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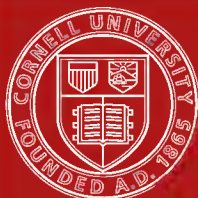
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THE DANBY GATEWAY, PHYSIC GARDEN, OXFORD

**AN ACCOUNT OF THE
MORISONIAN HERBARIUM**

in the possession of the
University of Oxford

together with

**Biographical and Critical Sketches of Morison
and the two Bobarts and their Works
and the Early History of the
Physic Garden
1619-1720**

by

S. H. VINES, M.A., F.R.S.

Sherardian Professor of Botany in the University

and

G. CLARIDGE DRUCE, Hon. M.A.

Curator of the Fielding Herbarium

Oxford

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COMPANION VOLUME BY THE SAME AUTHORS

THE DILLENIAN HERBARIA

An Account of the Dillenian Collections in the Herbarium of the University of Oxford, together with a biographical sketch of Dillenius, &c. 1907.

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INTRODUCTION

THE description of the botanical collections of the University of Oxford, which was begun with the volume on the herbaria of Dillenius published in 1907, is here continued with an account of the still more ancient herbarium of Morison, who was the first Professor of Botany in the University (1669-83), and of Jacob Bobart the younger. It would be altogether incomplete without some notice of the distinguished men who formed it; or without some reference to the early history of the Garden with which the herbarium is intimately associated.

THE PHYSIC GARDEN.

The first suggestion of the formation of such a garden is the following entry in Anthony Wood's *History and Antiquities of the University of Oxford* (ed. Gutch, 1796), vol. ii, *Annals*, p. 335:

An. { Dom. 1620.
 { 18 Jacobi.

Saville's Benefaction being in a manner settled, motions were made for the founding of a Natural Philosophy Lecture, as also a Garden for Physical Simples. Which being kindly embraced by the University, care was taken for their settlement soon after, as it shall be elsewhere showed.

Indefinite though this statement is, effective means must have been taken to realize the suggestion as regards the Garden, for in the following year a founder was forthcoming in the person of Henry Lord Danvers, who in his youth had been at Christ Church, and had subsequently served with distinction in both the army and the navy. Probably the idea commended itself to him because he had seen academic Physic Gardens in the course of his travels abroad; and he put it into execution when he was residing at Cornbury Park as Ranger of the Royal Forest of Wychwood. He secured a plot of land, about five acres in extent, which formed part of what was known in early times as 'Paris Meade'. Wood (*Survey of the Antiquities of the*

City of Oxford, composed in 1661-6: ed. Clark, vol. i, p. 291) gives the history of it thus :

When wee are arrived over this bridge wee have the phisick garden on the left hand, sometime the cemetary of the Jews of Oxon, as I have in S. John's Hospitall shewed. But after their expulsion from this nation [1290] it came to S^t John Baptist's Hospitall adjoining, who employed it as a churchyard to bury their dead. But that Hospitall being dissolved and turned into Magdalen College, ceased from that use and was employed as a plot of greenoard or meadow ground by a tenant of the College there living.

Though the oldest of its kind in Britain, the Oxford Physic Garden is not nearly the oldest in Europe: it was preceded by those of Padua (1545), Pisa (1547), Bologna (1567), Leiden (1577), and Montpellier (1598).

It is a singular fact that the true date of the foundation of the Oxford Garden has not been given in any of the very numerous books which refer, directly or indirectly, to its history. Pulteney, whom all subsequent writers have followed, seems to have been the first (*Progress of Botany*, 1790, vol. i, p. 165) to assign it to the year 1632, an error due, no doubt, to the inscription upon the great gate of the Garden. It is perhaps even more singular that Anthony Wood, who tells the story of the foundation of the Garden in his *History and Antiquities of the University of Oxford* (ed. Gutch, 1796, vol. ii, part 2, p. 896) should also have made a mistake in the date which he gives as 1622; this may possibly be a misprint for 1632, or it may be the result of faulty computation of July in the nineteenth year of the reign of King James I, which was not 1622 but 1621. Wood's account is as follows :

Botanic Lecturs.

The next Lecture that must be mentioned is that of Botaniccy: but before I speak anything of its institution and settlement, I think it convenient that somewhat should be said of the Physic Garden, because 'twas primarily founded for a Nursery of Simples, and that a Professor of Botaniccy should read there, and shew the use and virtue of them to his Auditors.

Henry Lord Danvers therefore, Baron of Dauntsey in the County of Wilts and Earl of Danby in Yorkshire, sometime a Gent. Com. of Christ Church, being minded to become a Benefactor to the University, thought that his money could not be better laid out than to begin and finish a place whereby learning, especially the Faculty of Medicine, might be improved. At length selecting a place without the East Gate of Oxford,



Henry Danvers Earl of Danby

From an Original by Van Dyck.

near the river Cherwell, which was then meadow ground, and had in ancient times been a Cemetery for the Jews of Oxon, gave to the University 250*l.* to make a purchase of it. Upon the receipt of it they bought out the present possessor thereof, Mar. 27, 19 Jac. Dom. 1622; and not long after the University took a lease of the said ground from Magdalen College (for to them it did belong) in their own name, July 28 following, by paying yearly for it 40*s.* Afterward much soil being conveyed thither for the raising of the ground to prevent the overflowing of the waters, the first stone of the fabric was laid on the day of S^t James the Apostle [July 25] an. 1622, after this manner:—About two of the clock in the afternoon, the Vicechancellor with certain Heads, Doctors, and both the Proctors, went solemnly from S^t Mary's Church to that place; where being settled, M^r Edward Dawson, a Physician of Broadgates, spoke an elegant Oration; which being done, D^r Clayton, the King's Professor of Medicine, spake another. Afterward the Vicechancellor laid the first stone with the offering of money thereon, according to the ancient custom; then several Doctors and both the Proctors; which being done, the Vicechancellor concluded with a brief Oration.

