* Sel-ph*aks* An-E*boil* Ant-eup*aſo* Dem-*ſâſe*.
Al-bal*buz* D-nic*afu* Sidet*boz* D-nic*aty* Zeb*bel*.
Gryph*adi* Seleucu*ns* Philip*ne*. ———

TABLE XV.

Jewiſh *HIGH PRIESTS*, &c. *after the Return from the Captivity.*

	Bef. Chriſt.
JESHUA [Jeſhúa*lis*]	536
JOIAKim [Joiak*okt*]	483
ELIASHIB [Elſh*olt*]	453
JOIADah [Joiad*oat*]	413
JOHANAN [Johanán*ipt*]	373
JADUA [Jadu*tob*]	341

ONias

	Bef. Chrift.
ONIAS PRIM. [On-prímida]	321
SIMON the juft [Sim-jig]	300
ELEAZAR [Eleádna]	291
MANASSEH [Manáffeps]	276
ONIAS SEC. [On-fduz]	250
SIMON SEC. [Sim-fecdap]	217
Onias TERTIUS [On-tboul]	195
JASON [Jasboil]	175
MENELAUS [Menelápe]	172
JUDAS MACCHABÆUS [Jumác-chabafs]	166
JONATHAN [Jónabauz]	160
SIMON MACCH. [Si-macbot]	143
HYRCANUS [Hyrcatu]	135
K. ARIFTOBULUS [K-Arbys]	106
Alex. JANNÆUS [Jannazu]	105
ALEXANDRA [Alxándroik]	78
ARISTOBULUS SECUNDUS [Ari-ftób-fecaun]	69
HYRCANUS SECUNDUS [Hyrca-fecunfi]	63
ANTIGONUS [Antigonoz]	40
HEROD [Herodik]	38
ARCHELAUS [Archelt]	3

The Memorial Lines.

Jefhúalis Joiakokt Elfholt Joiadoat Johanánipt
Jadutob On-primida Sim-jig Eleadna Manaffeps
On-fduz Sim-fecdap On-tboul Jasboil Menelape
Ju-macchabafs Jonabauz Si-macbat Hyrcatu K-Arbys.
Jannazu Alxandroik Ariftób-fecaun Hyrca-fecunfi.
Antigonoz Herodík Archelt.

TABLE

TABLE XVI.

Founders, &c. of Antient Monarchies.

	Bef. Chrift.
NINUS Founder of the *Affyrian* Monarchy [Nin*ezlou*]	2059
SEMIRAMIS Wife of *Ninus* [Sem*anaul*]	1965
SARDANapalus in whom ended the *Affyrian* Monarchy [Sardan*pop*]	747
ÆGIALEUS, King of *Sicyon* [Ægial*ezkou*]	2089
INACHUS, firft King of *Argos* [In*akus*]	1856
The OGYGIAN Flood under *Ogyges* King of *Attica* [Ogyg*apaus*]	1766
PROMETHEUS Author of all Arts amongft the *Greeks* [Pr*afkoi*]	1687
CECROPS, firft King of *Athens* [Cec*hlus*]	1556
SISYPHUS firft King of *Corinth* [Sifyph*álzo*]	1504
TEUCER, firft King of *Troy* [Teuc*buzd*]	1502
CADMUS firft King of *Thebes* [Cadm*áfno*]	1494
SATURN expell'd *Crete* by his Son *Jupiter*, fettles in *Italy* [Sat*atty*]	1330
PERSEUS, firft King of *Mycene* [Pérf*atat*]	1313
HERCULES, Son of *Jupiter* by *Alcmena* [Her*bdoif*]	1274
The ARGONAUTICK Expedition [Argo*bdaup*]	1267
OEDIPUS, King of *Thebes* [Oédi*bef*]	1266
THESEUS who flew the *Minotaur* [Thes*baif*]	1134
CODRUS laft King of *Athens*, who gallantly facrificed himfelf for the Good of his Countrey [Codr*ázpa*]	1071
CARANUS, firft King of *Macedon* [Cáran*kaf*]	814
CANDAULES King of *Lydia* [Candau*ptu*]	735
CROESUS King of *Lydia* [Crœf*úfe*]	562
CYRUS, Founder of the *Perfian* Empire [Cyr*uts*]	536
ALEXANDER, Founder of the *Grecian* Empire [Alex*ita*]	331

JULIUS

JULIUS Cæsar, Founder of the *Roman* Empire [Julos]	46

The Memorial Lines.

Nin*ezlou* Sem*anaul* Sardan*pop* Ægial*ezkou*
In*akus* Ogyg*apaus* Pra*skoi* Cec*blus* Sisyph*álzo.*
Teuc*buzd* Cadm*áfno* Sat*átty* Pérs*atat* Her*bdoif.*
Argó*bdaup* Oédi*bess* Thes*baif* Codr*ázpa* Caran*kaf.*
Candau*ptu* Crœs*úse* Cyr*uts* Alex*ita* Jul*os.*

TABLE XVII.

GRECIAN HISTORY.

	Bef. Christ.
BELLUM THEBANUM [Bel-theb*adel*]	1225
First MESSENIAN War [Mess*pot*]	743
Second MESSENIAN War [Mes*sku*]	685
Battle of MARATHON [Marath*óny*]	490
Battle of SALAMIS [Salam*óky*]	480
Battle of EURYMEDON [Eurymed*opz*]	470
The PELOPONNESIAN War [Pelo*sib*]	431
Battle of LEUCTRA [Leuctra*tpi*]	373
Battle of MANTINEA [Mant*isi*]	363
PHOCÆAN or Sacred War [Phoc*ilp*]	357
Battle of the R. GRANICUS [Grani*tif*]	334
Battle of ISSUS [Is*tit*]	333
Battle of ARBELA [Arb*tib*]	331
ALEXANDER the Great succeeds *Philip* [Alex*tis*]	336
Philip ARIDÆUS [Ari*tet*]	323
Alexander ÆGUS [*Ætas*]	316

The Memorial Lines.

Bel-theb*adel* Mess*pot* Mes*sku* Marath*ónz* Salam*óky.*
Eurymed*opz* Pelo*sib* Leuctra*tpi* Mant*isi* Phoc*ilp.*
Grani*tif* Is*tit* Arb*tib* Alex*tis* Ari*tet* *Ætas.*

N. B.

N. B. After the Death of *Alexander* there arose great Confusions among his Followers about the Succession, each seizing what he could for himself, till by leaguing and making War against each other, they were, after some Years, all destroy'd to four. These were *Cassander*, *Lysimachus*, *Ptolemy* and *Seleucus*, and they divided the whole Empire between them.

CASSANDER had MACEDON and GREECE.
LYSIMACHUS had THRACE and those Parts of *Asia* which lay upon the HELLESPONT and the BOSPHORUS.
PTOLEMY had Ægypt, LIBYA, Arabia, PALESTINE, and Cœlesyria.
SELEUCUS all the rest of ASIA, *&c.*

Cáſſ-magre Lyſ-thrachebos Ptol-ælibapalſy Seleuc-as.

TABLE XVIII.

GRECIAN *Lawgivers, Philosophers, and Poets.*

	Bef. Chriſt.
LYCURGUS born [Lyc*nes*]	926
DRACO [Drá*ſdo*]	624
Solon died [So*lun*]	559
PYTHAGORAS died ag. 80. [Pythág*lys*]	506
EUCLID the Geomet. fl. [Eucl*izau*]	306
SOCRATES died [Socr*inn*]	399
XENOPHON died [Xenóph*ilou*]	359
PLATO died [Pla*tok*]	348
DIOGENES died, aged 90. [Dio*tet*]	323
ARISTOTLE died, aged 63. [Arift*éd*]	322
EPICURUS died, aged 72. [Epicu*dpa*]	271
ARCHIMEDES died [Archi*dad*]	212

LINUS

	Bef. Chrift.
LINUS & Orpheus [Lin*adka*]	1281
HOMER died [Hom*nad*]	912
ARCHILOCHUS [Archilochu*ſkau*]	686
SAPPHO [Sapph*ſyd*]	602
ANACreon [Anác*loud*]	592
ÆSCHYLUS born [Æſch*lel*]	525
PINDAR died, aged 80. [Pind*fóz*]	440
SOPHOCLES born [Sophocl*ozoi*]	407
THEOCRITUS fl. [Theócr*eku*]	285
LYCOPHRON fl. [Lycophr*epz*]	270

The Memorial Lines.

Lyc*nes* Drá*ſdo* Sol*un* Pythág*lys* Eucl*izau* Socr*inn.*
Xenoph*ilou* Pla*tok* Dio*tet* Aris*ted* Epicu*dpa.*
Archi*dad* Lin*adka* Hom*nad* & Archilochu*ſkau.*
Sapph*ſyd* & Anác*loud* Æſch*lel* Pind*foz* Sophocl*ozoi.*
Theócr*eku* Lycophr*epz.* ——

TABLE XIX.

ROMAN HISTORY.

The Foundation of ROME was laid in the 3961 Year of the *Julian* period [Romp*inſa*] in *Anno Mundi* 3251 [Romm*idub*] in the Year before *Chriſt* 753, or as ſome 752, [Rom*put*] upon the 22 Day of APRIL [Apri*de*] in the FOURTH Year of the sixth OLYMPIAD [*ſols*]

The REGAL STATE under VII. Kings laſted 245 Years [Stat-reg*dol*]

	Bef. Chrift.
ROMULUS [Rom*put*]	753
NUMA POMPILIUS [Num*paſ*]	714

	Bef. Chrift.
Tullus HOSTILIUS [Hoftil*fpy*]	670
ANCUS Martius [Anc*fip*]	637
Tarquinius PRISCUS [Pris*faf*]	614
SERVIUS Tullius [Serv*ups*]	576
Tarquinius SUPERbus [Super*lid*]	532

The Memorial Lines.

Romp*infa* Romm*idub* Rom*put* *fols* Apri*de*. Num*paf* Hoftil*fpy* Anc*fip* Pris*faf* Serv*ups*que Super*lid*.

TABLE XX.

The CONSULAR STATE from *Brutus* and *Collatinus* the firft Confuls, to *Julius Cæfar*'s being made perpetual Dictator, lafted 464 Years [Stat-confular*ofo*]

	Bef. Chrift.
CONSULS firft made [Confu*lzoi*]	307
Firft DICTATOR.	497
Creation of the TRIBUNES [Trib*foud*]	492
Creation of the DECEMviri [Decemv*oly*]	450
Creation of the MILitary TRIBUNES [Mil-t*foz*]	440
INCENDIUM Urbis, or the Burning of the City by the *Gauls* [Incend*ikk*]	388
War with the SAMNITES [Samn*ife*]	342
War with PYRRHUS King of *Epirus* [Pyr*doin*]	279
Firft PUNICK War [Bel-pun*efi-das-bok*]	263
Second PUNICK War [Bel-pun*efi-das-bok*]	216
Third PUNICK War [Bel-pun*efi-das-bok*]	148
The End of the Sedition of the GRACCHI [Gracch*ade*]	122
The JUGURTHINE War [Jugu*bzou*]	109
War with the CIMBRI [Cim*bat*]	113
The Social or ITALIAN War [Ital*ein*]	89

War

	Bef. Chrift.
War with MITHRIDATES [Mithrid*kau*]	86
DICTATORſHIP of SYLLA [Syl-dic*teiz*]	80
CATALINES Conſpiracy [Catal*aud*]	62
Firſt TRIUMVIRATE [Tr*un*]	59
Battle of PHARSALIA [Phar*ſop*]	47
BATTLE of PHILIPPI [Bat-phil*ob*]	41
Battle of Actium [Ac*ta*]	31

The Memorial Lines.

Conſu*lzoi* Dic*onoi* Trib*ſoud* Decemvo*ly* Mil-t*ſoz.*
Incend*ikk* Samn*îſe* Pyr*doin* Bel-pune*ſs-das-bok.*
Gracch*ade* Jugu*bzou* Cim*bat* Ital*ein* Mithrid*kau.*
Syl-dic*teiz* Catal*aud* Tr*un* Phar*ſop* Bat-phil*ob* Ac*ta.*

TABLE XXI.

The Twelve *CÆSARS.*

		Bef. Chrift.
I.	JULIUS [Juli*os*]	46
II.	AUGUSTUS [Auguſt*el*]	25
		An. Dom.
III.	TIBERIUS [Tiber*bu*]	15
IV.	CALIGULA [Caligul*ik*]	38
V.	CLAUDIUS [Cl*od*]	42
VI.	NERO [Ner*ul*]	55
VII.	GALBA } [Galb-otho*ſou*]	69
VIII.	OTHO }	
IX.	VITELLIUS } Vit-veſp*oiz*]	70
X.	VESPAſIAN }	
XI.	TITUS [Tit*pou*]	79
XII.	DOMITIAN [Domit*ka*]	81

The Memorial Lines.

Juli*os* Auguſt*el* ✠ Tiber*bu* Caligul*ik* Cl*od.*
Ner*ul* Galb-otho*ſou* Vit-veſp*oiz* Tit*pou* Domit*ka.*

N. B. The Reign of *Julius Cæsar* is here supposed to commence from the Death of *Pompey*, which made way for his absolute Power soon after: The Reign of *Augustus*, from the full Establishment of his Authority by the Senate and People. Some make it commence from the Death of *Anthony*; and others, yet sooner, from the Death of *Julius Cæsar*.

TABLE XXII.

The ROMAN Emperors from NERVA *to* CONSTANTINE.

			An. Dom.
XIII.	NERVA [Nerv*ous*]		96
XIV.	TRAjan [Tra*nk*]		98
XV.	ADRian [Adr*aap*]		117
XVI.	ANTOninus Pius [Ant*bip*]		137
XVII.	ANTOninus PHIlosophus [Ant-phi*bsa*]		161
XVIII.	COMMODUS [Commód*beiz*]		180
XIX.	PERTinax	[Pert-	193
XX.	Didius JULIan	juli-	
XXI.	Septimius severus	*sant*]	
XXII.	CARAcalla & Geta [Cara*dab*]		211
XXIII.	MACrinus & Diadumen	[Mac-	217
XXIV.	HEliogabalus	he- *dap-k*]	218
XXV.	ALexander severus [Al-*sedd*]		222
XXVI.	Maximinus & MAXIMUS [Mm*etu*]		235
XXVII.	PUpienus & BALBINUS [Pu-b*dik*]		238
XXVIII.	GORDian [Gor*din*]		239
XXIX.	PHILIP [Ph*eff*]		244
XXX.	DECIUS [Deci*don*]		249

XXXI. *GALLUS

		An. Dom.
XXXI.	*Gallus & Volusian [Gad-vódla]	251
XXXII.	Valerian [Valéreli]	253
XXXIII.	Gallienus [Galndauz]	260
XXXIV.	† Flavius Claudius [Cleſk]	268
XXXV.	Aurelian [Aurepz]	270
XXXVI.	Tacitus [Tacidoil]	275
XXXVII.	Probus [Probdois]	276
XXXVIII.	Carus and his Sons Carinus and Numerian [Carr-nudke]	282
XXXIX.	Dioclesian & Maximian [Di-maxdeif]	284
XL.	Constantius Chlorus and Galerius [Chlo-galtyt]	303
XLI.	‖ Constantine [Conſtys]	306
XLII.	Filii Constantini, the three Sons of *Constantine*, *Constantins* and *Constans* [Fil-conſtip]	337
XLIII.	Julian, Nephew to *Constantine* the *Great* [Juliſa]	361
XLIV.	Jovian [Jovtauf]	364

The Memorial Lines.

Nervous Trank Adraap Antbip Ant-phibſa Commódbeiz.
Pert-juli-ſant Caradab Mac-hedap-k Al-ſédd Mmetu Pu-bdik.
Gordin Pheff Decidon Gal-vodla Valéreli Galndauz.
Cleſk Aurepz Tacidoil Probdois Carr-nudke Di-maxdeif.
Chlo-galtyt Conſtys Fil-conſtip Juliſa Jovtauf.

NOTES.

* Gallus. Between *Gallus* and *Valerian*, ſome Writers rank *Æmilian* among the Number of Emperors, but becauſe he was never eſtabliſhed in the Empire,

Empire, nor his Title generally acknowledged, others more juſtly place him only among the Uſurpers.

† FLAVIUS CLAUDIUS. Upon the Death of *Claudius*, *Aurelian* was unanimouſly choſen by the Army; and at the ſame Time *Quintillus*, Brother to *Claudius*, was proclaimed Emperor in *Italy*, and his Election allow'd by the Senate; but finding himſelf unable to ſupport his Cauſe againſt *Aurelian*, he diſpatch'd himſelf, by cauſing his Veins to be opened, after a ſhort Reign of only 17 Days before he was rightly ſettled in his Empire; for which Reaſon he is here omitted.

‖ CONSTANTINE was ſaluted Emperor of the *Weſt* upon the Death of his Father *Conſtantius Chlorus*, but was not *ſole Monarch* till the Defeat and Death of *Licinius*. *An. Dom.* 323. He remov'd the Imperial Seat to *Byzantium* in the Year 330.

TABLE XXIII.

The Diviſion of the EMPIRE.

EASTERN.	A. D.	WESTERN.	A. D.
VALENS [Val*iſo*]	364	VALENTINIAN [Valtini*tauf*]	364
THEODOSIUS MAGNUS [Theo-mag*toin*]	379	GRATIAN [Gra*toil*]	375
ARCADIUS [Arc*toul*]	395	VALENTINIAN sec. [Val-*sikt*]	383
THEODOS. JUNIOR [Theo-júno*zei*]	408	HONORIUS [Hono*tni*]	393
MARCION [Marc*olz*]	450	VALENTINIAN TERT. [Va-*tódo*]	424
LEO [Le*oloi*]	457	MAXIMUS AVITUS [Max-avi*ful*]	455
ZENO [Zeno*fpo*]	474		
ANASTASIUS [Anaſta*fna*]	491		
JUSTIN		MAJO-	

EASTERN.	A. D.	WESTERN.	A. D.
JUSTIN [Just*lak*]	518	MAJORIAN [Maj*olp*]	457
JUSTINIAN [Justi-nil*ep*]	527	* * * * * *	
* * * * *		AUGUSTULUS, in whom ended the *Western* Empire [August*foil*]	475
PHOCAS [Phoc*auze*]	602	The Restoration of the *Western* Empire by CHARLEMAGNE [Charlm*eig*]	800
* * * * *		* * * * *	
LEO Isauricus [Le-is*pap*]	717	OTHO MAGNUS [Oth-mag*nis*]	936
* * * * *		* * * * *	
IRENE [Iren*poup*]	797	HENRIC. QUARTUS [Hen-quar*bzup*]	1057
BASILIUS MACEDO [Bas-mace*kaup*]	867	* * * * *	
* * * * *		Frederick ÆNOBARBUS [Æn*bale*]	1152
LEO PHILOSOPHUS [Leo-ph*eiks*]	886	* * * * *	
* * * * *		FREDERICUS sec. [Fre*bdap*]	1217
ALEXIUS commenus [Al-c*azka*]	1081	* * * * *	
* * * *			
MICHAEL PALÆOLOGUS [Micha-pal*adsa*]	1261		
* * * * *			

CONSTANTINOPLE taken in the Reign of *Constantine Palæologus* the last Emperor of the *East* [Constantino*boli*] vid. pag. 13. 1453

The Memorial Lines.