Afterward the said Earl proceeding in building and encompassing it with a stately free-stone wall; which being almost finished, set up in front thereof, next to the East Bridge, a comely Gatehouse of polisht stone; on which for the perpetuation of his name, he caused this Inscription to be engraven on the out and inside thereof:

GLORIAE DEI OPT. MAX.
HONORI CAROLI REGIS
IN USUM ACAD. ET REIPUB.
HENRICUS COMES DANBY D.D. MDCXXXII.

In the year 1633 all the wall being finisht, and soon after the floor raised, which cost the Earl 5000*l.* and more, he caused to be planted therein divers simples for the advancement of the Faculty of Medicine. All which and several hundred more may now compare with any in the kingdom or elsewhere.

In confirmation of his statements, Wood refers to Reg. N (*fol.* 105 *b*, 106, 122) which is the twenty-third volume of the *Acta Convocat. Univ. Oxon.*, and covers the period 1615–1628, preserved in the Archives of the University. Verification of the references leads at once to the detection of the inaccuracy in the date. The official record states (*f.* 105 *b*) that the announcement of the gift of 250*l.* to the University by Lord Danvers and of the purchase therewith of the interest of the tenant, one Humfrey Ellis, in the piece of land in question, was made by the Vice-Chancellor in a Convocation holden on April 11, 1621; and that thanks were voted to Lord Danvers for his munificence. It is to be noted that the founder is spoken of as 'Lord Danvers', for it

was not until 1626 that he was created Earl of Danby. The record continues (*f.* 106) with a copy, in English, of the transfer of the lease by Humfrey Ellis to the 'Chauncellor masters and schollers of the Universitie of Oxford', which is dated 'the 27th day of March . . . in the yeare of the raigne of our Sovereigne Lord James of England France and Ireland Kinge defendor of the faith &c. the 19th and of Scotland the 54th Anno Domini 1621'. It is further stated (*f.* 106 *b*) that, in a Convocation holden on April 20 of the same year, Delegates were appointed to superintend the work upon the Garden :

Deinde Procuratores nominabant hos egregios viros Delegatos ad deliberandum de fundo inolescendo pro horto publico, de muris, de area, de portis, de forma et figura, de aquaeductu, pretio cum operariis pro opere perficiendo aliisque necessariis ad hoc opus spectantibus, videlicet

	Kettle	Clayton	Briggs	Westly
D	Wilkinson	D Rawleigh	M Wilmott	M Beard
	Chaloner	Hawley	M Chambers	M Clapton
	Johnson		Burton	

una cum vicecancellario et procuratoribus, vel majorem partem horum, cum relatione ad honoratissimum horti fundatorem et approbatione ejusdem.

Finally, the minutes of a Convocation holden on August 1, 1621, record (*f.* 122) the reading of the indenture whereby the President [William Langton] and Scholars of Magdalen College leased the land in question directly to the University for the purposes of a Physic Garden (*Communis hortus medicinalis*); and it is added that, on the following day, the document was sealed on behalf of the University.

A summary of the foregoing records is given by Brian Twyne in his *Collectanea*, vol. 6, p. 286 (in the Archives of the University) under the heading *A Viewe of the Universitie's Endowements & Mortmaines, &c.* It is there stated that the deed of assignment of the lease of the land to the University by Humfrey Ellis 'beareth date 27 of March Jacobi Regis 19, 1621'; and the first direct lease to the University is described as 'from ye colledge in their owne names, bearinge date 28 July Jacobi Regis 19'.

There can be no doubt, therefore, that the transfer of the land to the University, which was essentially the founding of the Garden, was effected in 1621 and not in 1622. But it is possible that Anthony Wood may have regarded the laying of the first stone of the wall as the real starting-point; and this event he appears, from the account of it already quoted, to have assigned to the year 1622. But this is

not in accordance with the record of Brian Twyne which gives (vol. 21, p. 838) the date of it as July 25, 1621, and briefly describes it as follows :

Upon S^t James his day in ye afternoone about 2 of ye cloke, D^r Peirce the Vicechanc: of Oxon. with ye 2 proctors and most of ye D^{rs} of ye University, solemnized ye layinge of ye first stone of ye Physicke Garden. M^r Dawson a phisitian of Broadgates made a speech, and then D^r Clayton another, and last of all ye Vice chancellor.

The evidence here adduced suffices to establish the fact that the Physic Garden of the University of Oxford dates from the year 1621. The date 1632 inscribed upon the gateway, commemorates not the beginning but the completion of the buildings, which were erected according to the designs of Inigo Jones.