EASTERN *Emperors.*

Val*iso* Theo-mag*toin* Arc*toul* Theo-jún*ozei* Marc*olz*.
Lé*oloi* Zeno*spo* Anasta*sna* ———
Just*lak* Justini*lep* Phoc*auze* Le-is*pap* Iren*poup*.
Bas-mace*kaup* Leo-ph*eiks* Al-c*azka* Micha-pal*adsa*.

WESTERN

WESTERN *Emperors.*

Valtini*tauf* Gra*toil* Val-*sikt* Hono*tni* Va-*todo.*
Max-avi*ful* Maj*olp* —— Augu*ſtfoil.*
Charlm*eig* Oth-mag*nis* Hen-quar*bzup* Æn*bale* Fre*bdap.*

N. B. It was not agreeable with the Author's Deſign to give a *compleat* Table of *all* the *Eaſtern* and *Weſtern* Emperors. The Succeſſion is carried down to the Sixth Century; and after that, only a few are added of ſuch as were moſt remarkable: To which it may not be improper to ſubjoyn thoſe Perſons who were famous for waſting and ravaging the *Roman* Empire.

	An. Dom.
ALARIC, King of the *Goths*, beſieges, takes and plunders *Rome* [Alr*obz*]	410
ATTILA, King of the *Huns*, call'd the Scourge of God, ravages *Italy* [Atti*fla*]	451
GENSERIC the *Vandal* ſacks *Rome* [Gens*ful*]	455
ODOACER, King of the *Heruli*, makes himſelf Maſter of *Italy*, and aſſumes the Name of King [Od*ops*]	476
THEODORICK, King of the *Oſtrogoths*, drives *Odoacer* from *Rome*, and kills him with his own Sword [Theód*oni*]	493
TOTILAS the *Oſtrogoth* takes *Rome* [Tot*lop*]	547

Alr*obz* Atti*fla* Gens*ful* Od*ops* Theód*oni* Tot*lop.*

TABLE

TABLE XXIV.

EASTERN *General Councils.* vid. *pag* 6.

Place.	*Pope.*	*Emperor.*	*Heretick.*	*Year*
I. Nice	Silvester	Constantine	Arius	325
II. Constantinople	Damasus	Theodosius Magnus	Macedonians.	381
III. Ephesus	Celestine	Theod.jun.	Nestorians	431
IV. Chalcedon	Leo	Marcion	Eutyches & Diosc.	451
V. Constantinople	Vigilius	Justinian	Origenists	553
VI. Constantinople	Agatho	Constantine pogonatus	Monothelites.	680

The Memorial Lines.

Nicsilcon-ári*tel* Codathé-ma*teib* Ephcethe-nes*fib.*
Challemar-eudi*ola* Covijust-O*lut* Cagcopo-mon*seiz.*

WESTERN *General Councils.*

I. Lateran	1122	I. Lyons	1255
II. Lateran	1139	II. Lyons [Lyo*dúl-doif*]	1274
III. Lateran	1175	Vienna [Ví*taa*]	1311
IV. Lateran	1215	Constance Const*faf*	1414
V. Lateran [Lat*béd-in-oil-dal-lap*]	1517	Basil [Bas*fia*]	1431
		Florence Floren*fin*	1439
		Trent [Tren*alol*]	1545

The Memorial Lines.

Lat*bed-in-oil-dal-lap* Lyo*dul-doif* Vi*taa* Const*faf.*
Bas*fia* Floren*fin* Tren*alol* ——

N. B. A Thouſand is to be added. Note alſo, that the Second and Third *Lateran*, being in the ſame Century with the firſt, *b* is left out; as *bed-in-oil*, inſtead of *bed-bin-boil*; the Syllables in Order anſwering to the Order of the Councils.

Councils not Oecumenical.

ANCYRA	[Anc-neo*tal*]	325	ANTIOCH	[An*tob*]	341
NEOCÆSAREA			SARDICA	[Sard*ifp*]	347
GANGRA	[Gang*toz*]	340	LAODICEA	[Laód*ifa*]	361

Anc-neo*tal* Gang*toz* An*tob* Laod*ifa* Sard*ifp*.

TABLE XXV.

FATHERS, HERETICKS, &c.

	Fl. *An. Dom.*
HERMAS PASTOR [Hermpaſt*aul*]	65
CLEMENS ROMANUS [Clé-rom*aul*]	65
IGNATIUS [Igna*bza*]	101
POLYCARP [Polycar*ázei*]	108
JUSTIN MARTYR [Jus-mar*boz*]	140
IRENÆUS [Ir*aſp*]	167
THEOPHILUS ANTIOCHENUS [Th*aſk*]	168
ATHENAGORAS [Athn*app*]	177
CLEMENS ALEXANDRINUS [Cléx*ane*]	192
TERTULLIAN [Tert*and*]	192
MINUTIUS FELIX [Mi-f*dez*]	220
ORIGEN [Or*etz*]	230
Gregory THAUMATURGUS [Thaum*elf*]	254
CYPRIAN martyred [Cypr*elk*]	258
LACTANTIUS [Lactan*tyt*]	303
ARNOBIUS [Arn*tyt*]	303
EUſEBIUS PAMPHILI [Eu-pam*tal*]	315
ATHANAſIUS [Atha*tes*]	326
CYRIL of JERUſALEM [Cyr-j*ilz*]	350

HILAR.

	An. Dom.
HILARY [Hilar*ilf*]	354
EPIPHANIUS [Epiphán*iſk*]	368
EPHraim SYRUS [Eph-ſyr*toiz*]	370
BASIL MAGNUS [Baſ-mag*toiz*]	370
GREGORY NAZianzen [Greg-naz*toiz*]	370
MACARIUS [Macar*ipt*]	373
AMBROſe [Ambro*tpo*]	374
JEROM [Jerom*toik*]	378
EVAGRIUS [Evag*teiz*]	380
RUFIN [Ruf*inz*]	390
AUSTIN [Auſt*ins*]	396
CHRYSOſTOM [Chryſo*touk*]	398
CYRIL of ALEXandria [Cyr-alex*ôbe*]	412
PHILO Judæus [Phil-j*ufy*]	40
JOSEPHUS [Joſéph*aup*]	67
AQUILA [Aqui*bek*]	128
THEODOTION [Theodót*apu*]	175
SYMMACHUS [Symché*zb*]	201

HERETICKS.

CERINTHUS [Cerinth*eiz*]	80
PAPIAS [Pap*aaz*]	110
BASILIDES [Bafili*bbe*]	112
VALENTINIAN [Valént*ady*]	120
MARCION [Marc*boz*]	140
HERMOGENES [Hermog*apy*]	170
MONTANUS [Mont*âpe*]	172
NOVATIAN [Nov*dua*]	251
PAULUS SAMOſATANUS [Pau-ſam*dauz*]	260
MANES [Man*epp*]	277
ARIUS [Ari*tel*] *pag.* 6.	325
DONAT*us* [Dóna*ten*]	329
EUNOMIUS [Eunomi*tauz*]	360
PRISCILLAN [Priſci*tpa*]	371
PELAGI*us* [Pelagió*zu*]	405

WRITERS against Christianity.

	An. Dom.
CELSUS [Cels*buz*]	150
HIEROCLES [Hierocl*éze*]	202
PORPHYRY [Porph*epy*]	270
Zosimus [Zos*fel*]	425

The Memorial Lines.

Herm-pas*taul* Cle-rom*aul* Igna*bza* Polycar*azei*.
Jus-mar*boz* Ir*asp* Th*ask* Athn*app* Cl-ex*ane* Tert*and*.
Mi-f*dez* Or*etz* Thaum*elf* Cypr*elk* Lactan*tyt* & Arn*tyt*.
Eu-pam*tal* Atha*tes* Cyr-j*ilz* Hilar*ilf* Epiphan*isk*.
Eph-syr-Bas-Grego*toiz* Macar*ipt* Ambro*tpo* Jerom*toik*.
Evag*teiz* Ruf*inz* Aust*ins* Chryso*touk* Cyr-alex*ôbe*.

Phil-ju*sy* Joseph*aup* Aqui*bek* Theodó*tapu* Symch*ezb*.

Cerinth*eiz* Pap*aaz* Basili*bbe* Valent*ady* Marc*boz*.
Hermog*apy* Mont*âpe* Pau-sam*tauz* Nov*dua* Man*epp*.
Dona*ten* Eunomi*tauz* Prisci*tpa* Pelagio*zu*.

Cels*buz* Hierocl*éze* —— Porph*epy* Zos*fel*.

TABLE XXVI.

Popes, Authors, Famous Men, &c.

	A. D.		*A. D.*
LIBERIUS [Liber*tle*]	352	Leo X. [L*az-blat*]	1513
Zosimus [Zo*soap*]	417	GREGORY XIII. [Grego*bi-bupe*]	1572
LEO MAG. [Leo-m*off*]	444	Sixtus QUINTUS [Squin-*aleil*]	1585
GELASIUS [Gelas*one*]	492	CLEMENT VIII. [Cle-*k-aloud*]	1592
JOAN [Joan*kof*]	844		
URBIN VI. } Anti- CLEMENT VII. } Popes. [Urb-*s*-Cle-*p-atoip*]	1377		

SAN-

	Bef. Chr.
SANCHONIATHON [Sanch*about*]	1193
HERODOTUS [Herodo*fus*]	456
MANETHO [Manethe*ky*]	280
BEROSUS [Bero*dsou*]	269
HIPPARCHUS [Hippar*bse*]	162
	A. D.
Onkel*os* [Onkel*koi*]	87
TACITUS [Tacit*azei*]	108
Aul. GELLIUS [Gel*aad*]	112
PAUSANIAS [Pau*sato*]	134
GALEN [Gal*bot*]	143
Diogenes LAERTIUS [Laert*bop*]	147
PRUDENTIUS [Prud*inp*]	397
EUTROPIUS [Eutrop*fek*]	428
MERLIN [Merl*opoi*]	477
HESYCHIUS [Hesch*foun*]	499
PROCOPIUS [Proco*lip*]	537
AGATHIAS [Agath*laup*]	567
GILDAS [Gild*usp*]	567
BEDE [Bed*saus*]	666

	A. D.
ZONARAS [Zonar*abbak*]	1118
GRATIAN [Grat*abla*]	1151
BALSAMON [Bal*aboub*]	1191
Pet. LOMBARD [Lom*balk*]	1158
THOM. AQUINAS [Thom-aqu*adsi*]	1263
PETRARCH [Petr*attu*]	1335
PTOL. GEOGRAPH [Ptol-gëogr*afz*]	140
COPERNICUS [Copérnic*afoit*]	1473
TYCHO Brahe [Tych*blos*]	1546
GALILÆO [Gali*lasfe*]	1642
ERASMUS ob. [Erasm*uts*]	1536
Rob. STEPHENS ob. [Ro-st*lun*]	1559
TURNEBUS [Turn*laul*]	1565
HEN. STEPHENS ob. [Hen-ste*lsi*]	1563
THUANUS Historicus [Thuan*sap*]	1617

The Memorial Lines.

Liber*tle* Zo*soap* Leo-m*off* Gelá*sone* Joan*kof.*
Urb-*s*-Cle-*p*-*atoip* L-*az*-*blat* Squin-*aloil* Cle-*k*-*aloud* Grego*bi*-*bupe.*

Sanch*about*

Sanch*about* Herodo*fus* Manethe*ky* Hippar*bse* Bero*dsou*.

Onkel*koi* Gel*aad* Tacit*azei* Pau*sato* Gal*bot*.
Laert*bop* Prud*inp* Eutrop*fek* Merl*opoi* Hesch*foun*.
Proco*lip* Agath*laup* Gild*usp* Bed*saus* Zonora*bbak*.
Grat*abla* Bal*aboub* Lom*balk* Thom-aqu*adsi* Petr*attu*.
Ptol-gëogr*afz* Tych*blos* Copérnic*afoit* Galil*asfe*.
Era*smuts* Ro-st*lun* Turn*laul* Hen-st*elsi* Thuan*sap*.

TABLE XXVII.

The Founders of the Kingdoms of EUROPE.

			An. Dom.
The First	Bishop of *Rome*	St. PETER [Pe*ft*]	43
	Pope	HYGINUS [Hyg*alo*]	154
	Imp. ORIENTIS	GALERIUS [Ori-gal*tyt*]	303
	Emp. of CONSTANTINOPLE	ARCADIUS [Const-arc*toul*]	395
	TURKISH Emperor	OTTOMAN [Turk-ottom*adnoi*]	1297
	Emperor of the ROMANS	Julius Cæs. bef. Ch. [Rom-ju*fs*]	46
	King of ITALY in the Empire	ODOACER [Ital-ód*ops*]	476
	Emp. of GERMANY	CHARLEMAGNE [Ger-charlm*eig*]	800
	King of FRANCE	PHARAMOND [Fran-pharam*ody*]	420
	King of SPAIN	ATHAULPHUS [Sp-ath*faz*]	410
	King of PORTUGAL	ALPHONSUS [Port-al*abin*]	1139
	King of SCOTLAND	FERGUSIUS bef. Chr. [Scot-ferg*tid*]	332
	King of ENGLAND	Egbert [Eng*kek*]	828

King

			An. Dom.
The First	King of Poland	Boleslaus [Pol-bol*ath*]	1000
	King of Denmark	Olaus [Den-ola*k*-*zou*]	809
	King of Sweden	Fro [Swe-F*kas*]	816

The Memorial Lines.

Pe*st* Hyg*alo* Ori-gal*tyt* Const-arc*toul* Turk-otto-m*adnoi*.
Rom-ju*fs* Ital-ód*ops* Ger-charlm*eig* Fran-pharam*ódy*.
Sp-ath*faz* Port-al*abin* Scot-ferg*tid* Pol-bol*ath* Eng*kek*.
Den-ola*kzou* Swe*Fkas*.

Table XXVIII.

The Times of the Writing of the Canonical Books of the New Testament.

	A. D.		*A. D.*
1 Thessal. [Thes-*le*-t]	52	Titus & 1 Timothy [Ti-tim*su*]	65
2 Thessal. [Thes-*le*-t]	53	2 Peter, 2 Timothy [Sec-pe-tim*aup*]	71
1 Peter Pe*lf*]	54	Jude [Jud*pa*]	71
Galatians, 1 & 2 Corinthians, Romans [Gá-co-R*up*]	57	Revelations [Rev*nau*]	96
Philippians, Colossians, Ephesians, Philemon [Phi-col-éph-phi*se*]	62	John Gosp. & Ep. [Jo*np*]	97
Hebrews [Heb*si*]	63	Matthew [Mo*b* or Mat*sa*]	41
		Mark [Mar*ot*]	43
		Luke [La*ub*]	61
		Acts [Ac*st*]	63

The

The Memorial Lines.

Thefs-*le-t* Pe*lf* Gáco-R*up* Phi-col-éph-phi*fe* Heb*ft* Ti-tim*fu*.

Sec-pe-tim*aup* Jud*pa* Rev*nau* Jo*np* M*ób* Mar*ot* Ac*ft* L*aub*.

TABLE XXIX.

The Provincial and Legatin Conſtitutions, according to the Order in which they were made.

Conſtitutiones.	*Edit.* A.D.	*Editæ* A.D.
STEPHANI [Steph*ede*]	1222	
RICARDI [Ricar*diz*]	1230	
EDMUNDI [Edmun*dis*]	1236	
OTHONIS Card. Legati [Oth*dip*]	1237	
BONIFACII [Bone*ſa*]	1261	
OTHOBONI Card. Leg. [Othob*dauk*]	1268	
J. PECCHAM apud READING [Pec-read*doin*]	1279	
Ejuſdem apud LAMBETH [Pec-lamb*eka*]	1281	
R. WINCHELſEY [Winch*tyl*]		1305
WALTER [Wal*ted*]		1322
Si. MEPHAM [Meph*tek*]		1328
J. STRATFORD [Stratfo*tod*]		1342
S. ISLEPE [Iſlep*taud*]		1362
S. LANGHAM [Langhi*ſp*]		1367
S. SUDBURY [Sud-bu*toik*]		1378
T. ARUNDEL [A-run*fyk*]		1408
H. CHICHLEY [Chich*fal*]		141[illegible]

The Memorial Lines.

Steph*ede* Ricar*diz* Edmun*dis* Oth*dip* Othob*dauk*.
Bone*ſa* Pec-read*doin* Winch*tyl* Pec-lamb*eka* Wal*ted*.
Stratfo*tod* Iſlep*taud* Si-meph*tek* Chich*fal* Arun*fyk*
Sudbu*toik* & Langhi*ſp*. ——

GEOGRAPHICA.

SECT. II.

The Application of this Art to Geography.

IN the first Place are laid down the general Divisions of *Europe*, *Asia*, *Africa* and *America*; then the particular Divisions of the several Kingdoms of *Europe*, into their respective Governments of Provinces. For every Division there is one *Technical* Line, composed of the first Syllables (or some times only of the first Letters) of the Parts or Places into which it is subdivided; which Syllables or Letters are distinguished from the rest, in the Tables, by Small Capitals: And where *One* Letter stands for a whole Word, 'tis a Small Capital in the *Memorial* Lines.

'Tis further to be obſerv'd, that the Beginning, Middle, and Ending of the Line anſwer, in order, to the *Northern*, *Middle* and *Southern* Diviſions of the Kingdoms or Countries; ſo that not only the Places themſelves, but in ſome Meaſure their Situation with Reſpect to each other may be remember'd at the ſame. Thus in the *Memorial Line* for *France*,

Pic-nor-I-cham; Bret-O-bu-L; Guí-la-da-P ——

Pic-nor-I-cham denotes the four *Northern* Governments, *viz.* PICARDY, NORMANDY, ISLE of *France* and CHAMPAGNE.

Bret-O-bu-L denotes the four *Middle* Governments, *viz.* BRETAGNE, Orleanois, BURGOGNE and LIONNOIS.

Guí-la-da-P denotes the four *Southern* Governments, *viz.* GUIENNE with Gaſcony, LANGUEDOCK, DAUPHINY and PROVENCE.

It will be yet ſome further Help to remember the Situation of Places, to obſerve, that in the ſeveral Diviſions, I begin generally at the *Weſt*, and go on *Eaſtward*, as far as the Limits of the Countrey will allow, in a ſtrait Line, unleſs where the Irregularity of the Poſition makes this Method inconvenient or impracticable: Where that is the Caſe, the Reader will ſupply the Defect by his own Obſervation, and by comparing with proper Maps.

When he is become well acquainted with the *General Diviſions*, he may then go on to charge his Memory with the chief Cities, and moſt remarkable Places of every Countrey; their Longitude and Latitude; the Correſpondence of antient and preſent Geography; the Geography of the Old and New Teſtament; the Proportions of the Kingdoms of *Europe* to *Great Britain*; the Situation of the moſt noted Iſlands; with other inſtructive and entertaiinng Particulars in Geographv: All which he

 will

will find himſelf able to remember with greater Eaſe than he can poſſibly imagine, till he is acquainted with the *Memorial Lines*, contriv'd for that Purpoſe.

TABLE I.

The General Diviſions of EUROPE, ASIA, AFRICA *and* AMERICA.

I. EUROPE is divided into,

1. *Northern*; Containing Norway, Sweden, Moſcovy, Denmark:
2. *Middle*, Containing Netherlands, Germany, Poland, little Tartary; France, Switzerland, Hungary, Tranſilvania, Valachia, Moldavia:
3. *Southern*; Containing Spain with *Portugal*, Italy, Turky.

No-S-mo-d; Neth-gé-po-tar Fran-ſwítz-hun trán-va-mo Sp-it-turk.

II. ASIA is divided into,

1. *Northern*; Containing Georgia, great Tartary.
2. *Middle*; Containing Turky in *Aſia*, Perſia, Empire of the Mogul, China.
3. *Southern*; Containing Arabia, Eaſt Indies.

Geor-tart; Tur-pé-mo-chin; Arab-ind.

III. AFRICA is divided into,

1. *Northern*; Containing Barbary, Egypt, Bildulgerid.

2. *Middle*; Containing ZAara, NEgroland, NUbia, GUinea.

3. *Southern*; Containing CONgo, ABISSina, Coaſt of ABEX, ZANGUebar, Coaſt of AJAN, MONOMOtopa, Coaſt of CAFfreria.

Barb-egy-bil; Zá-ne-nu-G; Con-abíſſ-abe zángu-aja mon-caf.

IV. AMERICA is divided into,

1. *Northern*; Containing New BRITain, CANADA or New France, New ENGland; FLorida, GRanada, MEXICO.

2. *Southern*; Containing TERRA FIRMA, PERU; Countrey of the AMazons, BRAſil, CHILI; PARAguay, MAGellanica.

Brit-canad-eng Flo-G-mex; Ter-firma-per Am-brachi par-mag.

TABLE II.

The particular Diviſions of Northern EUROPE.

I. *SWEDEN* contains,

SCANia, Gothland, SWEden proper, LAPland, FInland, INGria, LIVonia.

II. NORWAY contains,

AGgerus, BAhus, BERgen, DRONtheim, WARdus.

III. DENMARK contains,

The Peninſula of JUTland, ZEEland, and the leſſer Iſles.

IV. *MOS-*

IV. *MOSCOVY* contains many Provinces; the moſt conſiderable of which are,

Northern; TRINES, KARGAPOLIA, DWINA, CONDORA, SIBERIA, OBDORA, VOLOGDA.

Southern; CASAN, MORDOVITZ, KISINOVOGROD, VOLODIMIR, MOSCOW, ASTRACAN, WELIKI, PLESKOW, SEVERIA.

The Memorial Lines.

Scán-go-ſwe-lap-F-ing liv: *Norwág*-ba-be dron-wa: *De*-jut-zee.

Tri-K-dwin Con-síb-O-vol; Caſ-mór-ki-vo-M-áſt-weli pleſk-ſev.

TABLE III.

The Particular Diviſions of Middle EUROPE.

I. The *NETHERLANDS*, or *Low-Countries*, are generally diſtinguiſhed into the *United* or *Dutch Netherlands* lying to the *North*, frequently call'd *Holland*, and the *Spaniſh Netherlands* to the *South*, frequently call'd *Flanders*, from the moſt remarkable Province in each.

The *United Netherlands* are uſually divided into theſe Seven Provinces, *viz.* FRISELAND, GRONINGEN, OVERYſſEL, HOLLAND, UTRECHT, GELDERLAND with ZUTPHEN ZEELAND.

The *Spaniſh Netherlands* are uſually divided into theſe Ten Provinces, *viz.* FLANDERS, BRABANT, MARQUIſATE of the Empire within *Brabant*, Seignory of MALINES within *Brabant*, Part of GELDERLAND, LIMBURG, ARTOIS, HANAULT, NAMUR, LUXEMBURG.

Friſ-gr-ov Holl-U-ge zu-Z: Fla-B márma G-lim Art-ha-na Luxem.

II. *GERMANY*

II. *GERMANY* is divided into Nine Circles,

Three *Northern*; Circle of WESTphalia, Circle of *lower* SAXony, Circle of *upper* Saxony.

Three *Middle*; Circle of *lower* RHINe, Circle of *upper* Rhine, Circle of FRANconia.

Three *Southern*; Circle of SUAbia, Circle of BAVaria, Circle of AUstria.

To which may be added, the Kingdom of *BOHEMIA*, diſtinguiſhed into four general Parts, *viz.* BOHEmia proper, LUSAtia, SILEsia, MORAvia.

Weſt-ſax*l-up*; Rhí*l-u*-fran; Sua-bav-aús: Bohe-lúſa Siléſ-mor.

III. *POLAND* is diſtinguiſhed into two general Parts; the Duchy of *Lithuania*, and the Kingdom of *Poland* properly ſo call'd.

The Duchy of *Lithuania* contains the Duchy of CURland, SAMogitia, LITHuania proper.

The Kingdom of *Poland* contains PRUsſia, POLACHia, MAZOvia, POLand *magna*, Poland *parva*, little RUsſia, VOLHInia, PODOLia.

Cur-ſámo-lith Prú-polach Maz-pol*ma-pa* Rúſ-volhi Podol.

IV. *FRANCE* is divided into Twelve Governments.

Four *Northern*; PICardy, NORmandy, iſle of *France*, CHAMpagne.

Four *Middle*; BRETagne, Orleanois, BURGOgne, LIONnois.

Four *Southern*; GUIenne with GaſCony, LANguedock, DAUphiny, PROvence.

To which may be added the other Countries comprehended within the Compaſs of *Old Gaul*, viz. LORrain, Eaſt of CHAMpagne.

SAVOY

SAVOY, East of Burgundy and DAUPHINY.
SWITZERLAND, East of Franche Comte.
Franche Comte, East of BURGUNDY.

Pic-nor-I-cham; Brét-O-bu-L; Gui-la-da-P: Lorch Sav*bu-da* SwiC CoB.

TABLE IV.

The particular Divisions of Southern EUROPE.

I. *SPAIN* may be divided into two general Parts.

Northern; containing eight Provinces, *viz.* GALLICIA, ASTURIA, BISCAY, NAVARRE, ARRAGON, CATALONIA, LEON, CASTILE *vetus.*

Southern; Containing five Provinces, *viz.* CASTILE *nova*, VALENCIA, MURCIA, GRANADA, ANDALUSIA.

Gal-ast-bis N-árra-cat Le-cás*vet*: Cas*no* Va-múr-gr-and.

II. *ITALY* may be distinguished into

Northern, or *Lombardy*; Containing PIEDMONT, MONTferrat, MILAN, Republick of GENOA, PARMA, MODENA, MIRANDULA, MANTUA, Repub. of VENICE.

Southern; The PAPACY, or States of the Church, Dutchy of TUSCANY, Rep. of LUCCA, K. of NAPLES.

Lómba-pi mont-míl-gen Par-mód-mira Man-ve: Patús-lu-N.

III. *TURKY* in EUROPE may be distinguish'd into,

Northern; Containing BESSARABIA, CROATIA, DALMATIA, BOSNIA, SERVIA, BULGARIA.

Southern; Containing ALBANIA, MACEDONIA, ROMANIA, CANINA, JANNA, LIVADIA, MOREA.

Bess-croa-dal Bo-se-bul: Alb-mac-rom Cán-ja-li more.

The

The Memorial Lines for all EUROPE.

Scán-go-ſwe Lap-F-ing-liv: *Norw*-ag-ba-be dron-wa: *De*-jut-zee.

Tri-K-dwin Con-síb-O-vol; Caſ-mór-ki-vo M-aſt-weli Pleſk-ſev.

Friſ-gr-ov Holl-U-ge-zu-Z: Fla-B (mar-ma) G-lind Art-ha-na Luxem.

Weſt-ſax*l-up*; Rhi*l-u*-fran; Sua-bav-aus: Bohe-luſa filéſ-mor.

Cur-ſamo-lith Pru-polach Maz-pol*ma-pa* Ruſ-volhi-podol.

Pic-nor-I-cham; Bret-O-bu-L; Guí-la-da-P: Lor*ch* Sáv*bu-da* SwiC CoB.

Gal-aſt-bis N-arra-cat Le-cáſ*vet*: Caſ*no* Va-mur-gr-and.

Lomba pi-mont-míl-gen Par-mód-mira Man-ve: Pa-tús-lu-N.

Beſſ-croa-dal Bo-ſe-bul: Alb-mac-rom Can-ja-li-more.

TABLE V,

ENGLAND, WALES, IRELAND, SCOTLAND.

I. *ENGLAND* may be divided into three general Part, *Northern*, *Middle* and *Southern*; which all together contain 40 Counties or Shires.

The *Northern* Part of *ENGLAND* contains ſix Counties or Shires.

On the *Weſt* Coaſt from *North* to *South*.	On the *Eaſt* Coaſt from *North* to *South*.
CUMberland	NORthumberland
Weſtmorland	DURham
LAncaſhire	YORKſhire
[Cum-we-la]	[Nor-dur-yor]

The

The *Middle* Part of *ENGLAND* contains 24 Counties or Shires.

On the *West*, joyning to *Wales* from N. to S.	On the *East* Coast from *North* to *South*.
CHEſhire, SHROPſhire	LINCOLNſhire
HEREFORDſhire	Norfolk, Suffolk
MONMOUTHſhire [Che-ſh-he-mon]	Essex [Li-N-s-eſs]

Between *Lincolnſhire* E. and *Cheſh.* and *Shropſh.* W.	Between *Norfolk* and *Suffolk* E. and *Herefordſhire* W.	Between *Eſſex* E. and *Monmouthſhire* W.
Notting-hamſhire, DERBYſhire *N.*	CAMBRIDGEſhire	HARTFORDſhire
STAFFORDſhire	HUNTINGDONſhire	Middleſex
LEICESTERſhire	BEDFORDſhire	Buckinghamſh.
Rutlandſhire	Northamptonſh.	Oxfordſhire
[No-de-ſtáf-le-R]	Warwickſhire	Gloceſterſhire
	Worceſterſhire	
	[Cam-hú-be-no-W-W]	[Har-M-B-O-G]

The *Southern* Part of *ENGLAND* contains 10 Counties or Shires.

Between the *Channel* and the *Severn* Sea.	Between the *Channel* and the *Thames*.
Somerſetſhire	KENT
Dorſetſhire	Surrey
DEVONſhire	Suſſex
CORNWALL	BERKſhire
	HAMPſhire
	WILTſhire
[So-do-dév-cor]	[Ke-ſu-ſúſ Ber-ha-wilt]

The Memorial Lines.

Cumwela-norduryor; Cheſhhemon-LINSEſs; node-ſtaffler.

Camhubenoww-harmbog; Keſuſús-berhawílt-ſodo-devoir.

The Diviſion of ENGLAND *according to the* Circuits.

Weſtern.
Cor-dé-dor-ham Som-wilt:

Home.
Hart-éſſ-ken-ſur-ſus

Norfolk.
Nórf-ſu-cam Hun-béd-buck

Oxford.
Bar-O-gloúce-mon wórceſt-here-ſhrop-ſtaff.

Midland.
North-rut-linc Darby-no-leice-war.

Northern.
Yor-dur-nor lánca-we-cumber.

II. *WALES* is divided into two general Parts:

North Wales; Containing ANGLeſey, DENBIGH-ſhire, FLINTſhire, CAERNarvonſhire, MERIONETH-ſhire, MONTgomeryſhire.

South Wales; Containing CARDiganſhire, RAD-norſhire, PEMBROKeſhire, CARMarthenſhire, BRECK-nockſhire, GLAMorganſhire.

Ang-de-fli-*ch*, Carn-meri-mont-*ſh*, Card-radn-*here*, Pem-ca-bre, Glam-*mon*.

N. B. The Counties begin from *North* to *South*, and go *Eaſtward*. The *Italick* Letters denote the adjoining Counties of *England*; as *ch. Cheſhire*, adjoining to *Flintſhire*; mont-*ſh*, *ſh. Shropſhire*, adjoining to *Montgomeryſhire*, &c.

III. *IRELAND*

III. *IRELAND* is divided into four larger Parts or Provinces, *viz.*

ULster to the *North*	LEinster to the *East*
MUnster to the *South*	CONnaught to the *West*.

Ul-le-mu-con : ——— ———

IV. *SCOTLAND* is divided into two general Parts :

North Scotland, or *Highland*, beyond the River *Tay*, containing 13 Counties ; among which are CAITHness, STRAITHness, ROSS, MURray, PERth, BraidALbin.

South Scotland, on this Side the *Tay*, containing 22 Counties ; some of which are ARGile, FIfe, GALloway, LOTHien.

—Straith-caith Ross-múr-per-al ; Arg-fi-gal & Loth.

TABLE VI.

Chief Cities and Remarkable Places.

In FRANCE.

AMien ch. T. in *Pica*rdy	BOURDeaux in *Gui*enne
Paris in the *Isle* of France	THolouse in *La*nguedock
Rouen in *Nor*mandy	GREEnoble in *Dau*phiny
TROY } in *Cham*pagne	DIJON in *Bur*gundy
RHEIMS } in *Cham*pagne	AIX } in *Prov*ence
RENne in *Breta*gne	MARseille } in *Prov*ence
POICTiers in *Orle*anois	ORange } in *Prov*ence

The Memorial Lines.

Am*pica* Pi*sle* Rou*nor* Troy-rhei*cham* Rén*breta* Poi*ctorl.*
Bourd*gui* Tho*la* Gree*dau* Dijón*burg* Aix-mar & or-*prov.*

In the NETHERLANDS.

MIDDLEBURGE in *Zeel*and	DUNKIRK } in *Flan*ders
DEVENTER in *Overiſſ*el	DOWAY }
LEWARDEN in *Friſe*land	ANTWERP in *Brab*ant
BRUSSELS in *Brab*ant	LOO in *Gel*derland
BRUGES in *Flan*ders	MONS } in *Han*ault
CHARLEROY in *Nam*ur	CAMBRAY }

Mid*zee* Dev*óveriſs* Lewár*friſe* Brús*braba* Brug*flan*.
Charl*nam* Dunk-dówa*ſland* Mon-camb*han* Loo*gel* & Ant*brab*.

In GERMANY.

HAMBURGH } Ch. Town in	FRANCFORT in UP. *Rh*ine
HANOVER } LOW. *Sax*ony	NUREM- } in *F*ranconia
WITTEM- } in UPPER	BERGE }
BURGH } *S*axony	MUNSTER in *Weſt*phalia
HEIDELBERGE } in the	STRASBURGE of UP. *Rh*ine
COLOGNE } LOW. *Rh*ine	VIENNA in *Auſt*ria
MUNICH in *Bavar*ia	BRESLAW in *Sile*ſia
AUGSBURG in *Swab*ia	CLEVES in *Weſt*phalia

Hamb-hano*ſal* Wit*ſup* Hei-col*rhi*lo Mun*bavar* Aug-*ſwab*.
Franc*rh*up Nur*F* Mun*ſweſt* Straſ*rh*up V*auſt* Bres*ſile* Clev*weſt*.

In SPAIN.

BILBOA in *Biſ*cay	PAMPELONA in *Nav*arre
COMPOSTELLA in *Gal*licia	CARAGOSA in *Arr*agon
SEVILLE in *Andal*uſia	BURGO in *Caſ*tile *vet*us
BARCELONA in *Catal*onia	MADRID in *Caſ*tile *no*va
OVIEDO in *Aſt*uria	LISBON in *Port*ugal

Bilbis

Bil*bis* Compo*ſgal* Sev*andal* Bar*catal* Ov*aſt*.
Pampel*nav* Carag*arr* Bur*caſ-vet* Mad*ca-no* Li*ſport*.

In TURKY *in* Europe.

SOPHIA chief Town in } *Bul*garia	Fosfega in *Sclav*onia
BELgrade in *Servi*a	TERGOVIſKO in *Walach*ia
SERAIO in *Boſ*nia	HERMAN-ſtat in } *Tranſy*lvania
SPALATO in *Da*lmatia	SACKZO in *Mo*ldavia
SALONIKI in *Mac*edonia	BUDA in *Hung*ary

Soph*bul* Bel*ſervi* Serai*bos* Spal*da* Salon*mac*.
Fos*ſclav* Tergó*walach* Herm*tranſyl* Sackzo*mo* Bud*hung*.

TABLE VII.

Remarkable Places, Sparſim, *in* EUROPE.

TRENT in TYROL } in *Auſtria*	MAGDEBURGE in *lo.Sax*ony
RATIſBON in *Bav*aria	CALAIS in *Pic*ardy
PADUA in *Ven*ice	BADEN in *Swab*ia
NIMEGUEN in *Gelder*land	BENEVENTUM in *Nap*les
OLIVA in *Prus*ſia	BREDA in *Brab*ant
CONSTANCE in *Swab*ia	CADIZ in *Andal*uſia
AIX LA CHA-pelle } in *Weſt*-phalia	AGINCOURT in *Art*ois
MONTPE-LIER } in *Lang*ue-dock	PETERWA-RADIN } in *Sclav*onia
HESSE CASſEL } in Cir. of UP. *Rh*ine	PIGNEROL in *Sav*oy
ALSACE	TRIERS in Cir. of *lo. Rh*ine
HOCHſTET } in *Bav*aria	MAESTRICH in *Limbur*ge
BLENHEIM	HAVERDE-grace } in *Norm*andy
ST. OMERS in *Art*ois	VALEDOLID in *O*ld *C*aſtile
FERDEN } in *lo. Sax*ony	TOLEDO in *New C*aſtile
BREMEN	MEAUX in *Cham*pagne
	SOISSON in the *Iſle* of France

AVIGNON

AVIGNON in *Prov*ence
NASSAW in C. of *up. Rh*ine
CITIDELLa in *Min*orca
CAGliari in *Sard*inia
PALERMO in *Sic*ily
NICOSIA in *Cyp*rus
BASTia in *Corsica*
TERCERA *Azor*es Island
CRACOW in *lit. P*oland
WARSAW in *Maz*ovia
Copenhagen in *De*nmark
BERGen in *Nor*way

The Memorial Lines.

Tren-tyrol*aust* Rati*bav* Pad*ven* Nim*gélder* Oliv*prus.*
Const*swab* Aixlacha*west* Montpel*lang* Hess-Cas & als *rh*up.
Hoc-blenhe*bav* Omer*art* Ferd-brem*sa-lo* Magd*sa-lo* Cal*pic.*
Bad*swab* Beneven*nap* Bred*brab* Cad*andal* Agin*cart.*
Petwara*sclav* Pig*sav* Trier*hi-l* Maest*limbur* Haverd-*norm.*
Valedolo*C* Tol*newC* Meaux*cham* Soissi*sle* & Avig*prov.*
Nass*rh-up* Citidel*min* Cag*sard* Paler*sici* Nic*cyp*
Bast*corsic* Té*razor* Crac*li-P* War*maz* Co*de* Berg*nor.*

TABLE VIII.

Chief Cities and Remarkable Places, Sparsim, *in* ASIA, AFRICA *and* AMERICA.