The Garden is mentioned in the laudatory notices prefixed to John Parkinson's *Theatrum Botanicum* (1640): for instance, Dr. Thos. Clayton, then Regius Professor of Physic, describes it as

a specious illustrious physicke garden . . . now in levelling and planting, with the charges and expenses of thousands by the many wayes Honourable Earl of Danby

The best early description of it, however, is the following given by Thomas Baskerville in his *Account of Oxford* (c. 1670-1700) which is contained in the fourth series of *Collectanea* (p. 187) issued by the Oxford Historical Society (1905):—

As to y^e Phisick Garden & its Rarities of that nature, since it stands on ground lately purchased from Magdalen Colledge, it may now justly challenge a remembrance, & that you may have a true character of its work & beauty tako here an account of 't from him y^e now keeps it, the skilfull and Ingenious Gardener himsolfe, my friend M^r Jacob Bobert.

Amongst y^e severall famous structures & curiosities wherewith y^e flourishing University of Oxford is enriched, that of ye Publick Phisick Garden deserues not y^e last place, being a matter of great use & ornament, prouving serviceable not only to all Physitians, Apothecaries, and those who are more imēdiately concerned in the practise of Physick, but to persons of all qualities seruing to help y^e diseased and for y^e delight & pleasure of those of perfect health, containing therein 3000 seuerall sorts of plants for y^e honor of our nation and Universitie and service of y^e Coṃonwealth. This noble thing was y^e Benefaction of y^e Right Honourable Henry, Earle of Danby, who then liued at his house at Cornebury, who, purchasing a most convenient plot of ground of 5 acres of Magdalen Colledge land thereto adjoining, being aptly watered wth y^e Riuer Charwell by it gliding, and built thereon a most stately wall of hewen

stone 14 foot high with 3 very considerable Gates thereto, one whereof was to the cost of at least 500 pounds, wch worthy work was all finished in y^e yeare 1632. And endowed the same with the Parsonage impropriate of Kirkdale in the County of York, to remain for perpetuities.

This Garden Plot is not exactly square, for y^e walkes East and West are about 120 of my paces or strides wch are more than a yard, but North & South I trod out but 106 & 112 yards with y^e length of y^e North Gate wch is extended wthout y^e square of y^e wall. Here is a door-way lately broke through the middle of y^e South Wall, but the gates spoken of by M^r Bobart are in the East West & Northerne sides, that in the North Wall wch admits entrance from the City being fairest built. . . .

(p. 191) Anno 1670. Here was built by the Income of the money giuen by the founder a fair Green-house or Conservatory to preserve tender plants & trees from the Injury of hard winter.

An interesting account of the Garden at a later date, but still in the time of the younger Bobart, is given in a tract entitled *The Relation of a Journey into England and Holland in the years 1706 and 1707. By a Saxon Physician* [Christian Heinrich Erndtel] *in a Letter to his Friend at Dresden. Translated from the Latin. Lond. 1711.*

(p. 49) Beside the Library I frequently visited the Physick Garden, where M^r Bobart, who is an Eminent Botanist, and one of great Civility, is the Koeper and Professor; . . . This Garden is famous for scarce Plants & Exoticks of all kinds, the choicest of which M^r Bobart shewed me. The first was the

Sorbum Veram, the Sorb or Quicken Tree, which bears the same Flower and Leaves with the *Sorbus Aucuparia*, but the Fruit is different, and more like a Pear, being fleshy, and of the Medlar kind. This Tree only grows in one woody Place in England, and that is in Worcestershire, from whence this Species was propagated.

Helianthemum, or Sun Flower, of a Flesh colour and five leaves.

Scyllam Veram, which has a six leav'd Flower, almost of a lead Colour.

Teucrium Boeticum, a sort of *Chamaedrys* or *Germander*.

Arborem Balsami Peruviani, which is a Species of the Fir Tree, but excels it much in a fragrant sweet smell. This Shrub is already two Cubits high, from a seed which M^r Bobart had transmitted to him seven Years ago from a Colony in the Kingdom of Mexico. [*Myrocydon peruviferum*, L. f., Leguminosae.]

Cedrus Vera, the true Cedar from Mount Lebanon, with Leaves like a Star, produc'd from Seed, as that before.

Pistacia Vera, the true Pistach Tree, with Leaves like a Walnut; the Fruit or Nut is very grateful to the Stomach.

Among the rest I wonder'd to see such a vast quantity of Yew in this Garden, of which there are whole Figures or Statues, two of which are visible at your Entrance into the Garden of Distinct Sexes, the one

representing a Man which bears a Berry, the other representing a Woman which bears none. In Conversation M^r Bobart mightily commended the famous *Revinus* Method of Plants, and M^r Sherard, an Englishman and an accurate Botanist, whom I saw when he went thro' Lipsick in the Year 1698, after he came from Smyrna, where he had been Consul for the English Nation.

A somewhat later account of the Garden was given by Zacharias Conrad von Uffenbach (*Merkwürdige Reisen durch Niedersachsen, Holland und Engelland, Theil iii, Ulm, 1754*, p. 83 and pp. 161 ff.) who visited it in August 1710. He speaks of it as rather wild and overgrown, not to be compared with the gardens of Leyden and Amsterdam which he had just been seeing. What struck him most, as also Erndtel, was the number and luxuriance of the yew-trees, some of which he describes as remarkable examples of topiary work, especially two which had been cut to represent men, the one bearing a club, the other a halberd. The gardener, who was Jacob Bobart the younger, seems to have made a greater impression upon von Uffenbach than did the Garden itself: his remarks are noticed later in the section devoted to an account of Bobart.