PEKin ch. City in *China*
AGRA in *India*
ISPAHAN in PERSIA
CHAMBALU in *Tartary*
ALEPPO in *Syria*
CAIRO in *Egypt*
FEZ in *Barbary*
DAARA in *Bildulgerid*
TOMBUTE in *Negroland*
MONOMOTOPA } in *Æthiopia super*
DUNCALO in *Nubia*
CHAXUMO } in *Æthiopia inferior*
S. FEE in *Granada*
S. SALVADOR in *Brasil*
S. JAGO in *Chili*
Assumption in *Paraguay*

QUEBECK

QUEBeck in *new* France		JAMES Town in *Virginia*	
PHILadelphia	in *Pensil*vania	BALTimore in *Maryland*	
		PORTroyal in *Nova Scotia*	

The Memorial Lines.

Pek*chin* Agr*ind* Chamb*tart* Isp*pers* Alép*syri* Cayr*E.*
Fez*barb* Daa*bildul* Tomb*neg* Monom*æth-supe* Dun*nub.*
Chax*æth-inf* Fee*gran* Salv*bras* Jagó*chili* Ass*par.*
Queb*newF* Phil*pensil* Jam*virgin* Balt*mary* Port*no-sc.*

TABLE IX.

LONGITUDE *and* LATITUDE *of the most remarkable Places.*

To the Beginning of the Name of the Place is added a *Technical* Ending, consisting of three or four Letters, the two first whereof denote the Latitude; the other the Longitude: Thus,

Stock*lou-ak*, i. e. STOCKholm in the 59th Degree of Latitude, and 18 of Longitude; *lou* standing for 59 according to the general Key, and *ak* for 18. But note here, that you are not to suppose this is the *exact* Longitude and Latitude of the Place, because here are no Minutes taken notice of, which would perhaps be a Nicety not worth remembring: But that the Latitude is between 59 and 60, and the Longitude between 18 and 19. And that you may be sure not to be mistaken above a Quarter of a Degree, 'tis further to be observ'd, that if of the two Letters, which signifie the Longitude and Latitude, the first is a *Consonant*, as in *lou*, in that Case, tho' the Longitude, *&c.* is between 59 and 60, yet it is nearer to 60 than it is to 59, and consequently 59 Degrees 30 Minutes at least, if not more. If the

first Letter is a *Vowel*, as in *ak*, tho' it is between 18 and 19, yet 'tis nearer to the *lesser* Number, and consequently 18 Degrees and *under* a half: as the true Longitude of *Stockholm* is 18 Deg. 22 Min. the true Latitude 59 Deg. 30 Minutes.

	Lat.	Lon.
BERGEN [Ber*sy-l*]	60	5
STOCKHOLM [Stock*lou-ak*]	59	18
Moscow [Mos-*lu-tei*]	55	38
COPENHAGEN [Cop*lu-be*]	55	12
PARIS [Par*fk-e*]	48	2
CRACOW [Cra-*cuz-ez*]	50	20
VIENNA [Vi*ok-ap*]	48	17
MADRID [Ma-*droy-t*]	40	3
ROME [Rom*fá-be*]	41	12
CONSTANTINOPLE [Con*ob-ta*]	41	31
PRAGUE [Prag-*ly-bo*]	50	14
DANTZICK [Dantz*uf-bei*]	54	18
BASIL [Basil*foi-p*]	47	7
BRUSSELS [Brus*ly-o*]	50	4
GIBRALTAR [Gib-*tau-s*]	36	6
SMYRNA [Sm*ik-dou*]	38	29
TROY [Tr*oy-en*]	40	29
JERUSALEM [Je-ru*ta-ts*]	31	36
ALEPPO [Ale-p*if-tei*]	36	38

	Lat.	Lon.
RHODES [Rho*toi-te*]	37	32
BABYLON [Bab*it-fo*]	33	44
ATHENS [Ath*ik-el*]	38	25
IDA [Id*il-doi*]	35	27
WARSAW [War-*sud-eb*]	52	21
ALEXANDRIA [Alex*ib-if*]	31	34
S. HELENS [Hel*bu-p*]	15	7
LISBON [Lis*tei-bz*]	38	10
NAPLES [Napl*ob-bu*]	41	15
MESSINA [Mes-*sik-bau*	38	16
CARTHAGE [Carth*ti-by*]	33	10
NANCY [Nan*fei-s*]	48	6
ISPAHAN [Isp*te-on*]	32	49
AGRA [Agr*ék-oit*]	28	73
SIAM [Siam*af-ga*]	14	100
JAPAN [Jap*to-bay*]	34	110
FORMOSA [For-m*di-g*]	23	100
ASTRACAN [As-tr*op-lau*]	47	56
PEKIN [Pekin-*oz-bap*]	40	117
Fort S. GEORGE [Gëo*bí-sou*]	13	69
SPITSBERGE [Spit*pi-sou*]	73	69

ARCHangel

ARCHangel [Arch*ſô-ſe*]	64	42
BENGal [Beng-*da-oul*]	21	95
VENice [Ven*ſl-ad*]	45	12
CAYRO [Cay*dou-il*]	29	35
LIPSICK [Lip-*ſub-ad*]	51	12
HECla [Hec-*ſlat*]	65	13
NINIveh [Nin*to-ſe*]	34	42
Porto BELLO [Bel*bá-ku*]	11	85
Porto RICCO [Ric*cez-lou*]	20	59
BERMuda [Berm*ta-lou*]	31	59
Jamaica [*Jak-ky*]	18	80
AZORES Iſl. [Azor*ip-el*]	37	25
MADera Iſl. [Mad*it-ed*]	33	22
CANARY Iſl. [Canar*ek-bau*]	28	16
BARbadoes [Bar*bu-la*]	15	51
QUEbeck [Quo*p-pu*]	47	75

N. B. The firſt Meridian is fix'd at *London*.

The Memorial Lines.

Ber*ſy-l* Stock*lou-ak* Mos*la-tei* Cop*lu be* Par*ſk e.*
Crac*uz-ez* Vi*ok-ap* Mad*roy-t* Rom*ſá-be* Con*ob-ta.*
Prag*ly-bo* Dant*zuf-bei* Basil*ſoi-p* Brus*ly-o* Gib*tau-s.*
Smi*k-dou* Tr*oy-en* Jeru*ta-ts* Alep*iſ-tei* Rho*toi-te* Bab*it ſo.*
Ath*ik-el* Id*il-doi* War*ſud-eb* Alex*ib-if* Hel*bu-p.*
List*ei-bz* Nap*lob-bu* Meſſik-*bau* Carth*ti-by* Nan*ſei s.*
Iſp*te-on* Agr*ek eit* Siam*af-ga* Jap*to-bay* Form*di-g.*
Aſtr*op-lau* Pekin*oz-bap* Gëo*bí-ſou* Spit*pi-ſou* Arch*ſô-ſe.*
Beng*da-oul* Ven*ſl-ad* Cay*dou-il* Lip*ſub-ad* Hec*ſl-at.*
Nin*to ſe* Bel*ba-ku* Ric*cez-lou* Bérm*ta-lou* J*ak-ky.*
Azór*ip-el* Mad*it-ed* Canar*ek bau* Bar*bu-la* Quo*p-pu.*

TABLE X.

Diſtance of Chief Cities, &c. from London *in* Engliſh *Miles.*

To the Beginning of the Name of the Place there are two or three Letters added, which are to

be ſupplied with a Cypher at the End; it being thought ſufficient to give a round Number, inſtead of being too exact, eſpecially in a Matter wherein the beſt Geographers themſelves are not agreed; as,

Madr*eis* MADRID diſtant from *London* 86 *ſc.* 860 Miles. COPENHAGEN [Cop*ſa*] diſtant about 61, *ſc.* 610. GENEVA [Genev*os*] diſtant *os* 46, *ſc.* 460 Miles; and ſo of the reſt, only PARIS [Par*del*] 225.

Note. That the Computations are made at the Rate of 69½ Miles to a Degree, which is certainly neareſt the Truth, and are therefore about one part in ſeven more than in Mr. *Templeman*'s Tables, who computes by Geometrical Miles, or 60 to a Degree.

Diſtances from London.

	Eng. Miles.		Eng. Miles.
PARIS [Par*del*]	225	PRAGUE [Pr*aul*]	650
Rome [R*oul*]	950	GIBRALTAR [Gibr*abs*]	1160
MADRID [Madr*eis*]	860	WARSAW [War*ſnu*]	950
VIENNA [Vien*ke*]	820	STOCKHOLM [St*oup*]	970
COPENHAGEN [Cop*ſa*]	610	DANTZICK [Dantzi*ky*]	800
GENEVA [Genev*os*]	460	CONSTANTINOPLE [Conſt*aſg*]	1600
MOSCOW [Moſc*aſs*]	1660		

Diſtances from Jeruſalem.

BABYLON B ab*oky*]	480	DAMAſCUS [Dam-*buz*]	150
NAZARETH [Naz*ky*]	80	ANTIOCH [Ant*ig*]	300
SAMARIA [Sam*ol*]	45		

From DAN to BEERſHEBA [Dan-a-béer*doz*] 240

The Memorial Lines.

Par*del* R*oul* Madr*eis* Vien*ke* Cop*ſa* Genev*os*.
Moſc*aſs* Pr*aul* Gibr*abs* War*ſnu* St*oup* Dantzi*ky* Conſt*aſg*.
Bab*oky* Naz*ky* Sam*ol* Dam*buz* Ant*ig* Dan-a-beer*doz*.

TABLE XI.

The Proportion of the Kingdoms of Europe *to* Great-Britain, *being the Unit.*

Moscovy [Mosc*az*,*bi*]	10 ,13	† DENMARK [Denma*b*,*on*]	1 ,49
GERMANY [Ger*t*,*ut*]	3 ,53	PORTUGAL [Por,*ts*]	,36
Sweden [Swi,*ſs*]	3 ,66	SPANIſH PROVINCES [Span-pr,*ak*]	,18
POLAND [Pol*t*,*in*]	3 ,39	UNITED PROVINCES [Un-pr*ab*]	,11
TURKY [Tur*t*,*ak*]	3 ,18	SWITZERLAND [Switzer,*boi*]	,17
Spain [Sp*a*,*ka*]	1 ,81	Britain	1 ,00
FRANCE [Fr*a*,*p*,	1 ,7		
* ITALY [It*b*,*an*]	1 ,19		

The Memorial Lines.

Mosc*az*,*bi* Ger*t*,*ut* Swi,*ſs* Pol*t*,*in* Fr*a*,*p* Sp*a*,*ka* Tur*t*,*ak*. Por,*ts* Span-pr*ak* Un-pr,*ab* Switzer,*boi* Dénma*b*,*on* It*b*,*an*.

EXPLANATION.

[Ger*t*,*ut*] *Germany* is to *Great Britain* as 3 ,53 to 1. *i. e.* three times as big, and a little above half as big. *United Provinces* [Un-pr,*ab* as ,11 or very little above a tenth Part; and ſo of the reſt.

Note. That a Degree is eſteem'd equal to 60 GEOMetrical Miles, 15 GERman Miles, 25 Common FRench Leagues, 480 *Greek* STADia, 16 PERsian PARAſangs, 12 (or according to ſome 8) *Ægyptian* SCHæni.

Deg = Geom*auz* = Ger*bu* = Fr*el* = Stad*oky* = Perſ-para*báu* = Sch*ad*.

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* With *Sicily*, *Corſica* and *Sardinia*.

† Including *Norway* and *Iſland*.

TABLE XII.

I. EUROPEAN *Islands.*

Iceland, Britain and Ireland — in the *N. Ocean*
Zeeland — in the *Baltick*
Minorca, Majorca, Yvica, Corsica, Sardinia, Sicily, Candia — in the *Mediterranean*

II. ASIATICK *Islands.*

Japan Isles, Ladrone — in the *Orient.* or E. *Ocean.*
Philippine I., Molucca Isl., I. of the *Sund.* — over-against the Eastern *Peninsula.*
Ceylon, Maldives — over-against the *West. Peninsula*
Cyprus, Rhodes — in the Mediterranean
Scio, Samo, metelin — in the *Archipelago*

III. AFRICAN *Islands.*

Azores Isl., Madera, Canary, I. of C. Verde — in the *Atlantick* or West. Ocean.
Malta, Pharos — in the *Mediterranean*
Zocotora, Madagascar, S. Helens — in the *Æthiopick* Ocean

IV. AMERICAN *Isl.*

Newfoundland
Bermudas or Summers I.
Lucay or Bahama Isl. (ch. *Providence*)
Antille I. (ch. of *Jamaica*)
Caribee (ch. *Barbadoes*)
California W. of Mexico

The Memorial Lines.

Ice-brit-I-*n-oc*; Zee*balt*; mi-majorc-yv Cor-sa-si cand-*med.*

Jap-lad*or-oc* Phí-mo-sun*P* Cey-mal*we-P*; Cyp-rho sci-sam-M*arch.*

Az-mad-

Az mad-can-verd*at*; Malt-phar*med* Zoc-madag-hel*æth*.

Newſ-bermu-baha *(prov)* Antil *(jam)* Cal Cari *(barbad)*

N. B. The Syllables included in the *Parentheſis* denote the chief or moſt remarkable of the Iſlands ſignified by the preceding Syllables; as Antill *(jam) Jamaica* chief of the *Antilles*. Cari *(barbad) Barbadoes* chief of the *Caribees*. Baha *(prov) Providence* chief of the *Bahama* or *Lucay* Iſlands.

TABLE XIII.

Situation of Iſlands.

ICELAND over-againſt *Norway*			[Ice*nor*]
I. of CAPE VERDE	over-againſt	*Neg*roland	[Ca-verd*neg*]
CANARY Iſl.		*Bildul*gerid	[Can*bildul*]
MADERA Iſl.		*Moroc*co	[Mad*moroc*]
AZORES Iſl.		*Port*ugal	[Az*port*]
MAJORCA, MINORCA, YVICA	over-againſt	*Valen*cia	[MAMY*valen*]
MALTA	South of	*Sic*ily	[Malt*ſic*]
CANDIA		*Arch*ipelago	[Cand*arch*]
RHODES, CYPRUS		*Na*tolia	[Rho-cyp*na*]
Corſica, SARDINIA		*Gen*oua	[Co-ſard*gen*]
S. HELENS *West* of *Congo*			[Hel*wes-cong*]
CUBA nigh the Coaſt of *Flor*ida			[Cub*flor*]
LUCAY *S. West* of *Berm*udas			[Luc*Swes-berm*]
BERMUDAS over-againſt *Carol*ina			[Berm*carol*]
HISPANIOLA *E.* of *Cub*a			[Hiſp*cubE*]
FUNEN between *Jut*land and *Zee*land			[*Jut*fun*zee*]
JAPAN over-againſt *Nor*th *Ch*ina			[Jap*nor-ch*]

FORMOſa

FORMOsa over-againſt *South China* [Form*ſou-chin*]
CALifornia over-againſt *new Me*xico [Cal*ne-me*]
NEWFoundland over-againſt *nova* *F*rancia, or Canada } [New*ſnoF*]

The moſt Remarkable of the leſſer Britiſh *Iſles.*

ORKney } *N*orth of *S*cotland [Ork-ſhet*no-ſc*]
SHETland }
HOLY Iſland over-againſt *North*umberland [Holy*north*]
CANVey Iſl. } near the Mouth of the *Thames* in { *Eſſex* [Canv*eſs*]
SHEPey Iſl. } { *Kent* [Shep-than*ken*]
THANet Iſl. }
ANGleſey over-againſt *Caern*arvonſhire [Ang*caern*]
MAN over-againſt *Lan*caſhire [Man*lan*]
RAMſey over-againſt St. *Davids* Point in *Pem*brokeſhire } [Ram*davi-pem*]
Wight (VECtis) *S.* of *Ham*pſhire [Vec*S-ham*]
GUERNſey } on the *Co*aſt of *Nor*mandy [Guer-jer*co-nor*]
JERſey }
Weſtern Iſl. (*Eb*udæ) WEſt of Scotland [*Eb*we-ſc]

The Memorial Lines.

Ice*nor* Ca-verd*neg* Can*bidul* Mad*moroc* Az*port*.
Ma-M-Y*valen* Malt*ſic* Cand*arch* Rho-cyp*na* Co-ſard*gen*.
Hel*wes-cong* Cub*ſlor* Luc*Swes-berm* Berm*carol* Hiſp-*cub-E*.
*Jut*funz*ee* Jap*nor-ch* Form*ſou-chin* Cal*ne-me* New*ſno-F*.
Ork-ſhet*no-ſc* Holy*north* Canv*eſs* Shep-than*ken* & Ang*caern*.
Man*lan* Ram*davi-pem* Vec*S-ham* Guer-jer*co-nor* Eb-*we-ſc*.

TABLE

TABLE XIV.

Antient EUROPE, ASIA, *and* AFRICA.

EUROPE, agreeably to the Knowledge the Antients had of it, may be divided into,

1. *Northern*; Containing all the Countries North of the *Danube*, viz. SCANDINAVIA, FENINGIA, SARMATIA, DACIA, GERMANICA.

2. *Middle*; Containing MAESIA, THRACIA, ILLYRICUM, PANNONIA, NORICUM; VINDELICIA, RHAETIA, GALLIA.

3. *Southern*; Containing IBERIA, ITALIA, GRAECIA.

Sca-F farm-da-G; Mæ-thr-ill Pan-nor-vin rhæt-gal; Ib-ít-græ.

II. *ASIA Antiqua* may be divided into,

Northern Asia; Containing SCYTHIA, Asiatica, COLCHIS, IBERIA, ALBANIA, SOGDIANA.

Middle Asia; Containing *Asia* MINOR, ARMENIA, SYRIA, MESOPOTOMIA, Assyria, MEDIA, HYRCANIA, ARACHOSIA, BABYLONIA, SUSIANA, PARTHIA, ARIA, DRANGIANA, PERSIS, CARAMANIA, GEDROSIA, North Part of INDIA, SERICA, or the Countrey of the *Seres*, SINÆ.

Southern Asia; Containing ARABIA, the two PENINSULA's of INDIA.

Scyth col-ib-alb sogdi; Min-árm-sy-mes áss-med-hyr árach.

Bab-sus-parth ári-dran pers-car-ged índ-se-sin Ar-P-ind.

III. *AFRICA*

III. *AFRICA* was anciently divided into,

Northern Africa; Containing Ægypt, Libya *Cyreniaca* and *Marmarica*, Africa *propria*, Numidia, Mauritania *Cæsariensis* & *Tingitania*, the Gætuli, Garamantes, Nasamones, Psylli, *&c.*

Southern Africa; as much of which as was known to the Antients, together with great Part of the *Middle Africk*, was formerly call'd by the general Name of Æthiopia, the most remarkable Inhabitants whereof were the Nubii, the Erembi, or *Trogeodytæ*, Leucæthiopes, *&c.*

Æ-ly-*cy-mar* Af*p*-num mau-*cæs-tin*; Gæ-gara nas-psyl.
Æth-núb-erem leucæth.

TABLE XV.

Antient ITALY *and* GREECE, ASIA Minor, SYRIA *and* PALESTINE.

1. Antient *ITALY* comprehended Liguria, Etruria, Latium, Campania, Græcia *magna*, Calabria, Apulia, Samnium, Picenum, Umbria, Veneti.

Lig-etru Lat-campa Græ*m* Cál-apu Sâm-picen Um-ven.