The credit for the topiary work that attracted so much attention belongs, however, to the elder Bobart (see p. xix).

JACOB BOBART THE ELDER.

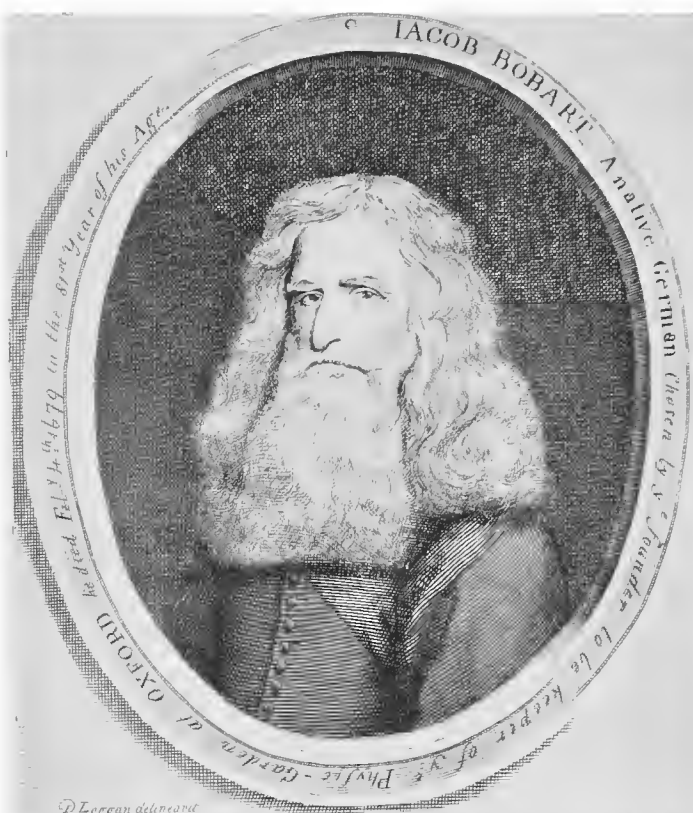
Although the construction of the Garden had been in progress for so many years, it does not seem to have reached the point of requiring the care of a gardener until some considerable time after 1632. The first mention of such an appointment is made by Twyne (*Collectanea*, vol. 6, p. 287) in such a way as to suggest 1637 as the date. After noting the renewal of the lease of the land by Magdalen College to the University on April 17, 1637 (a copy of this lease exists in the Bursary of the College, Ledger M), he goes on to say:

But ye renueinge of ye lease with ye conditions inserted, gave his Lordship [Lord Danby] good content and encouragement to goe forward in ye worke: whereuppon he came to some reasonable good termes of agreement with John Tradescant of West . . . (?) designed for ye gardiner, viz. for a yearly stipend of 50*li*. by ye yeare or thereabouts, and order was taken presently for more soyle to be brought into ye place to rayse it higher from beinge overflowed in ye wynter, &c. One Sir John Wenman was a great dealer with my Lord about this businesse. And not longe after, viz. in the yere 1638 about Easter, ye saide John Tradescant died, &c.

The John Tradescant here mentioned was the elder of the well-known collectors of plants and curiosities who bore that name: he had been gardener to the first Lord Salisbury, to the Duke of Buckingham and others, and had been appointed gardener to King Charles I in 1629. There is no evidence, however, that he actually entered upon the duties of gardener at the Physic Garden. The first holder of that office of whom there is any record was Jacob Bobart; but it is not clear when exactly his tenure began. It seems to have been generally assumed that he was appointed in 1632, but without definite evidence. For instance, Felton (*Portraits of English Authors on Gardening*, 1830, p. 108) states vaguely that 'the munificence of the Earl of Danby placed Bobart in the physic garden at Oxford, in 1632, as supervisor'. The only authentic record of Bobart's appointment is an agreement (in the possession of Falconer Madan, Esq., now Bodley's Librarian) between Lord Danby and Bobart, dated 1641. Whilst it is possible that Bobart may have been actually at work before this date, it can hardly have been for more than two or three years; for surely the earl would not have negotiated with Tradescant in 1637, as previously mentioned, had he already appointed Bobart to be gardener.

The agreement in question is worth giving in full:

This Indenture made the sixteenth day of Aprill in the seauenteenth yeare of the raigne of our Sovereigne Lord Charles by the Grace of God Kinge of England Scotland France and Ireland Defender of the Faith &c. between the right honble Henrie Earle of Danby ffounder of the publique phesicke garden in the Universitie of Oxon of the one parte and Jacob Boberte of the Cittie of Oxon Gardner of the other part Witnesseth that the sayd Earle of Danby for the consideration heerunder mentioned Hath demised granted and by these presents dothe demise and grant unto the said Jacob Boberte the said publick phesicke garden in Oxford afforesaid the benefitt to be made of the trees and frutes ariseinge and growinge out of and for the same To have and to hold the same unto the said Jacob Boberte from the daye of the date heerof unto the full end and terme of nyntie nyne yeares from thence next followinge and fullie to be compleat and ended if the said Jacob Boberte shall soe long live And the said Jacob Boberte in consideration of the premises dothe covenant promise and agree to and with the said Earl of Danby his heyres executors and assignes That he the said Jacob Boberte shall and will dureinge the continuance of this present grant doe his faithfull and dilligent endeavour to the best of his power and skill to dresse manure preserve and keepe the said Garden and from tyme to tyme sett and plant the same with such herbes settes trees and plants as shall be thought requisit and necessarie to be sett and planted in the same for