2. Antient *GREECE* was usually divided into five general Parts, *viz.* Peloponnesus, Hellas, or *Græcia* properly so call'd, Epirus, Thessaly and Macedonia. [Pel-hél-epi Thes-mac]

Peloponnesus was divided into six Parts or Regions, *viz.* Achaia propria, Elis, Messene, Laconia, Argia, Arcadia.

Hellas,

Hellas, or *Græcia propria*, (call'd alſo *Achaia*) was divided into eight ſeveral Parts or Regions; *viz.* MEGaris, ATTica, BOEotia, LOCRis *Epicnemidia*, Doris, PHOCis, LOCRis *Ozolæa*, ÆTolia.

Ach-éli-meſs Lác-ar-arc : Meg-átt-bœ Locré*p*-do-pho LOZ-æt.

3. *Aſia minor* comprehended BITHynia, PONTus, GALatia, CAPPADOCia, Asia *propria*, LYCIA, PAMPHYLIA containing the Regions of CARBAlia and Part of PISIDIa, CILICia.

Aſia propria contain'd PHRYgia *major & minor*, MYſia *major & minor*, LYDIa, ÆOLIS, Ionia, CARIa, DORIS.

*Gal*atia comprehended PONTUS *Galaticus*, PAPHlagonia, GALAtia *propria*, Isauria, and the other Part of PISIDIA.

Bith-pon-gal Cappad-as*p* Lyci Pámphili (carba-pisíd) cil.

Phry-my-lyd æól-I-car-D. *Gal*-Póng*ala* Paph-gala*p* Iſ-pis.

4. *SYRIA* was divided into four Parts, SYRIA *propria*, PHOENICIA, PALEſtine, COELE-syria.

5. *PALESTINE* was diſtinguiſhed into IDUMæa, JUDÆA, SAMaria, GALILEE, PERAEA or *Judæa* beyond *Jordan*.

Syr*prop*-phæn pále-cœl : Idúm-jud Sam-ga-peræa.

TABLE XVI.

Antient GALLIA, GERMANIA, HISPANIA, BRITANNIA.

1. *GALLIA* was divided by *Auguſtus* into four Parts or Provinces, *viz.* Gallia NARBONENſis, AQUI-

tanica, CELTICA (or *Lugdunensis*) and BELGICA [*Gall*-N-áqui-ce-B]

2. The Inhabitants of antient *GERMANY* are comprehended under four general Denominations, *viz.* VANDALI, INGÆVONES, ISTÆVONES, HERMIONES [*Gér*vand-ing-íst-herm]

3. *IBERIA*, or antient *Spain*, was distinguish'd into three general Parts, *viz.* TARRACONENSIS, BOETICA and LUSITANICA [*Hisp*tara-bœt-lus]

4. *BRITANNIA*, according to the last Division by the *Romans*, was distinguish'd into five Parts, *viz.* BRITANNIA *prima*, Britannia *secunda*, FLAVIA Cæsariensis, MAXIMA CAESARIENSIS, VALENCIA.

Gall-Naqui-ce-B *Gér*vand-ing-íst-herm*Hisp*tara-bœt-lus *Brit*prim-sec Fla-ma-cœs-val.

The Memorial Lines for all the Antient Geography.

Sca-F sarm-da-G; Mæ-thr-ill Pan-nor-vin rhæt-gal; Ib-ít-græ.

Scyth col-ib-alb sogdi; Min-arm-sy-mes áss-med-hyr árach.

Bab-sus-parth ári-dran pers-car-ged índ-se-sin Ar-P-ind.

Æ-ly-*cy-mar* Af*p*-num mau-*cæs-tin*; Gæ-gara nas-psyl.

Æth-núb-erem leucæth. ———

Lig-etru Lat-campa Græ*m* Cál-apu Sam-picen Um-ven.

Ach-eli-mess Lac-ar-arc: Meg-att-bœ Locré*p*-do-pho LO*z*-æt.

Bith-pon-gal Cappad-as*p* Lyci pámphili (carba-pisíd) cil.

Phry-my-lid æól-I-car-D. *Gal*-Pón*gala* Paph-gala*p* Is-pis.

Syr*prop*-phæn pale-cœl: Idúm-jud Sam-ga-peræa.

Gall N-aqui-ce-B *Ger*vand-ing-ist-herm *Hisp*tara-bœt-lus.

*Brit*prim-sec Fla-ma-cæs-val.

TABLE

TABLE XVII.

Remarkable Places in Antient Geography.

ABDERA in *Thrace*
BERYTUS in *Phœnicia*
HELICON in *Phocis*
HALICARNASSUS in *Doris* in *Asia* minor
CHERONÆA in *Bœotia*
CANNÆ in *Apulia*
ARBELA in *Assyria*
GRANICUS R. of *Phrygia*
MAEANDER Riv. of *Lydia*
TAGUS Riv. of *Lusitania*
ISSUS Prom. of *Cilicia*
PATMOS one of the *Sporades* Islands
OLYMPIA in *Elis*
PYLUS in *Messene*
MARATHON in *Attica*
DELPHOS in *Phocis*
DODONE in *Epirus*
DYRRACHIUM in *Macedonia*
THESSALONICA in *Amphaxitis*, a Countrey of Macedonia
NICOMEDIA in *Bithynia*
NYSSA in *Megaris*
ACROCERAUNIA in *Epirus*
CITHERON M. in *Bœotia*
HYMETTUS M. in *Attica*
ATHO M. in *Macedonia*
OLYMPUS, PELION, OSSA } M. in *Thessaly*
MANTINEA in *Arcadia*
EPIDAURUS in *Laconia*
PELLA in *Æmathia*
ACTIUM, ACARNANIA, AMBRACIA } in *Epirus*
SMYRNA, EPHESUS } in *Ionia*
PERGA in *Pamphylia*
LAODICEA in *Caria*
SARDIS, THYATIRA, PHILADELPHIA } S. *Lydia*
SARDICA in *Illyricum*
CHALCEDON in *Bithynia*
CIRTIUM in *Numidia*
ELIBERIS in *Hisp. Bætica*
ANCYRA in *Galatia*
GANGRA in *Paphlagonia*
SIRMIUM in *Sclavonia*
NEOCAESAREA in *Cappadocia*
PHARSALIA in *Thessaly*
PHILIPPI in *Thracia*
LEUCTRA in *Bœotia*
CLUSIUM in *Etruria*
BAIÆ in *Campania*
TUSCULUM in *Latium*

AQUILEIA op. of the *Veneti*
EDESSA in *Mesopotamia*
RHEGIUM in *Calabria*
Tomi in *Mæsia*
DAMASCUS in *Cœle Syria*
COLOSSÆ in *Phrygia*
SAGUNTUM in Hisp. *Tarraconensis*

The Memorial Lines.

Abder*thra* Bery*phæn* Helico*ph* Halicár*dor-A* Cher*bæ*.
Cann*apul* Arb*assyr* Gran*ph* Mæ*lydi* Tág*lusit* Is*cil*.
Pat*sporad* Olym*elis* Pylm*es* Marath*attica* Del*pho*.
Dodon*epir* Dyrr*mac* Thessal*amphax* Nic*bithy* Nyss*meg*.
Acró*cepir* Cith*bæ* Hym*at* Ath*mac* Ol-pel-O*thessal*.
Mant*arc* Epidau*lac* Pell*æmath* Act-acar-ambr*ep*.
Smyrn-eph*ion* Perg*pam* Laod*car* Sard-thya-phil*lyd*.
Sard*ill* Chal*B* Cirt*num* Elib*his-bœt* Anc*gala* Gang*paph*.
Sirm*sclav* Neocæ*scap* Phars*thessa* Philip*thraci* Leuc*bæ*.
Clu*setru* Bai*campa* Tus*clat* Aquilei*ven* Edes*mes*.
Rheg*calabri* To*mæs* Dam*cæl-S* Colóss*phrygi* Sag*tar*.

TABLE XVIII.

The Correspondence of Antient *and* Present Geography.

REGIONS *and* PROVINCES.

Antient.	*Present.*	*Antient.*	*Present.*
SARMATIA [Sarm-*po*-*ta-mu-L*]	Poland, Great *Tartary*, South Part of *Muscovy*, *Livonia*	TEUTONI or CODANI	*Zeeland* and *Funen*
CIMBRICA chersonesus	*Jutland*	SCANDINAVIA or BALTIA	*Norway* and part of *Sweden*
		SCYTHIA As. and SOGDIANA	Great *Tartary*
			ACHAIA

Antient.	*Present.*
Achaia or Hellas	*Livad*ia
Epirus	*Can*ina
Thessaly	*Jan*na
Maesia sup.	*Ser*via
Maesia inf.	*B*ulgaria
Peloponnesus	*Mor*ea
Thracia	*Rom*ania
Pannonia	*Hung*ary
Dacia	*Mol*davia, *Wa*lachia, *T*ranſilv.
Liburnia	*Cro*atia
Illyricum	*Cro*atia, *Dal*matia
Noricum	*Bavar*ia, *Auſ*tria
Vindilicia	*Swa*bia, *B*avaria
Rhoetia	*Griſ*ons, *Tyr*ol and P. of *It*aly
Helvetii	*Switz*erland
Allobroges	*Sav*oy
Colchis	*Meng*relia
Iberia, Albania	*Geor*gia
Gaetulia	*Bild*ulgerid
Africa proper	*Trip*oli and *Tun*is
Mauritania	*Fez* and *Mor*occo
Libya pr.	*Barc*a
Numidia	*Alg*iers
Libya *deſ*erta	*Zara*
Nigritæ	*Neg*roland

The Memorial Lines.

Sarm*po-ta-mu-L* Cimb*jut* Teut-cód*zee-F* Sca-B*ſwe-no* Scyth-ſog-*T*.
Ach*livad* Epi*can* Theſ*ſjan* Mæſ*ſér-B* Pelo*mor* Thr*om*.
Pan*hung* Daci*mol wa-T* Libur*cro* Illyri*cro-dal*.
Nor*bavar-aus* Vind*ſwa-B* Rhæt*gríſ-tyr-it* Helv*ſwit* Allób*ſav*.
Colch*meng* Iber*álb-geor* Gætul*bild* Africa*trip-tun*.
Mau*fez-mor* Liby*barc* Numid*alg* Lib*déſ-zara* Nig*neg*.

TABLE

TABLE XIX.

Seas, Straits, Gulfs, Islands, Rivers, Towns.

Antient.	*Present.*
Mare Hyrcanum, or Caspium	Sea of *Sala* or *Bacchu*
Pontus Euxinus	*Black* or Euxine Sea
Ægean Sea	*Arch*ipelago
Propontis	Sea of *Marm*ora
Palus Maeotis	Sea of *Zab*acche
Fretum Gaditannm	Straits of *Gib*raltar
Bosphorus Cimmerius	Straits of *Caffa*
Bosphorus Thracicus	Straits of *Const*antinople
Hellespont	Straits of the *Dar*danells
Sinus Adriaticus	Gulf of *Ven*ice
Sinus Salaminius	Gulf of *Eng*ia
Sinus Gangeticus	Gulf of *Beng*al
Sinus Persicus	Gulf of *Bals*ora
Sinus Corinthiacus	Gulf of *Lep*anto
Sinus Arabicus	*Red* Sea

Islands, Rivers and Towns.

Antient.	*Present.*	*Antient.*	*Present.*
Thule	*Ice*land	Cassiterides	*Sil*ly Isl.
Ebusus	*Yv*ica	Eubæa vel Chalcis	*Neg*ropont
Baleares	*Ma*jorca, *M*inorca	Ister	*Danu*be
Isl. Æoliæ	*Lipari* Isl.	Boetis	*Guadal*-quiver
I. Fortunatæ	*Can*ary I.	Tanais	*Don*
Hesperides	I. C.*Verde*	Rha	*Wolga*
Taprobona	*Ceyl*on	Borysthenes	*Nieper*
Cos	*Lang*o		
Crete	*Candie*		

Argentorat

Antient.	*Present.*	*Antient.*	*Present.*
Towns.		Colognia Allobrogum	*Geneva*
Argentorat.	*Stras*burge		
Moguntium	*Mentz*	Rothomagia	*Roan*
		Tigurum	*Zur*ich

The Memorial Lines.

Caſp*ſala-bach* Eux*black* Æg*arch* Prop*mármo* Mæot*zab.*
Fret-gádi*gib* Cimm*caff* Thraci*conſt* Helléſp*dar* Adrat*ven.*
Sin-ſalam*eng* Gan*beng* Pers*bals* ſi-corínth*lep* Arábr*ed-S.*

Thul*ice* Ebuſ*yv* Bale*ma-M* Æo*lípari* Fort*can.*
Heſp*verd* Taprob*ceyl* Cos*lang* Cret*candi* Caſſit*ſill.*
Chalc-eub*neg.* ——— ———
Iſt*danu* Bœtg*úadal* Tana*don* Rha*wolga* Boryſt*niep.*
Argent*ſtras* Mog*mentz* Col-all*gen* Róthor*oa* Tig*zur.*

N. B. It was thought needleſs to give more Examples, eſpecially of ſuch as have any Likeneſs or Affinity in their Names; as *Tagus* Taio, *Sequanus* Seyne, *Rhenus* Rhine, *Garumna* Garonne, *Zacynthus* Zante, *Melita* Malta, *&c.*

Geographia Sacra.

Table XX.

The Plantation of the Earth after the Flood:

And Firſt, The ſeveral Countries mentioned in Holy Scripture, and denominated from ſome of the Poſterity of *SHEM*, viz.

Ophir,

OPHir, conjectured to be Part of the *East Indies*, viz. Aurea *Cherso*nesus of the Antients.

HAvilah, Part of *Sus*iana and *Car*amania.

ELAm, Part of *Sus*iana and *Pers*is.

ASSHUR, or *Assyria* properly so call'd, into which *Nimrod* is said to come and build *Nineveh*, &c.

ARAM, Part of *Sy*ria and *Mes*opotamia.

Land of UZ, Judæa *peræa*, and the adjoining Parts of ARAbia *deserta* and Petræa.

LUD or *Lyd*ia in *Asia minor*.

Oph*chers* Havi*sus-car* Ela*sus-per* Arám*sy-mes* Asshur. Uzjú*p*-ara*d* Lud*lyd*.

Countries mention'd in the Scripture, and denominated from the Posterity of *JAPHET*, (eldest Son of *Noah*) whose Family is supposed to have peopled, besides a considerable Part of *Asia*, all *Europe*.

MADai, call'd by Heathen Writers Media.

GOMER thought to be *Alb*ania on the Euxine Sea.

TOGArmah, *Cap*padocia.

ASHKEnaz, *Ph*rygia.

TUBal, *Iber*ia in Asia.

MESHECH, the Countrey lying about the Montes *Mosch*ici, between Colchis and Armenia major.

MAGog, the Parts of *Scythi*a adjoining to the Plantations of *Mesh*ech, Tubal and Gomer.

JAvan, antient *Gree*ce.

ELISHah, or the Isles of Elisha, the Isles of the *Arch*ipelago.

KITTim understood of *Ita*ly, Dan. 11. 30. and of Macedonia in the Book of Maccabees.

TARSHish, by *Josephus* understood to be *Cil*icia, by others Old Spain, by others Carthage.

Mad Gomer*alb* Toga*cap* Ashke*ph* Tub*ibéri* Meshéch-*mosch*.

Mag*scythi-mesh* Jav*gree* Elísh*arch* Kitt*ita* Tarsh*cil*.

Countries

Countries mentioned in Scripture, denominated from the Posterity of *HAM* (youngest Son of *Noah)* whose Family peopled *Africa*, with the adjoining Parts of *Asia*.

Land of CUSH, (commonly render'd *Æthiop*ia) under which Name seems to have been contain'd most of Arabia, distinguished into several Parts, denominated from the Posterity of Cush, as,

SHEBA, *Ara*bia *F*elix.

HAVILAH, Part of *Ara*bia *deserta*, next to Babylonia.

RAAMATH and DEDAN, Parts on the *Per*sian *Gu*lf.

MIZRAIM, or *Æ*gypt.

LUB or Lybim, that is, Libya properly so call'd.

PHUT, the more remote Parts of *Lib*ya largely taken.

Land of CANAAN lying between the River *Jor*dan and the *M*editerranean.

Land of HAMATH, North Part of *Phœn*icia, and adjoining Parts of *S*yria propria.

ARVAD, or Arpad, or the Isle Aradus, lying over against *Hama*th.

Land of the PHILISTINES, *Pale*stine proper.

Cush*æthiop* [Sheb*ara-F* Hav*ara-d* Ra-déd*pe-gu*] Mizr*æ*.

Lub Phut*lib* Cána*jor-M* Hamáth*phœn-S* Arv*hama* Phil*pal*.

TABLE XXI.

Division of the Holy Land.

The Kingdom of *JUDAH* contained the Tribes of Judah and BENJAMIN. [Ju-B]

The Kingdom of *ISRAEL* contained the Tribes of

Simeon, Dan, Ephraim, Half of Manasseh, Issachar, Zabulon, Nephtali, Asher	West of Jordan
Reuben, Gad, the other Half of Manasseh	East of Jordan

The seven Nations were the Canaanites, the Girgashites, the Hittites, the Hivites, the Amorites, the Jebusites, and the Perizzites.

Jú-B Si-D-E-M I-zá-neph-ash Reu-ga-M Can-gír-hit-hiv Am-je-P.

The Division of the Holy Land in the New Testament, *compar'd with the Divisions thereof among the Twelve Tribes in the* Old Testament.

*Id*umæa contain'd the S. Parts of Judah and Simeon, and some Part of the Land of Edom. [*Id*-ju-sim-ed]

*Ju*dæa contain'd the remaining Parts of Simeon and Judah with Benjamin. [*Jú*-si-ju-B]

*Sam*aria contain'd Ephraim, with the half of Manasseh. [*Sam*-eph-man]

*Gal*ilee contain'd Issachar, Zabulon, Nephtali and Asher. [*Gál*-I-za-nepht-ash]

*Per*æa contain'd Reuben, Gad, and the other half of Manasseh. [*Per*-reu-G-man]

Id-ju-sim-ed *Jú*-si-ju-B *Sam*-éph-man *Gál*-I-za-nepht-ash *Per*-reu-G-man. ———

The Land of Edom bordered on the *South* of *Judæa*. [Ed*sou-jud*]

The Land of the Moabities lay on the *N. E.* of *Edom*. [Moa*NEed*]

The

The Land of the Ammonites lay on the *N. E.* of *Moab*. [Am*NEmoab*]

The Ishmalites, Madianites, and Amalekites, liv'd promiſcuouſly together, and therefore ſeem to be denoted by the common Name of the Mingled People, or *Arab*ians, from ערב *miſcuit*, from whence the Greek Apellation of Ἄραψ, or Ἄραβες.

Ed*ſou-jud* Móa*NEed* Am*NEmoab* Iſh-mad-am*arab*.

Table XXII.

The moſt remarkable Rivers, with the Places where they riſe, and the Seas into which they fall.

In EUROPE.

The Wolga, the greateſt River in *Europe*, riſes in *Mo*ſcovy, and falls into the *Ca*ſpian Sea. [Wol*mo-ca*]

The Danube riſes in *Swab*ia, and falls into the *Eux*ine Sea. [Dan*ſwab-eux*]

The Rhine riſes in the Countrey of the *Griſ*ons, and falls into the *Ger*man *O*cean. [Rhin*griſ-gero*]

The Viſtula, or *Weyſſel*, riſes in *Po*land, and falls into the *Ba*ltick. [Viſt*po-ba*]

The Nieper riſes in *P*oland, and falls into the *Eux*ine Sea. [Nie*P-eux*]

The Dwina riſes in *Mo*ſcovy, and falls into the Gulf of the Northern Ocean, call'd the *Whi*te Sea. [Dwin*mo-whi*]

The Taio in *Sp*ain, falls into the *Atl*antick *O*cean. [Tai*ſp-atl-oc*]

The Iberus, or *Ebro*, in *Spain* } fall into the
The Rhodanus, or *Rhoſne*, in *France*. [Ib-Rhod*med*] } *Med*iterranean.

The ELBE in *Germany* falls into the *Ger*man *Oc*ean. [Elb*ger-oc*]

The ODER in *Germany* falls into the *Balt*ick. [Od*balt*]

In ASIA.

Tigris and EUPHrates rise in *Arm*enia major, and having join'd Streams on the South East of *Mesopotamia*, fall into the *Si*nus *P*ersicus. [T-Euph*arm-siP*]

JORDAN rising in the Border of *Neph*tali, and passing through the Lake of *Gennesaret*, falls into the *Salt* Sea. [Jord*neph-salt*]

GANGES in *I*ndia falls into the Bay of *Beng*al. [Gán-*I-beng*]

In AFRICA.

The NILE, running through the Middle of *Egypt*, falls into the *Medi*terranean. [Nil*medi*]

The NIGER runs through *Negroland* into the *At*lantick Ocean. [Nig*at*]

The Memorial Lines.

Wol*mo-ca* Dan*swab-eux* Rhing*ris-gero* Vist*po-ba* Nie-*P-eux*.

Dwin*mo-whi* Tai*sp-atl-oc* Ib-Rhod*med* Elb*ger-oc* Od*balt*.

T-Euph*arm-siP* Gán-*I-beng* Jord*neph-salt* Nil*medi* Nig*at*.

ASTRO-

ASTRONOMICA.

SECT III.

The Application of this Art to Aſtronomy and Chronology.

THE *Technical* Endings affixed to the Beginnings of the Names of the Planets repreſent the Number of Miles of their Diameters, Diſtances, Magnitudes, *&c.* according to the general Key. Where the Beginning of the Word is *Technical*, it is compoſed of the Syllables or Letters diſtinguiſh'd in the Tables by Small Capitals.

TABLE I.

The Diameters, &c. of the Planets in Engliſh *Miles, according to Mr.* Derham's Aſtro-theology.

	Engl. Miles.
LUNA [Lún*dapu*]	2175
MERCURY [Merc*epſei*]	2748
MARS [Mars*okpu*]	4875
VENUS [Ven*foukoi*]	4987
TERRÆ DIAM. [Ter-dia*pouſoi,k*]	7967,8
SATURN [Sat*ní-ola*]	93,451
JUPITER [Ju*biz-ault*]	130,653
SOLIS DIAM. [Sol-di*ked-áfei*]	822,148

The DIAMETERS *of their* ORBITS.

SATURN [D-orb-ſát*aſob-les-teis*]	1641.526,386
JUPITER [Ju*koúl-atoth*]	895.134,000
MARS [Mars*eſe-déid-naz*]	262.282,910
TERRA [D-orb-ter*boid-áze-poul*]	172.102,795
MERCURY [Mer*ſau-ſebth*]	66.621,000
VENUS [Ven*bef-okoi-baf*]	124.487,114
LUNA [Dorb-lun*opóu-nyl*]	479,905
SATURNI ANNULI DIAM. or the Diameter of *Saturn*'s Ring [Sat-anu-di-*dáz-daul*]	210,265
—— Ejuſdem LATITUDO, or the Breadth of *Saturn*'s Ring [—— lati*dóu-eg*]	29,200
TERRÆ SUPERFICIES, or the ſuperficial Content of the Earth [Ter-ſuper*ann-fof-ezau*]	199.444,206
—— Ejuſdem DIAMETER [Dia-*pouſoi,k*]	7967,8

—— Ejuſdem

	Eng. Miles.
—— Ejusdem Orbitæ PERIMETER [Perm*ufy-ſkau-del*]	540.686,225

The Magnitudes or Solid Contents in Cubick Miles *of the larger Planets.*

MAGNITUDO.

	Cubick Miles.
TERRÆ [Ter-magnit*éſo-klaum*]	264,856.000,000
SOLIS [Mag-ſolis*ëoúz-noia*-mil-mil]	290,971.000,000.000,000
Jovis [Mag-jov*nez-záb-ezym*]	920.011,200.000,000
SATurni [Sat-Magnit-*oép-dak* & *izym*]	427.218,300.000,000

The AMbit *or Circumference.*

	Engl. Miles.
JOVIS [Am-jovis*ipoú-zot*]	379,043
Terræ [Am-T*el-yib*]	25,031
SOLIS [Am-ſol*e-leid-koit*]	2.582,873

The Memorial Lines.

Lun*dapu* Merc*epfei* Mars*okpu* Ter-dia*pouſoi,k.*
Sat*níola* Ju*biz-aúlt* Ven*foukoi* Soldi-*ked-áfei.*
Dorb-ſát*aſob-leſ-teis* Juk*oúl-atoth* Mar*ſeſe-déid-naz.*
Dorb-ter*boid-áze-poul* Merc*ſau-ſebth* Ven*beſ-okoí-baſ.*
Sat-anu-di*daz-daul* — lati*doueg* Dorblun*opóu-nyl.*
Ter-ſuper*ann-ſof-ezau* — dia*pouſoi,k* — Perm*ufy-ſkau-del.*
Ter-magnit*éſo-klaum* Mag-ſólis-*ëoúz-noia*-mil-mil.
Mag-Jov*nez-záb-ezym* Sat-magnit*oép-dak* & *izym.*
Am-jovis*ipoú-zot* Am-T*el-yib* Am-ſol *e-leid-koit.*

TABLE II.

The Diameters, &c. of the Planets, according to Mr. Whiston *.

SATURN [Satót-*nel*]	43,925	*Engl.* Miles of 5000 *Paris* Feet.
MARS [Márekas]	2816	
JUPITER [Jupile-*led*]	52522	
MERCURY [Mércepap]	2717	
The EARTH [Earth*kezd*]	8202	
The Sun [Sol-dia*fouf-ázy*]	494,100	
The Moon [Dia-lun*deet*]	2223	
VENUS [Ven-dia*foufa*]	4941	

2. *Their* DISTANCES *from the Sun.*

	English Miles.
SATURN [Sat-diſtat-*láï lozth*]	513.540,000
JUPITER [Jupit-*ékz-uketh*]	280.582,000
MERCURY [Mércurez-*oúleth*]	20.952,000
TERRA [Ter-diſt*lom*]	54.000,000
MARS [Máke-*dodth*]	82.242,000
VENUS [Ven*tou-znauth*]	39.096,000

3. *The* QUANTITY *of Matter in the Heavenly Bodies is in the Proportions following.*

The *Earth* [Quan-tera]	00001
The *Moon*'s [Quan-lun,*res*]	00000 $\frac{1}{26}$
JUPITER's [Quan-jup*ſy*]	00060
SATURN [Sa-que*k*,*ro*]	28 $\frac{1}{4}$
Sun [So-qu*auſ-ſny*]	66690

The

* Theory of the Earth, p. 31, &c.

4. *The Weight* (PONDUS) *of Bodies on the Surface of*

SATURN [Pon-ſáturuts]	536
The *Moon* [P-lunſiz]	630
Jupiter [Pon-jukzo,re]	804½
The *Earth* [Pon-teraduk,re]	1258½
The *Sun* [Pon-ſolazth]	10,000

5. *The* DENSITIES *of the ſame.*

The *Sun* [Dén-ſolag]	100
The *Moon* [Den-lunoig]	700
The *Earth* [Den-terteip]	387
SAturn [Den-ſaſy]	60
Jupiter [Den-jups]	76

N. B. Mr. *Whiſton* ſuppoſes the *Sun*'s Parallax to be 32″. Mr. *Derham* (with *Caſſini*) 9 Sec. and half.

The Memorial Lines.

1. Satót-*nel* Máre*kas* Jupi*le-led* Mérc*epap* Earth*kezd.* Sol-dia*fouſ-ázy* Dia-lun*deet* Ven-dia*fouſa.*

2. Sat-diſtat-*láï-lozth* Jupit-*ékz-uketh* Mercu*rez-ouleth.* Ter-diſt*lom* Ma*ke-dodth* Ven*tou-znauth.*

3. Quan-ter*a* Quan-lun,*res* Quan-jup*ſy* Sa-qu*ek,ro* So-qu*auſ-ſny.*

4. Pon-ſatur*uts* P-lun*ſiz* Pon-ju*kzo,re* Pon-ter*aduk,re* Pon-ſol*azth.*

5. Dén-ſol*ag* Den-lun*oig* Den-ter*teip* Den-ſa*ſy* Den-ju*ps.*

TABLE III.

The Periodical Times of the REVOLUTIONS *of each Planet about the Sun, are as follow:*

MERCURY in	88	Days or about	3 Mon.
VENUS	224		7 Months ½
MARS	687		2 Years
JUPITER	4333		12 Years
SATURN	10759		30 Years

Merc-revol*eik* Ven*def* Mars-rev*ſeip* Jup*ſiti* Sa*zpun*.
Merc-revo-men*t* Ven-me*ph* Mars-an*d* Jupit-an*be* Sat-an*ty*.

N. B. Men *vel* me *Menſibus*, an Annis, *h* half.

The DISTANCE of the Earth from the Sun being divided into 10 Parts, or DECIMALS, the Diſtance of MERCURY from the Sun will be as 4 of them, of VENUS as 6, of MARS as 15, of JUPITER as 52, of SATURN as 95.

Ter-diſt*az* Mér*o* Ven*s* Mars*al* Jupiter*le* Saturn*oul*.

The *Sun* is diſtant from the Earth 21600 SEMI-diameters of the Earth = 86,051,398 Miles.
The Moon 60½ Semidiameters = 239,952 Miles.

Diſt-ſol-ſemi*da-ſyz* = *kau-zub-touk* ———
——— Diſtat-lun-ſem*ſy,ro* = *din-nud*.

The Motion of the *Sun* round its Axis is perform'd in 25 Days 6 Hours (DIEBUS 25¼) [Sol-di-*du,ro*] The Motion of *Jupiter* (Jovis) round its Axis is perform'd in 9 HOURS 56 MINUTES [Jo-h*n*-m*us*] that of the Earth in 24 Hours; ſo that the Motion

tion of the Sun round its Axis is at the rate of 4262 Miles an Hour [Sol*fese*] The Motion of *Jupiter* round its Axis 38159 Miles an Hour [Jo*teibun*] The Motion of the Earth round its Axis is 1043 Miles an Hour [Ter*bzot*]

Soldi*du,ro* Jo-h*n*-m*us* Jo*teibun* Sol*fese* Ter*bzot*.

The apparent Diameter of the Sun in Summer (ÆSTATE Solis DIAMETER) is 31 MINUTES 40 Seconds. [Æſtat-ſo-di-m*íb*-s*oz*]

In Winter (HYEME) 32 MINUTES 47 seconds [— hye-m*id*-s*op*]

If the Sun is ſuppoſed to go round the Earth, its diurnal Motion will be 22.528,366 MILES in an Hour, [Sol-M-ho*de-lek-taus*]

Æſtat-ſo-di-m*ib*-s*oz* hyem*id*-s*op* Sol-M-ho*de-lek-taus*.

The Three COMETS *whoſe Periods are thought to be diſcover'd.* Derh. Aſtr. *p.* 56.

That which appear'd	1682	performs its Revolution in	75	and will appear again	1758
	1661		129		1789
	1680		575		2255

Com*ſke-pu ſaúb-adou ſky-loil: puk pein* & *eëlu.*

The Memorial Lines.

Merc-revol*eik* Ven*def* Mars-rev*ſeip* Jup*ſiti* Sa*z-pun.*
Merc-revo-men*t* Ven-me*ph* Mars-an*d* Jupit-an*be* Sat-an*ty.*
Ter-diſt*az* Mér*o* Ven*s* Mars*al* Jupiter*le* Saturn*oul.*
Diſt-ſol-ſemi-*da-ſyz* = *kau-zub-touk* Lun*ſy,ro* = *din-nud.*
Sol-di*du,ro* Jo-h*n*-m*us* Jo*teibun* Sol*ſeſe* Ter*bzot.*
Æſtat-ſo-di-m*íb*-s*oz*—hye-m*íd*-s*op* Sol-m-ho*de-lektaus.*
Com*ſke pu ſaúb-adou ſky-loil: puk pein* & *eëlu.*

TABLE IV.

Chronological Notes.

	d.	h.	m.	s.	th.
Solar Month (MENſis SOLAris) conſiſts of [Men-ſolar*ty-by-dou*]	30	10	29	00	0
Lunar SYNODal Month [Synod-*en-be-ff-t*]	29	12	44	03	0
Lunar PERIodical Month [Men-peri*doi-p-ot*]	27	07	43	00	0
The Cycle of the Moon leſs (CYCLUS LUNARIS MINOR) than 19 *Julian* Years [Cyc-lu-min-h*a-doi-ta-ll*]	00	01	27	31	55
(This Difference ariſes to a whole Day, and conſequently throws the New Moons back a whole Day, in 312 Years (ANNIS) [Ann*tad*])					
The Tropical or Natural Solar Year leſs than the *Julian* (Annus TROPICUS MINOR JULIANO) eleven Minutes; [Trop-min-juli-m*ab*] and conſequently the Equinoxes happen a Day ſooner in 130 Years) [*biz*]	00	00	11	00	0
The Lunar Year (LUNARIS ANNUS) [Lun-an*ilo* hei-m*ok*]	354	08	48	00	0
The EPACT [Epa*caz-da-b*]	10	21	01	00	0
The Solar Year (SOLARIS ANNUS) [Sól an*iſu-l-on*]	365	05	49	00	0
Between the VERNal and AUTUMNal Equinox [Vern-aut*aks-hak*-m*iz*]	186	18	30	00	0
Between the AUTUMNal and VERNal Æquinox [Autum-vern*boik-ab-an*]	178	11	19	00	0

The

The METONICK Period was invented by *Meto*, in the Year *before Christ* 430, consisting of 19 Years. [Met*fiz-bou*]

The CALIPPICK Period was invented by *Calippus*, in the Year before *Christ* 330, consisting of 76 Years. [Calip*itz-ois*]

The DIONYSIAN Period was invented by *Dionysius Exiguus*, Ann. Dom. 527. consisting of 532 Years. [Dio*lep-lid*]

The JULIAN Period was invented by Joseph SCALIGER, consisting of 7980 Years. [Júl-scali*pouky*]

The Vulgar Year of *Christ* was in the fourth of the Indiction, the tenth of the Cycle of the Sun, the second of the Cycle of the Moon.

Indic. erat quarto, decimo Sol. Luna secundo.

To find the Year of the Julian *Period, the Years of the other Cycles being given,*

Multiply the Cycle of the *Sun* into 4845 [Sol ín *okol*]
——— The Cycle of the *Moon* into 4200 [Lun*feg*]
——— The INDICTION into 6916 [Indic*snas*]
DIVIDE the PRODUCT by 7980 [Dív-produ*pouky*]
The Remainder is the Year.

The Sunday Letters which begin every Month are generally known by the two *English* Verses,

At Dover *dwells* George Brown, *&c.*

But perhaps they may be more readily remember'd by the following Line, which lays the Reader under no Necessity of counting the Order of the Words, before he can tell which Month they answer to, every Month ending with the Letter which belongs to the first Day of it.

J*a* F*d* M*ád* Aprig May*b* June, Julg Aúc Sef Octa Novéd Def.

MARCH,

MARCH, MAY, JULY, October, have Nones on the 7 Day, and the IDES on 15. [Mar-ma-jul-oc No*p*-id*al*] The reſt (*Cæteri*) on the 5 and 13. [Cæt*l-at*]

APRIL, JUNE, SEPTEMBER and November, have thirty (TRIGINTA) Days. [Ap-jún-ſe-notrigint]

Mar-má-jul-oc No*p*-id*al* Cæt*l-at* Ap-jun-ſe-notrigint.

The Memorial Lines.

Men-ſolar*ty-by-dou* Synod*en-be-ff t* Men-peri*doi-p ot.*
Cyc-lu-min-h*a-doi-ta-ll* (ann*tad)* Trop-min-juli-m*ab.* (*biz.*)
Lun-án*ilo*-h*ei*-m*ok*, Epac*az-da-b*, Sól-an*iſú-l-on.*
Vern-aut*aks*-h*ak*-m*iz* Autum-vern*boík-ab-an.*
Met*fiz-bou* Calip*itz-ois* Dio*lep-lid* Jul-ſcali*pouky.*
Indic. erat quarto, decimo Sol. Luna ſecundo.
Sol in *okol* Lun*feg* Indic*ſnas* div-produ*pouky.*
J*a* F*d* Mad Aprig May*b* June Julg Auc Se*f* Octa Nove*d* De*f.*

PONDERA,

PONDERA, NUMMI, MENSURÆ.

SECT IV.

The Application of this Art to Coins, Weights and Measures.

THE Beginning of the Words is composed of the Initial Letters; thus Atta stands for Attick Talent, Het for Hebrew talent; Ad for Attick drachm; Ald for Alexandrian drachm; Heto for Hebrew talent of Gold; (Het standing for Hebrew talent as before, and O for *Or*, or Gold) Rol for Roman Libra, Den for Denarius, Shek for Shekel, *&c.*

The *Italick* Ending of the Words represents the Number of Pounds, Shillings and Pence, which are separated from each other by *Hyphens*, or else signified by the *Roman* Letters l. s. d. The double Lines denote Equality. Thus Am = dr*ag* = *t-ei-n*, signifies that an Attick Mina, which is equal to 100 Drachms, was

was 3 Pounds 8 Shillings and 9 Pence. The Letters, though ſeparated, are to be pronounced together; as *t-ei n tein.* The Reader is to be reminded here that *re* ſignifies $\frac{1}{2}$, *ro* $\frac{1}{4}$, &c. according to the general Rule, *p.* 5. But *Note*, that inſtead of the Fraction *re*, the Letter *h* is ſometimes uſed for HALF, as *oikbe-h* = 7812 $\frac{1}{2}$ *ſc.* 7812 Pounds 10 Shillings.

TABLE I.