*Thou Germane Prince of Plants art more
 Thousands of Subjects grant a Nutrice*

THE ELDER BOBART

the service and use of the said Universitie of Oxon And the said Earl of Danby in consideration of the said premises dothe covenant for him his heyres and assignes in manner followinge That is to saye the said Earl his heyres and assignes shall and will yearlie well and trulie paye unto the said Jacob Boberte or his assignes for his labour and expences incident to the well keepinge manuringe or planting of the aforesaid Garden the sume of ffortie pounds of good and lawful money of England at fflower usuall feasts in the yeare That is to say at the Feast of the Anuntiation of the blessed Ladie S^t Marie the Virgine the Nativitie of S^t John the Baptiste S^t Michael the Archangell and S^t Thomas the Apostle by even and equall portions Provided notwithstanding that if the said Jacob Boberte shall not faithfully performe the contracte according to these conditions specified it shall be lawful for the Earle of Danby duringe his natural life both to revoke this Annuitie and likewise to displace the said Jacob Boberte and after his decease it shall be likewise lawfull for his heyres to doe the same soe it be then done with the Consent of the Vice Chancellor the Doctor of the Chayre in phesicke the deane of Christ Church and the presedent of Magdalen Colledge for the tyme beinge or anie three of them the better to oblige the said Jacob Boberte to his promise and to performe his dutie in this publicke worke In Witness wherof the parties aforesaid have to these presents enterchaingably sett their hands and seales the daye and yeare aforesaid

[Signed] DANBY

Signed sealed and delivered in the presence of

Richard Stevens
Tho. Bennett
William Barrat.

Baskerville (*loc. cit.*, p. 190) gives the following interesting account of Bobart:

Here I may take leave to speake a word or two of old Jacob who now is fled from his Earthly Paradise. As to Country he was by birth a German born in Brunswick that great Rum-Brewhouse of Europe. In his younger dayes as I remember I haue heard him say he was sometime a Soldier by which Employ and Travail he had opportunitie of Augmenting his Knowledge, for to his native Dutch he added the English Language, and he did understand Latine pretty well. As to fabrick of body he was by nature very well built (his son in respect of him but a shrimp) tall strait and strong with square shoulders and a head well set upon them. In his latter dayes he delighted to weare a long Beard and once against Whitsontide had a fancy to tagg it with silver, which drew much Company in the Phisick-Garden. But to save you further trouble view his shadow in this Picture.

After his appointment Bobart spent the whole of the remainder of his life in the service of the Garden. He died in the Garden-house

(erected in 1662) and was buried in the churchyard of St. Peter-in-the-East, Oxford. The south wall of the church still bears his monument with the following inscription :

To the pious Memory of
JACOB BOBART
A native German,
A man of great integrity,
Chosen by the Founder to be the Keeper of the
Physick Garden.
He died Feb^r 4, 1679, in the 81st
Year of his Age.
As also of MARY his first Wife, who died
April 17, 1655, and ANN his
Second wife, who died Nov. 21, 1696.
Together with four of their children,
ANN, CORDELLI, JOSEPH & MARGARET.
And also of ELIZABETH,
Daughter of their son
TILLEMAN BOBART.

According to this inscription, Bobart was born in 1599 : it is, however, probable that the age mentioned is only a guess. Mr. Falconer Madan possesses a pedigree of the Bobart family, extending from early in the fifteenth century to the end of the seventeenth, drawn up by Henry Bobart, Doctor in Physic at Bremen, between 1689 and 1694, according to which a certain Jacob Bobart was born in 1596, the son of Eler Bobart, burgomaster of Dantzick. Since this is the only record of the birth of a person of that name about that time, it may be inferred that it relates to the man who became the first gardener of the Physic Garden at Oxford. If this be so, then he died in his 84th and not in his 81st year.

The death of the Earl of Danby in January 1644, and the outbreak of the Civil War, brought trouble to Bobart. The earl's estate was sequestrated to the use of the Commonwealth : but it was eventually decided (*Journ. House of Commons*, vi, 1649) that his brother Sir John Danvers, a Parliamentarian and a regicide, 'have the benefit of so much of the proper estate of the Earl of Danby, both real and personal, as is sequestrable.' From a document among the Anthony Wood MSS. in the Bodleian Library (F. 31, fol. 252) it appears that Bobart was unable to obtain payment of his stipend during these proceedings : in fact, the document, which is unsigned and undated, seems to be

a draft petition addressed to the Vice-Chancellor of the University, asking for help in the matter. It begins with a summary of the original agreement made between the earl and Bobart: it then quotes from the earl's will, that he required his 'Heyres Feoffees and Executors to settle by legall conveyance to perpetuities the Parsonage of Kirkdale . . . for the maintenance and repaire of buildings about the Phisick Garden at Oxon', Mr. Drake being the executor; and concludes with the following remarks:

Jacob Bobart has many times petitioned y^e Lord of Danby's Heyre, S^r John Danvers, for his annuitye of 40^{lb} which for the last 7 yeares or more is wholly unpayed and withheld from him; and now the will being voted by Parliament to continue in force and full power, Jacob Bobart doth humbly desire that the Vice Chancellour and y^e Delegates would bee ameanes to M^r Drake that he pay the annuitye and settle it for the future and allsoe all the arrears, the University being soe much concerned in the business by the Rents that belong to them of a considerable value, as well as to the Gardener, besides the Honour in performing so publike a Worke.

Bobart proved to be an excellent gardener and under his care the Garden acquired a great reputation. Thus Baskerville (*loc. cit.*, p.187) says of it:

After ye walls & gates of this famous garden were built, old Jacob Bobart, father to this present Jacob, may be said to be y^e man y^t first gave life & beauty to this famous place, who by his care & industry replenished the walls with all manner of good fruits our clime would ripen, & bedeck the earth with great variety of trees plants & exotick flowers, dayly augmented by the Botanists who bring them hither from y^e remote Quarters of y^e world;

and adds, in describing the gates:

that in the north wall which admits entrance from the City being fairest built; by this old Jacob some yeares past set two yew trees which being formed by his skill are now grown up to be gigantic bulky fellows, one holding a Bill, th'other a Club on his shoulder.

These specimens of topiary work afforded a fertile theme to the wits of the time. Edmund Gayton wrote two ballads about them, *Upon Mr. Jacob Bobart's Yew-men of the Guard to the Physick Garden, to the tune of the Counter Scuffle* (Oxon. 1662), and *A Ballad on the Gyants in the Physick Garden in Oxford, who have been breeding feet as long as Gargantua has Teeth* (Oxon. 1662). Another poem, entitled *Upon the most Hopefull & ever-flourishing Sprouts of Valour, the indefatigable*

Centrys of the Physick-Garden (Oxon. 1664), Wood attributes to John Drope, a Fellow of Magdalen College.

The Garden was visited from time to time by persons of distinction. Evelyn records two visits in his Diary: the first on July 12, 1654 (*Memoirs, &c.*, ed. 1818, vol i, p. 271), of which he says:

Hence we went to the Physic Garden, where the sensitive plant was shew'd us for a great wonder. There grew canes, olive-trees, rhubarb, but no extraordinary curiosities besides very good fruit, which the ladys tasted. . . .

the second on October 24, 1664 (*Memoirs*, vol. i, p. 352) with the brief remark:

Next to Wadham, and the Physic Garden, where were 2 large locust-trees, and as many platana [plane-trees], and some rare plants under ye culture of old Bobart.

Samuel Pepys visited the Garden on June 9, 1668. Cosmo de' Medici duke of Tuscany, spent some days in Oxford in the month of May 1669, and Wood (*Life and Times*, ed. Clark, vol. ii, p. 158) observes that he visited the Physick Garden on May 5:

Bobard the keeper having presented him with a fine nosegay in the morning, & being there come the said Bobard spake a speech in the German tongue to him, which he liking and his guarden he gave him a reward.

A somewhat different, and curiously contradictory, account of the same visit is given in the *Travels of Cosmo III, Grand Duke of Tuscany, through England*, published in 1821: it is stated on p. 262 that the Duke when at Oxford visited

The Botanical Garden situated near the Gate of the City leading to London, which, from the smallness of its site, irregularity, and bad cultivation, scarcely deserves to be seen. By the Keeper of the Garden, an elderly man of a fine countenance and a perfect botanist, the plants of the greatest rarity were shewn to the serene prince, being all noted down and described in a printed sheet of paper, which he presented to his highness.

Wood also mentions (*Life and Times*, vol. ii, p. 164) that in the same year

Elias Ashmole and A. W. were often in the Physic Garden with Jacob Bobart the keeper (an old acquaintance of M^r Ashmole) who shewed them many choice plants, grafts, herbs, and other curiosities to M^r Ashmole's great content.

On December 20, 1670, the Prince of Orange visited 'the Physick garden, where Bobart the gardiner also received him with a Dutch complement' (vol. ii, p. 208).

The most convincing evidence of the success of Bobart's management of the Garden is, however, to be sought in the catalogue of the plants cultivated therein, published in 1648. It enumerates no less than 1,600 plants, of which about 600 were British, and many were Canadian. The catalogue is anonymous, but it is attributed to Bobart, mainly on the authority of Dillenius, who presented a copy to Haller (see Haller, *Bibl. Bot.*, 1771, t. i, p. 474). The title-page runs as follows: *Catalogus Plantarum Horti Medici Oxoniensis, sc. Latino Anglicus & Anglico Latinus. Eas Alphabeticò ordine accurate Exhibens. Excudebat Henricus Hall Typographus Academiae Oxoniensis. 1648.* It is followed by a preface, certainly not written by Bobart, though the author is unknown, which is worth reproducing as a testimony to Bobart's merits.

AD LECTOREM.