Hebrew, Attick, Babyloniſh, Alexandrian, *and* Roman *Money, from Dr.* Prideaux *and Dr.* Bernard.

	l.	s.	d.
An ATTICK Talent = 60 MINAS [At-ta = MAUZ = *ezáu-su*]	206	05	0
An ATTICK MINA = 100 DRACHMS [A-M = dr*ag* = *t-ei n*]	03	08	9
An HEBREW TALENT = 50 MINAS = 3000 SHEKELS [HÉT = mi*ly* = ſh*íth* = *fuz*]	450	00	0
An HEBREW MINA = 60 SHEKELS [HEM = ſh*auz* = l*ou*]	09	00	0
A BABYLONIAN TALENT [BAT = *eóz-be-s*]	240	12	6
A BABYLONIAN TALENT of GOLD [BATO = *tug*]	3500	00	0
An ATTICK TALENT of GOLD [ATO = *tig*]	3300	00	0
An HEBREW TALENT of GOLD [HETO = *peg*]	7200	00	0
An ATTICK DRACHM [AD = d*ei*,*ro*]	00	00	8$\frac{1}{4}$
An HEBREW DRACHM [HED = d*ou*]	00	00	9
A Roman LIBRA = 96 DENARII [ROL = D*ous* = l*i*]	03	00	0

	l.	s.	d.
*A Roman Talent = 72 Libras = [Róm-ta = lib*oid* = *das*]	216	00	0
An Alexandrian Drachm [Al-drach = s*a*-d*s*]		01	6
An Italick Mina [Ita-mí = l*t*]	3	00	0
A Shekel = 2 Bekas [Shek = Bé*d* = *si*]		03	0
A Roman denarius = 4 Sesterces Ród = *seso* = d*oi*,*re*]		00	7 $\frac{1}{2}$
A Sesterce, $\frac{1}{4}$ of a Denarius, *sc.* LLS. (*vulgo* HS.) *duo Asses cum semisse* [Ses = d*a*-f*i*,*re*] a Penny three Farthings and half Farthing		00	1 $\frac{3}{4}$ *q*
Sestertium, or 1000 sesterces ‡ [*sath* = *p-as t*]	7	16	3
Decem Sestertium, 10000 Sesterces [Ses*byth* = *pei-d-s*]	72	02	6
Decies Sestertium, or 1.000,000 Sesterces [Sester*am* = *oikbe-h*]	7812	10	0

Denarius (7 *d* $\frac{1}{2}$) = 2 Victoriati = 4 Sestertii = 6 Oboli = 10 Libellæ = 20 Sembellæ = 40 Terruncii.

Den (d*oi*,*re*) = Vi*d* = Se*f* = Ob*s* = Líb*az* = Sem*dy* = Terun*fy*.

---

* Others make a Roman Talent = 6000 denarii = 24 Sestertiums = 187 l. 10 s. [Tal = d*auth* = ses*do* = l*aeip-h*] *Kennet's Rom. Antiq.*

‡ Dr. *Arbuthnot* makes the Sesterce a Penny three Farthings, and three Fourths of a Farthing; [Ses = d*a*-f*i*,*tro*] according to which a Sestertium will be 81 l. 1 s. 5 d. $\frac{1}{2}$ [*Sath* = *k-a-l-h*] Decies Sestertium, or 1.000,000 of Sesterces = 8072 l. 18 s. 4d. [Sestám = *kype-sak*-d*o*]

Tal = d*auth* = Sés*do* = l*aeip-h*. *Sath* = *k-a-l-h* Sestám = *kype-sak*-d*o*.

The Memorial Lines.

Atta = M*auz* = *ezáu*-su AM = dr*ag* = *t-ei-n* HÉT = mi*ly* = ſh*íth* = *fuz*.

HEM = ſh*auz* = l*ou* BAT = *eóz-be-s* BATO = *túg* ATO = *tig* HETO = *peg*que.

AD = d*ei,ro* HED = d*ou* ROL = D*ous* = l*i* Róm-ta = lib*oid* = *das*.

Al-drach = s*a*-d*s* Ita-mi = l*t* Shek = Bé*d* = s*i* RÓD = Ses*o* = d*oi,re*.

Ses = d*á*-f*í,re* S*ath* = *p-as-t* Ses*byth* = *pei-d-s* Sester-*am* = *oikbe-h*.

Den (d*oi ,re*) = Vi*d* = Se*f* = Ob*s* = Lib*az* = Sem*dy* = Terun*fy*.

TABLE II.

Measures of Length, &c.

	Eng. Inches	Decimals.
HEBREW Cubit [Heb-cú*da,keik*]	21	,888
GRECIAN Cubit [Gré-cu*bei,bib*]	18	,131
Roman Cubit [Ro-cu*boi,fys*]	17	,406
ATTICK Foot [At-fo*be,zeípu*]	12	,0875
ROMAN Foot [ROMF*ab,ſyſ*]	11	,604

	Eng. Feet.	dec.
ENGLISH MILE [Eng-míl*udeiz*]	5280	
Roman MILE [Ro-mil*óktu*]	4835	
GRECIAN MILE [Gre-mil*ozdoi,l*]	4027	,5
HEBREW MILE [Heb-mil & *oidnu,l*]	7295	,5

An Engliſh MILE = FURLONGS 8 = POLES 320 = YARDS 1760 = FEET 5280 = INCHES 63360 = BARLEY CORNS 190080.

Mil = Fur*k* = P*idz* = Yár*apauz* = F*udeiz* = In*aut-iſy* = B*anz-yeiz*.

An

An Acre = square Feet 43560 [Ac = SFot-*lauz*]
A Rood = Square Feet 10890 [R = *az-kouz*]
A Pole = Square Feet 272 ,25 [Pol = *doid,el*]
Egyptian Aroura = Roods 3 Poles 2 Feet 55 $\frac{1}{4}$.
[Aróu = R*i*-P*e*-F*úl,ro*]
Roman Jugerum = Roods 2. Poles 18. Feet 250 ,05
[Jug = R*é*-P*ak*-F*ély,zu*]
A Yard = 1296 Square Inches [Yar = squ-ín*bens*]
An Acre = 4840 Square Yards [Ac = yar*okoz*]

The Memorial Lines.

Heb-cú*da,keik* Gre-cu*bei,bib* Ro-cu*boi,sys* At-fo*be ,zeipu.*
Rom*Fab,syf* ———
Eng-míl*udeiz* Ro-mil*óktu* Gre-mil*ozdoi,l* Heb-mil & *oidnu,l.*
Mil = Fur*k* = P*idz* = Yár*apauz* = Fu*deiz* = In*aut-isy* = B*anz-yeiz.*
Ac = SF*ot-lauz* R = *az-kouz* Pol = *doid,el* Aróu = R*i*-P*e*-F*ul,ro.*
Jug = R*e*-P*ak*-F*ély,zu* Yar = sq-ín*bens* Ac = yar*okoz* que.

Table III.

Hebrew *and* Roman *Money and Measures; according to Bishop* Cumberland.

	l.	s.	d.
Hebrew Mina [Hem = *p-a-l*]	7	01	05
Hebrew Talent [Het = *tút-ab-az-h*]	353	11	10$\frac{1}{2}$
Golden Darick = 12 Gerahs [Dar = G*ad* = l*a*-d*o*]	1	00	04
Hebrew Talent of Gold [Heto = *uzoil-ba-p-h*]	5075	11	07$\frac{1}{2}$
Shekel [Shek = *sé-do,ro*]		02	04$\frac{1}{4}$
Silver Denarius [Den = d*oi-t*]		00	07$\frac{1}{4}$

ASSARium FARTHING and HALF [Assar = *fah*]
A QUADRANT $\frac{3}{4}$ of a Farthing [Quád = *iro*]
A MITE $\frac{1}{5}$ of a FARTHING [Mit = *rif*]

Measures of Length.

Foot dec.
HEBREW CUBIT = 1 ,824 = 2 SPANS the greater = 3 Spans the less = 6 PALMS or Handsbreadth = 24 DIGITS or Fingers Breadth.

Foot decim.
A SQUARE cubit = 3 ,326976

Heb-cú = *fa*,*kef* = Spanë-*i* = Palm*au* = Digit*ef* Squa-c = *i*,*tés-nois*.

A FATHOM	=	4	Cubits.
A REED	=	6	
A SCHAENUS	=	80	
A STADIUM	=	400	
A MILE	=	4000	
A PARASANG = 3 MILES	=	12000	

Fath = Cu*f* Ree = *s* Schæn = *eiz* Stadi = *og* Mil = *óth* Para = mil*t* = *beth*.

The Memorial Lines.

HEM = *p-a-l* HET = *tút-ab-az-h* DAR = GÁD = la-do HEBTO = *uzoíl-ba-ph*.
Shek = sé-do,*ro* Den = do*i-t* Assar = *fah* Quád = *iro* Mit = *rif*.
Heb-cú = *fa*,*kef* = Spanë-*i* = Palm*au* = Digit*ef* Squa-c = *i*,*tés-nois*.
Fath = Cu*f* Ree = *s* Schæn = *eiz* Stadi = *og* Mil = *óth* Para = mil*t* = *beth*.

TABLE

TABLE IV.

Measures of Capacity.

DRY.

	Pints	*Cub. Inches*
BUSHEL [Bush = pi*so*]	64	00
MEDIMN [Medimno*iz-t*]	70	03
MODIUS [Modi*bau-p*]	16	07
EPHAH [Eph*ub-be*]	51	12
CHOMER [Cho*lat-bei*]	513	18

LIQUID.

BATH [Bath*sy-bu*]	60	15
AMPHORA [Amph*up-caz*]	57	10
METRETES [Metr*eid-an*]	82	19
SEXTARIUS [Sex*a-cu*]	1	05
ΞΕΣΤής [Ξεσα*f*]	1	04

	Cub. Inches.
GALLON of WINE [Gal-vin*eta*]	231
Gallon of ALE [G-ale*deid*] contains	282
Gallon of CORN [Corn-*dauk*]	268

A PINT DRY Measure [Pin-dr*if*,*rid*]	$34\frac{1}{32}$
A PINT LIQUID Measure [Pin-liquid*ék*,*prei*]	$28\frac{7}{8}$

	Gall.	*Pin.*	*Cub. Inc.*
BATH [Báth*p-o-bu*]	7	4	15
CHOMER = 10 BATHS = [Chom-B*az* = *pu-l-p*]	72	5	7
METRETES of SYRIA [Met-syr = P*p*,*rei*]	00	$7\frac{1}{8}$ *of a pint.*	
URCEUS Rom. [Urce = *t-o-l*]	03	4	5
AMPHORA [Amph = *p-a-bz*]	07	1	10

BATH

BATH = SEAhs 3 = HINS 6 = OMERS 10 = CABS 18 = LOGS 72 = COTYLAS 100.

Bath = ſëa*t* = hin*s* = omer*az*: Bath = cabs*ak* = log*pe*que = cotl*ag*.

A LOG was about *ha*lf a *pin*t [Lóg = *ha-pin*]
A HIN a *Gal*lon and *two P*ints [Hin = *gal-twoP*]
A CHOMER about a *Quar*ter = 8 *Bu*shels [Chom = *quar* = *bu*sk]
CAB about $\frac{1}{4}$ of a *Peck* [Cab = ro-*pec*]
EPHah about a *Buſh*el [Eph*buſh*]

COTYLA		10	Ounces (oz.) Averdupois of Rain Water.
OMER	contain'd	100	
EPHah		1000	
CHOMER		10000	

Continet oz. Cotyl*az* omer*ag* eph*áth* cho*byth*. —

ROMAN Meaſures.

CULEUS [Cul = ſex*nauz*] =	960	Sextarii.
MEDIMNUS [Medim*aff*] =	144	
Cadus [C = *oid*]	72	
AMPHORA [Amph = *ok*]	48	
URCEUS [Ur = *do*]	24	
MODIUS [Mod = *as*]	16	
CONGIUS [Con = *s*]	6	

SEXTARIUS =
- 2 HEMINÆ [Sext = hemin*e*]
- 4 QUARTARII = [Quart*af*]
- 8 ACETABULA = [Acet*ak*]
- 12 CYATHI = [Cyáth*be*que]
- 48 COCHLIGULÆ = [Coch*lok*]

The Memorial Lines.

Buſh = pi*ſo* Medimno*iz-t* Modi*bau-p* Eph*ub-be* Cho*lat-bei*.

Bath*ſy-bu*

Bath*sy-bu* Amph*up*-c*az* Metr*eid-an* Sex*a-cu* Ξεsa-*f*.
Gal-vin*eta* G-âle*deid* Corn*dauk* ———
——— Pin-dr*if,rid* Pin-liquid*ek,prei*.

Báth = *p-o-bu* Chom = B*az* = *pu-l-p* Met-syr = P*p,rei* Urce = *t-o-l* Amph = *p-a-bz*.

Bath = sëa*t* = hin*s* = omer*az* : Bath = cabs*ak* = Log*pe*que = Cotl*ag*.

Log = *ha-pin* Hin = *gal-twoP* Chom = *quar* = *bus*k Cab = ro-*pec* Eph*bush*.

Cul = sex*nauz* Medim = *aff* C = *oid* Amph = *ok* Ur = *do* Mod = *as* Con = *s*.

Sext = hemin*e* = Quart*a*f = Acet*ak* = Cyáth*be*que = Cochl*ok*.

TABLE V.

WEIGHTS.

N. *B.* L or Li stands for LIBRA or Pound, OZ for Ounce, Lí-T Pound TROY, L-aver Pound AVERdupois.

	GRAINS TROY.
Pound Troy [Li-T = gr*upauz*]	5760
Pound AVERdupois [L-aver*oízyk*]	7008
Ounce TROY [OZ-tro*fky*]	480
Ounce AVERdupois [OZ-aver*ótei*]	438
DRACHM TROY [Dram-tr*auz*]	60
DRAM AVERdupois [Dram-aver*ep*]	27
SHEKEL [Shek*ebou*]	219
DENARIUS [Denár*se*]	62
ROMAN Ounce [Rom-óz*fik*]	438

Ounce = DRachms 8 [OZ = dr*ei*] a DRAchm = 3 Scruples [Dra = sc*i*] a SCRUPLE = 20 GRAINS [Scru = gr*ez*] An Ounce = 20 PENNY-weight [OZ = pén*ez*] a PENNY Weight = 24 GRAINS [Pen = gr*ef*]

	L.	oz.	gr.
HEbrew TALENT [HET*bat-az-if*]	113	10	34
HEbrew MINA [HEM*e-t-alf*]	2	3	154
ATtick MINA [ATM*ab-beif*]	0	11	184
ATtick TALENT [ATTL*us-ab-ap,ro*]	56	11	17¼

ROMAN Weights.

LIBRA continet	12	UNCIAS	[Líb = un*ad*]
UNCIA	8	DRACHMAS	[Un = drachma*k*]
DRACHMA	3	SCRUPULA	[Drach = ſcru*t*]
SCRUPULUM	2	OBOLOS	Scr = obol*e* = Si-
	6	SILIQUAS	liqua*s* = Gr*ef*]
	24	GRANA	

		Grana.
LIBRA [Lib = gra*ſnad*]	continet	6912
UNCIA [Unc*lois*]		576
DRACHMA [Drachm*oid*]		72
SCRUPULUM [Scrupul*ef*]		24
OBOLUS [Obol*ad*]		12
SILIQUA [Sil*f*]		4

LIBRA λίτρα, SCRUPULUM γράμμα.
SILIQUA κεράτιον, GRANUM σίλιον.
——— λιτ, Scrupγραμ Síλκερα granσιτ.

Diviſio Aſſis.

	Unc.		*Unc.*
ASS =	12	SEMIS	6
DEUNX	11	QUINCUNX	5
DEXTANS	10	TRIENS	4
DODRANS	9	QUADRANS	3
BES	8	SEXTANS	2
SEPTUNX	7	UNCIA	1

As = dëu-dex dod-bes ſeptún-ſemi quin-tri-qua ſext-unc.

N. B.

N. B. As the *Aſs* was divided into *Unciæ*, ſo was the *Sextarius*, or the ſixth Part of the *Congius*, into *Cyathi*.

The Memorial Lines.

Lit = gru*pauz* L-aver*oizyk* Oz-tro*fky* Oz-aver*otei*.
Dram-tr*auz* Dram-aver*ep* Shek*ebou* Denar*ſe* Rom-oz*fik*.
Oz = dr*ei* Drá = ſc*i* Scru = gr*ez* : Oz = pen-*ez* Pen = gr*ef*.
Het*bat-az-if* Hem*e-t-alf* Atm*ab-beif* At-tl*us-ab-ap*,*ro*.
Lib = un*ad* Un = drachma*k* Drac = ſcru*t* Scr = obol*e* = ſiliquá*s* = gr*ef*.
Lib = gra*ſnad* Unc-*lois* Drachm-*oid* Scrupul-*ef* O-bol-*ad* Sil-*f*.
——— λιτ Scrupγραμμ Silκερα Granσιτ.
As-dëu-dex dod-bes ſeptun-ſemi quin-tri-qua ſext-unc.

MISCELLANEA.

SECT. V.

The Proportion of the Diameter to the Circumference of a Circle; The Area of a Circle and Ellipsis; The Surface and Solidity of a Sphere.

Diameter : Periphery : : 7 : 22. [Di : peri : : *p* : *ed*] or : : 113 : 355. or more exactly the Diameter : periphery : : 10.000,000 : 31.415,929.

Di : peri : : *p* : *ed* : : *bat* : *ilu* : Dia : priph : : *az*míl : *ta-fal-oudou.*

According to *Van Ceulen*, who carried the Proportion to six and thirty Figures, which in Memory of so laborious a Work, were engraven upon his Tomb at St. *Peter*'s in *Leyden*; the Diameter : Periphery : : 2 :

Quintil.	Quadr.	Tril.	Bil.	Mil.	Un.
6 ,28,318.	530,717.	958,647.	692,528.	676,655.	930,576.
s ,ektak	*uïz-pap*	*nuk-sóp*	*sne-lek*	*aups-sul*	*ouïz-lois.*

The

The Diameter multiplied by 3 ,1416 gives the Periphery [Diperi,*bobs* dat priph] Consequently the Periphery divided by 3 ,1416 gives the Diameter.

The Area of a Circle is given by multiplying the Square of the Diameter into 0 ,7854.

Datur Area Squad per *y,peilo.*

The Area likewise is given by multiplying the fourth Part of the Diameter into the Periphery. [Ar = $\overline{\text{ródi} \times \text{pe}}$]

The Area of an Ellipsis is given by multiplying the Rectangle of the Transverse and Conjugate Diameters into 0 ,7854.

Area fit Ellips. Dia-tran-con duct. in *y,peilo.*

The Surface of a Sphere is given by multiplying the Periphery into the Diameter [Surf = $\overline{\text{pe} \times \text{D}}$]

The Surface of a Sphere is also given by multiplying the Area of its largest Circle into 4. [Surf = $\overline{\text{áre} \times o}$]

The Solidity of a Sphere is given by multiplying $\frac{1}{3}$ of the Radius into the Surface. [Sól-sphe = $\overline{\textit{ri}\text{rad} \times \text{sur}}$]

The Memorial Lines.

Di : peri : : *p* : *ed* : : *bat* : *ilu.* Dia : priph : : *az*míl : *ta-fal-oudou.*

: *s,ektak uiz-pap nuk-sóp sne-lek aúp-sul ouïz-lois.*

Diperi,*bobs* dat Priph. datur Area squad per *y,peilo.*

Area fit Ellips. Dia-tran-con duct. in *y,peilo.*

Ar = $\overline{\textit{,ro}\text{di} \times \text{pe}}$ Surf = $\overline{\text{pe} \times \text{D}}$ Surf = $\overline{\text{áre} \times o}$ Sol-sphe- $\overline{\textit{,ri}\text{rad} \times \text{sur}}$.

The Quantity of Vapours raiſed out of the Sea, eſtimated by Dr. Halley. *Vide* Miſcel. Curioſ. *Vol.* I.