En tibi offerimus, amice Lector, Horti Medici Oxoniensis, stirpium & plantarum Catalogum: quem eâ de causâ publicum fecimus, ut de summâ Boberti, hortulani nostri peritissimi diligentia constet; cujus curâ & industriâ, tanta rei Botanicae brevi tempore incrementa accesserunt. Non est nobis animus totius Horti rationem reddere: de moeniorum & portarum structura, de ambulacris, quadris, pulvillis, & aquugiis sermonem instituere. Haec aliâ transferenda censuimus, cum Hortus noster, Honoratis: Comitibus Danbeii sumptibus constructus, & ejusdem munificentia dotatus exoptatam ab omnibus perfectionem adeptus sit. Quod sub Nobilissimi fratris & haeredis sui, Domini Johannis Danvers, Equitis Aurati, auspiciis propediem fore considimus. Ut gratias utrisque quas possumus summas, pro suis in Academiam meritis referamus: & ne diutiùs desit Academiae, quod in usum medicum, bonum totius Regni publicum, tantum conferat. Habes interim Mille sex centas stirpes, quibus hic locus instructus est; quarum nomina hoc nostro Catalogo alphabeticè enumerantur: quibus etiam adjectae sunt vernaculae voces quibus nostrates eas distinguere solent. Quod in usum Botanices studiosorum factum esse existimes: ut uno intuitu stirpes ipsas, earumque nomina complectentes, exterarum peregrinationum curas & molestias tuto dimittant. Vale.

A second edition of this work appeared ten years later, with the following title-page:

Catalogus Horti Botanici Oxoniensis, Alphabeticè digestus, duas, praeterpropter, Plantarum Chiliadas complectens, Priore duplo auctior, idemque elimatior; nec non Etymologiis, quâ Graecis, quâ Latinis, hinc

inde petitis, enucleatior : in quo Nomina Latina pariter & Graeca Vernaculis ; & in ejus sequiore parte, Vernacula Latinis, praeponuntur.

Cui accessere Plantae minimum Sexaginta suis Nominibus insignitae, quae nullibi nisi in hoc opusculo memorantur.

Curâ & operâ sociâ Philippi Stephani M.D. et Gulielmi Brounei A.M. Adhibitis etiam in consilium D. Roberto Patre, Hortulano Academico ejusque Filio, utpote rei Herbariae callentissimis.

Oxonii Typis Gulielmi Hall, An. D. 1658.

Of the two authors, Dr. Philip Stephens was a man of some note under the Commonwealth. Originally of St. Alban's Hall, he was admitted Principal of Hart Hall (now Hertford College) in 1653, and was appointed one of the Visitors of the University in the following year. In 1655, as Anthony Wood narrates :

A troop of Scholars were forthwith raised and armed and put in a posture of defence under the command of Captain Stephens, Doctor of Physic and Principal of Hart Hall.

He ceased to be Principal in 1660, having been appointed a Fellow of New College by the Visitors. William Browne, who was a good field-botanist and recorded several Oxfordshire species for the first time, became Senior Fellow of Magdalen College, and died in 1678 : Wood says that he had the chief hand in the preparation of the Catalogue.

There is a rather long Latin preface, of which a quaint English version is prefixed to the second, English-Latin, part of the work. As the book is rare, an extract from the latter will not be unwelcome.

THE PREFACE TO THE PHILOBOTANICK READER.

Thou hast here the Catalogue of the plants of the *Oxford Physick Garden*, that true *Polyanthea*, which hath for many years past been cultivated by the great Skill, and indefatigable industry of *Jacob Bobert*, how expert a Gardener he hath shewed himself, posterity perhaps may without envy let the world know. In the mean time, this little Book offers itself to thee now in the spring, when plants (being freed from their winter shackles) look out of their prison doors in their best cloathes, with a desire to bid thee wellcome, & to congratulate thy study.

We chearfully undertook this work being moved by the solicitations of students in Physick & lovers of plants (notwithstanding the difficulty thereof, and our other occasions, both publik and private) being confident it will not be only an ornament but of use also to the true Physitian.

But if any one be puffed up with a vain perswasion of his own abilities, and shall think because he hath the title of Doctor he may be as idle as he please, and slight the study of Simples, let him (if he will take so much

paines) read the life of *Fernelius*, and the Epistles of *Bauhine*, *Lobell*, *Mathiolus*, and *Fuchsius* that he may know that we have reason to be of another mind.

1. We have pitcht upon Parkinson and Gerrard, out of the respect we have to our Country (because the generality of Englishmen make use of them, and there be few that use any other) calling our plants by their names, seldome altering so much as a word.

2. We have added the names of our authors to the names of the plants . . .

Thus as the species of all creatures were gathered together into the Arke, comprehended as in an Epitome, so you have the plants of most parts of the world, contained in this garden where they are preserved for thy inspection, not thy plunder, and faithfully related, by the care and endeavour of

P. S. W. B.

The names of the plants are accompanied by references to the pagination of the authors cited, for the first time in a British botanical work. The plants marked as being new are mostly forms or varieties rather than species. Among them is '*Tithymalus hibernus tuberosus sive Makimboy*, Irish knotty rooted Sp[urge]', which is doubtless *Euphorbia hiberna* L.: but W. How had previously included in his *Phytologia Britannica* (1650) *Tithymalus hibernica*, without locality, which is the same species. '*Anag[allis] aq[uatica] sive becab[unga] flore albo*, white flowred Brooklime', is probably the plant found by the younger Bobart on Headington Hill, which is recorded in the Appendix to Ray's *Synopsis* (ed. ii), and is merely a white-flowered form of *Veronica Beccabunga*. Again, '*Cyn[oglossum] flore albido* Bauh. Pin., whitish Hounds-tongue; brought from Reading, where it was shewed us by Mr. Watlington', who was an apothecary, a friend of Ashmole, and a good botanist, is only a white-flowered form of *Cynoglossum officinale*. This plant and one other '*Potamogeton ferulae folio*, fennell leaved pondweed, ad pontem Col. Mag. vel (ut conjectamur) est *potamogeton gramineum ramosum* P[arkinson] 1255, grasse like pond-weed', which is probably *P. pectinatus* L. and is here first mentioned as occurring in Oxford, are the only ones of which the localities are given.