The MEDiterranean, ſuppoſed to be equal to 160 Square DEGrees, is computed to yield in Vapour *per Diem* 5280 MILlions of TONs [Med = dég*bauz* = *lék*ymilT]

The THAMES is computed to carry down in a Day, *ſc.* 24 Hours, into the Sea 20.300.000 TONS [Tham = *ez-ígth*ton]

The Rivers (FLUVii) which run into the MEDiterranean are computed to carry 1827.000,000 Tons, which is little more than a $\frac{1}{3}$ of what is raiſed in Vapour [Fluv-med = *akép*milT]

The Computations are made thus:

By Experiment it appears, that each SQUARE FOOT of the Surface of Water yields in VAPOUR *per Diem* HALF a PINT [SquaF = ha-pin]

Each Space of four Foot Square (= 16 SQUARE FEET) yields a GALlon [*as*ſquaF = gal]

A MILE Square 6914 TONS [Mil*ſnaf*ton]

A Square DEGree (of 69 *Engliſh* Miles) 33.000,000 Tons [Dég (mi*ſou*) *tim*ton]

The *Mediterranean* = 160 Degrees = 5280.000,000 Tons as above.

SquaF = hapin *as*ſquaF = gal Mil = *ſnaf*ton Dég (mi*ſou*) *tim*ton.

The Quantity of Water the Mediterranean *receives from the Rivers that fall into it, is eſtimated thus:*

The moſt conſiderable Rivers that run into the *Mediterranean* are the EBRO, the RHONE, the TIber,

ber, the Po, the NILE, the DON or *Tanais*, the NIESTER, the NIEPER or *Boryſthenes*. Each of theſe is ſuppoſed to carry down ten Times as much Water as the *Thames*: Not that any of them is ſo great, but ſo to allow for the ſmall Rivers that run into that Sea. Now the Water of the THAMES being computed at about 20.300,000 Tons as above, the nine Rivers aforeſaid each will amount to 203.000,000; in all 1827.000,000 TONS.

Thám=*ez-igth*T Ib-rho-ti-po Nil-don Nieſt-nieper-*akep*milT.

The Water of the Thames *is computed thus:*

'Tis ſuppoſed to run at *Kingſton* Bridge, where the Tide reaches not, at the Rate of two Miles an Hour, which is 48 Miles in 24 Hours; 48 MILES are equal to 84,480 Yards. [Mi*fk* = ya*ko-feiz*] which being multiplied by 300 YARDS, (the PROFILE of Water at KINGSTON Bridge, where 'tis ſuppoſed to be 100 Yards broad and 3 deep) produces 25.344,000 Cubick yards of Water [Ya*ko-feiz* per *ig* = Y*él-tfoth*] which are equal to 20.000,000 Tons. [= *ez-igth*ton]

Mi*fk* = Yâ*kofeiz* (Kin-pr*ig*) Ya*ko-feíz* per *ig* = Y*él-tfoth* = *ez-igth*ton.

The Velocity of Sound, Light, &c.

A Cannon Bullet, (GLOBUS tormento bellico emiſſus) in a SECOND, moves 204 Yards [In-ſec Glob-yar*ezo*]

Light (LUMEN) in a Second moves 200,000 MILES [Lu-mil*egth*]

Sound (SONUS) moves in a Second 1142 Feet (PEDES) [Son-ped-movet*abfe*]

A Cannon Bullet moves a MILE in 17 HALF SECONDS. [Glob-m-*áp*ha-ſec]

SOUND

SOUND moves a Mile in 9 half Seconds $\frac{1}{4}$. [Son*n,ro*]

A Cannon Bullet would be in moving to the Sun (AD SOLEM) 32 Years $\frac{1}{2}$. [Ad-ſol-glob = án-*te,re*]

Sound would be in moving to the Sun 17 Years. [Son*ap*]

The Deſcent of heavy Bodies [DESCENSUS GRAVIUM) is 16 FEET $\frac{1}{12}$ or an Inch in a SECOND [Deſ-gravi-ſec = F*as,rad*] And in more Seconds as the Squares of thoſe Times.

A PENDULUM of 39 INCHES, 2 Tenths (Pendulum in*tou,d*) OSCILLATES or VIBRATES SECONDS. [Oſcil-ſec Pendulum in*tou,d*]

In-ſec glob-yar*ezo* Lu-mil*egth* Son-ped-movet*abſe*.
Glob-m-*áp*ha-ſec Son*n,ro* Ad-ſol-glob = án*te,re*.
Des-gravi-ſec = F*as,rad* Oſcil-ſec Pendulum in*tou,d*.

The JEWISH Months.

NISAN or ABIB	* *March*
ZIF or JAIR	*April*
SIVAN	*May*
THAMUZ	*June*
AB	*July*
ELUL	*August*
TIZRI or ETHENIM	*September*
BUL or MERCHESVAN	*October*
CHISLEU	*November*
THEBETH	*December*
SHEBETH	*January*
ADAR or VEADAR	*February*

Nis-A*mar* & Zif-J*ap* Si*ma* Thám*jun* Ab*jul* Elúl*aug*.
Tizr-Ethe*ſep* Bul-M*oc* ChiſleuN The*de* Sheb*jan* & Ad*feb*.

The

* *i. e.* Part of *March* and Part of *April*, and ſo of the reſt.

The GRECIAN Months.

ΕΚατομβαιὼν	*Jun*e
ΜΕΤΑΓΕΙτνιὼν	*July*
ΒΟΗΔΡαμιὼν	*Aug*uſt
ΜΑΙμακτηριὼν	September
ΠΥΑΝεψιὼν	October
ΠΟΣειδεὼν	*Nov*ember
ΓΑΜηλιὼν	*Decem*ber
ΑΝΘΕΣτηριὼν	*Jan*uary
ΕΛΑΦηβολιὼν	*Feb*ruary
ΜΟΥνυχιὼν	*M*arch
ΘΑΡΓΗΛιὼν	*A*pril
ΣΚΙΡροφοριὼν	*May*

Hec*ju* Metageí*jul* Boedr*aug* Mai*S* Púan*O* Poſ*nov.* Gam*decem* Anthes*jan* Ela*feb* Mou*M* Thargel*A* Skir*ma.*

Note. That the *Athenians* began their Year from the New Moon, whoſe Full was next after the Summer Solſtice, which was at firſt reckon'd to be upon the 8th of *July*, after on the 27th of *June. Vid.* Bev. *Chron. Inſt.* Lib. I. *Cap.* 12.

The Temple of the Eight Winds, mention'd in Dr. Potter's Archæologia Græca.

Ευρος	Eurus	south eaſt.
Απηλιώτης	Subſolanus	eaſt.
Καικίας	Caecias	north eaſt.
Βορέας	Boreas	north.
ΣΚΙρον	Corus	north weſt.

Ζέφυρος

Ζέφυρος	Occidens	weſt.
Νότος	Notus	south.
Λίψ	Africus	South weſt.

Cæcine Ski-córNow. Eûse A-af-Sow. Bórn Ape Nots Zoc.

According to Aulus Gellius *the Winds are thus diſtinguiſh'd.*

Septentrio.	Ἀπαρκτίας	North.
Eurus	Subſolanus	Eaſt.
Auſter	Notus	South.
Favonius	Zephyrus	Weſt.
Boreas	Aquilo	North Weſt.
Vulturnus	Euronotus	South Eaſt.
Caurus	Ἀργεστὴς	North Weſt.
Africus	Libs	South Weſt.

ROMAN MILITIA.

A LEGION	=	10 Cohorts
A COHORT	=	3 MANIPULI.
A MANIPULUS	=	2 ORDINES.
A TURMA	=	3 DECURIOS.

10 TURMÆ were the *Juſtus Equitatus*, or Horſe belonging to a LEGION.

Legí = co*az* Coho = man*t* Manip = or*d* Turm = décur*i* T*az*-le.

The Ten Perſecutions under

NERO, DOMITIAN, NERVA, ANTONINUS PIUS, SEVERUS, MAXIMIN, DECIUS, Valerian, Aurelian, DIOCLESIAN. [Ne-D-N-AP Sev-má-de V-au-D]

The

The Electors of GERMANY.

The Bishops of MENTZ, TRIERS and COLOGN, Elector Palatine of the RHINE, the King of BOHEMIA, the Electors of BAVARIA, SAXONY, BRANLENBURG. The Elector of HANOVER was ADDED, *Anno Dom.* 1693.

Men-trí-co-rhin Bohe-bav Sax-branden. Hanover ad *sout.*

The Quinquarticular Controversy, concerning,

1. PREDESTINATION. 2. Free-Will (LIBERUM Arbitrium.) 3. The Force of divine Assistance (AUXILIUM.) 4. PERSEVERANCE. 5. The Extent of REDEMPTION.

The *Calvinian* Doctrine upon these Points, handed from *Geneva* by the *English* Refugees, and propagated by CARTWRIGHT in the *Margaret* Professor's Chair at *Cambridge*, was at a Consultation of several Prelates and Divines at *Lambeth* digested into 9 Articles, commonly called the LAMBETH ARTICLES, and agreed upon Nov. 10. 1595. [N*az-aloul*] but by Order of Queen *Elizabeth* were immediately recall'd and suppress'd.

Cart-Lamb-art N*az-aloul* Predés-Liber-Auxili-Pers-Red.

The seven Precepts of the Sons of Noah *are recorded by the* Jewish *Doctors under the following Titles.*

I. To worship the true God. [CULTUS *divinus*]
II. To renounce IDOLATRY.
III. To commit no Murder. [CAEDES]

IV. Not to be defiled with Fornication, *&c.* [STUPRUM]

V. To avoid all Rapine, Theft, *&c.* [FURTUM]

VI. To adminiſter Juſtice. [JUSTITIA]

VII. Not to eat the Fleſh with the Blood [SANGUIS]

Such Gentiles as were admitted to the Worſhip of the God of *Iſrael*, and the Hope of a Future Life, but were not circumciſed, nor yet conformed to the Moſaical Rites, being only oblig'd to the Obſervation of the foregoing Precepts were call'd Proſelytes of the GATES, in Oppoſition to the Proſelytes of Righteouſneſs, or of the Covenant, who differ'd nothing from the *Jews*, but that they were of *Gentile* Race. *Vid.* Lewis *Heb. Antiq.*

Cultus & Idólat Cæd-ſtup-furt Júſtiti-ſanguis.

Miſnah, Gemarah, Talmud.

The MISNAH in 6 Books [Miſna-BS] contained 63 TRACTS [Tr*aut*] into which the Traditions or Oral Law of the *Jews* were methodically digeſted by *Rabbi Judah* HAKKADOSH in the Time of ANTONINUS PIUS [Hakad-ANP] As ſoon as it was publiſhed, it became the Subject of the Study of all their learned Men, and the chiefeſt of them both in *Judæa* and *Babylonia* employed themſelves to make Comments upon it; and theſe with the *Miſnah* make up both their *Talmuds*, i. e. the *Jeruſalem Talmud*, and the *Babyloniſh Talmud*. Theſe Comments are called the GEMARah or Complement, the MISHNAH the Text; both together the TALMUD. [Tal = miſ-gema] The JERUSALEM TALMUD was completed about *A. D.* 300. [Tál-jer*ig*] The BABYLONISH TALMUD about 500, or in the Beginning

Beginning of the Sixth Century. [Tal-B*ug*] This latter is only in Esteem amongst the *Jews*. *Vid.* Prid. *Connect.* p. 328.

Misna-Bs Tr*aut* Hakad-Anp Tal = míſ-gema Tál-jer*ig* Tal-B*ug*.

The Ages of Christianity as distinguished by Dr. Cave, *according to what was most remarkable in each Century.*

Cent.	I.	Sæculum	Apostolicum
Cent.	II.	Sæculum	Gnosticum
Cent.	III.	Sæculum	Novatianum
Cent.	IV.	Sæculum	Arianum
Cent.	V.	Sæculum	Nestorianum
Cent.	VI.	Sæculum	Eutychianum
Cent.	VII.	Sæculum	Monotheliticum
Cent.	VIII.	Sæculum	Eiconiclasticum
Cent.	IX.	Sæculum	Photianum
Cent.	X.	Sæculum	Obscurum
Cent.	XI.	Sæculum	Hildebrandinum
Cent.	XII.	Sæculum	Waldense
Cent.	XIII.	Sæculum	Scholasticum
Cent.	XIV.	Sæculum	Wicklevianum
Cent.	XV.	Sæculum	Synodale
Cent.	XVI.	Sæculum	Reformatum.

Ap-g-nov Ari-nest-eut Monoth-eic-phot-ob Híl-wa-scho wick-sy-r.

The Division of the Roman *Empire out of the Book call'd* Notitia Imperii, *said to be written about the Time of* Arcadius *and* Honorius.

The whole Empire is divided into 13 Dioceses under 4 Praefecti Prætorio, and about 120 Pro-

vinces contain'd in them [Præ*f* = di*bi* = pr*adz*.

1. The Præfectus Prætorio ORientis, and under him five Diocefes, *viz*. the ORiental, AEgyptian, Afiatick, Pontick and THracian Diocefes. [Or = E-ás-po-th]

2. The *Præfectus Prætorio* of ILLyricum, and under him two Diocefes, *viz*. MAcedonia and DAcia. [Ill = ma-D]

3. The *Præfectus Prætorio* of ITaly, and under him three Diocefes, *viz*. ITaly, ILlyricum, and AFrica. [It = ít-il-af]

4. The *Præfectus Prætorio Galliarum*, and under him three Diocefes, *viz*. HIspania, GAllia, BRitannia. [Hif-ga-B]

Præf = di*bi* = pr*adz* Ill = ma-D Or = E-ás-po-th
It = ít-il-af Hif-ga-B.

The Dimenfions of the Ark and Temple.

The Length (Longitudo) of the ARK 300 CUBits. [Ark-lo-cub*ig*] The BReadth 50 Cubits. The Height (ALtitudo) 30 Cubits. [Br-*uz*-al-*iz*]

The Length of the Houfe which K. *Solomon* built for the Lord was 60 Cubits: The BReadth thereof 20 Cubits, and the Height thereof 30 Cubits, 1 *Kings* 6. 2. [Tem-lón*fy*-br*ez*-al*ty*] The Length of the PORch 20 Cubits, the Height thereof 120 Cubits, 2 *Chron*. 3. 4. [Por-*ez*-*bez*]

Ark-lo-cub*ig*-br*uz*-al*iz*. Temp-lón*fy* br*ez*-al*ty* Por-*ez*-*bez*]

Compu-

Computation of the Coſt, Veſſels, Veſtments, &c. *of* Solomon's *Temple.*

By *Villalpandus* Computation of the Number of TALents of Gold, Silver and Braſs, laid out upon the TEMPLE, the Sum amounts to 6904.822,500 *l.* Sterling. [Tal-tem = *ſouzo-ked-ug*] And the Jewels are reckon'd to exceed this Sum.

Veſſels of Gold (VASA AUREA) conſecrated to the Uſe of the Temple, are reckon'd by *Joſephus* 140,000. [Vaſ-aurea*bózth*] Which, according to *Capel*'s Reduction of the Talents contain'd in them, amounts to 545.296,203 Pounds Sterling. [*lol-enáu-dyt*]

The Veſſels of Silver (VASA ARgentea) 1.340,000 [Vas-ár *atozth*] are computed at 439.344,000. [*fin-tofth*]

Prieſts Veſtments of Silk (VESTES SERICÆ) 10000. [Veſt-ſeric*azth*]

PURPLE Veſtments for Singers 2.000,000. [P*em*] TRUMPETS 200,000 [Tr*egth*] Other Muſical INSTRUMENTS 40,000. [Inſtr*oz*]

Beſides theſe Charges there was that of the other Materials, and of 10,000 Men *per* Month in *Lebanon* to hew down Timber (SYLVICIDÆ) [Sylvicid*az*] To carry Burthens (VECTORES) 70,000. [Vect*oiz*] To hew Stones (LAPICIDINÆ) 80,000. [Lapi*ky*] and 33,00 Overſeers (EPISCOPI) [Epiſcop*tig*] who were all employed for 7 Years (ANNIS SEPTEM) To whom, beſides their Wages and Diet, *Solomon* gave a free Gift 6.733,977 Pounds. (DONUM SOLOMONIS) [*s-paut-noip*] The Treaſure left by *David* towards carrying on this Work (RELIQUIT DAVID) 911.416,207. [*nab-oás-dyp*]

N. B. th is left out, as Sylvicid*az* for Sylvicid*azth*,

d*azth*, &c. it being impoſſible to miſtake 10,000 for 10.

Tal-tem = *ſouzo-ked-ug* Vas-aurea-*bózth* = *lol-enau-dyt.*

Vas-ar*atozth* = *fin-tofth* Tre*g* Inſtro*z* veſt-ſeric*áz* P*em.*

An-ſept Sylvicid*az* Lapi*ky* Vec*toiz* Epiſcop*tig.*

Don Solomo *ſ-paut-noip* reliquit Dav-*nab-oâs-dyp.*

The Number of thoſe that returned (REDUCES) from the Captivity were 42,360 [Redú*fe-tauz*] beſides PROSELYTES 7337. [Proſel*oitip*]

The particular Sums in Ezra's Catalogue amount to 29,828. [Cat-é*zdou-kek*]

The particular Sums in NEHEMIAH's CATALOGUE 31,031. [Cat-nehe*tazib*] How theſe Accounts are reconcil'd, *Vide* the Index to the *Bible.*

Redu-*fetaus* Proſel*oitip* Cat-ez*dou-kek* Cat-nehe-*ta-zib.*

I ſhall conclude with two Lines, juſt to ſhew how by this Method may be remember'd the Year and Chapter of any particular Statute. Thoſe to whom a Hint of this Nature may perhaps be thought uſeful, are beſt capable of applying and improving it as they ſhall ſee Occaſion.

An Act for Prevention of FRAUDS and Perjuries, 29 CAROL. II. c. 3. [Fraud-Carol*en-t*]

An Act againſt Abuſes in Preſentation to Benefices (SIMONY) 31 ELIZ. c. 6. [Sim-El*ib-s*]

The Bill for Firſt Fruits (PRIMITIÆ) 26 Hen. VIII. c. 3. [Primit-H*es-t*]

An Act for the Diſſolution of the MONASTERIES.
The leſſer 27 H.VIII. c. 28. } [Monáſt-H*ep.ek-it.ba.*]
The greater 31 H.VIII.c.11 }

Fraud-Carol*en.t* Sim-El*ib.s.* Primit-H*es.t* Monaſt-H*ep.ek-it.ba.*

To

To remember the ſeveral Statutes relating to the ſame Subject muſt needs be more difficult, as there is but one leading Syllable for the whole Line; but may be done in the following Manner.

Some of the principal Acts which relate to the Poor (PAUPERES) are 43 ELIZ. c. 2. 13 and 14 Car. II. c. 12. 3 and 4 William and MARY, c. 81. 8 and 9 WILL. III. c. 30. 9 and 10 WILL. III. c. 11. 12 ANN. c. 18.

Paup-El*ot.e* Car*at,ad* Wi-MT*,eib* Wil*k,iz.n,ab.* An-*ad.bei.*

FINIS.

In° Trevanion

In° Trevanion