On the death of Bobart in 1679, he was succeeded as *Hortulanus* by his son, known as Jacob Bobart the younger, of whom an account is given on a subsequent page. By his will, dated Nov. 2, 29. Car. II, 1677, he bequeathed to 'my eldest son Jacob Bobart all my garden plants and halfe my Books', and 'to my son Tilleman the other moietie or halfe of my Books'.

There is an oil-painting of Bobart in the possession of the Linnean Society of London, and another in the possession of the present representatives of his family. The portrait here given is from the print by Burghers after the drawing by Loggan.

ROBERT MORISON.

The fulfilment of the intention of the Earl of Danby to provide the University not only with a Physic Garden and a Gardener, but also with a Professor of Botany, was unfortunately long delayed for the reasons given in the following passage from Anthony Wood's *Annals* (vol. ii, ed. Gutch, pt. ii, p. 897).

As for the settlement of a Botanic Professor, the Earl, though he had settled a Gardener, John Tredeken, Senior, deferred it from time to time; especially for this reason, that the Garden could not be soon enough furnished with Simples, and they with a maturity. At length Civil distempers breaking forth, and the Earl dying soon after [Jan. 20, 1644], nothing was done save only that by his Will, dated Dec. 14, 1640, which was three years before he died, he appointed certain persons to settle by legal conveyance to the University the Parsonage or Rectory of Kirkdale in Yorkshire for the use of the said Garden. Afterward Sir John Danvers, his brother, in pursuance of the will, did settle it on the University, to the end that with the revenews thereof the Garden be repaired, and a stipend be paid to the Professor and Gardener. [The bequest took effect in 1659 (*Oxf. Hist. Register*)]. But so it was that the times being unsettled, and the revenews falling shorter than was expected, nothing was done in order to the settling of a Professor till an. 1669: and then a motion being made by the King's Botanic Professor for an acceptance of the employment, the University thereupon allowed him an annual stipend of 40*l.*, and caused him to read at certain times of the year, not according to Statute (for none relating thereunto were made) but at such times as he thinks most proper, that is in Spring and Autumn.

The first Professor was Robert Morison of University College, elected Dec. 16, 1669, incorporated Doctor of Physic the day following, as he before had stood in the University of Angers (in France). He made his entrance on this Lecture in the Medicine School Sep. 2, 1670, and the fifth of the same month translated himself to the Physic Garden: where he read in the middle of it (with a Table before him) on herbs and plants thrice a week for five weeks space, not without a considerable Auditory. The spring following, in the month of May, he read again; and so likewise in the autumn following, which course he proposed always to follow, but was diverted several years by prosecuting his large design of

publishing the universal knowledge of Simples [*Plantarum Historia Universalis Oxoniensis*].

There is a brief biography of Morison in Wood's *Fasti Oxonienses* (pt. 2, p. 314, ed. Bliss, 1820); but the original source of information concerning him is the *Vita Roberti Morisoni*, which is prefixed to Part III of the *Historia Universalis Plantarum*, published in 1699 under the editorship of the younger Jacob Bobart. There has been some discussion as to the authorship of the *Vita*; but there exists in the British Museum a manuscript (Sloane MSS. 3198, ff. 17-29), consisting of preliminary drafts of the *Vita*, from which it appears certain that the author was Dr. Archibald Pitcairne. From these sources the following account has been compiled.

Robert Morison was born at Aberdeen in 1620, the son of John Morison and Anna Gray his wife. He entered the University at so early an age that he graduated in Latin, Greek, and Philosophy, taking the degree of Master of Arts, in 1638; and soon afterwards was admitted as a teacher of Philosophy. He also studied Mathematics; and having laid this broad foundation of general knowledge, he turned his attention to Natural History, especially Botany, with the idea of going on to the study of Medicine. His parents, however, desired him to study Theology; so in order to meet their wishes he learned Hebrew, and with such success that he wrote a grammar of that tongue. But his love for Natural History only increased, and at length his parents yielded to his inclination. His studies in Aberdeen were abruptly terminated by the troublous times which had come upon the country. With his fellow-citizens he took part, under Montrose, in the battle of the Brig of Dee (September, 1644) against the Covenanters under Middleton, and was so severely wounded in the head that his life was in danger.

As soon as he was convalescent Morison fled to France, to resume in Paris the study of Zoology, Botany, Anatomy, and other medical subjects. He was created Doctor of Medicine at Angers in 1648. He now devoted himself almost entirely to the pursuit of Botany, under the guidance of Vespasian Robin, Botanist to the King of France. About this time Robin was consulted by Gaston Duke of Orleans concerning the management of the royal garden at Blois, with the result that, in 1650, the Duke appointed Morison, on Robin's recommendation, to take charge of it, with Abel Brunyer and Nicholas Marchant as his colleagues.

It was during his stay at Blois that he evolved his method of classi-

fication, which he communicated to the Duke of Orleans, who expressed his willingness to bear the expense of publishing a history of plants based upon it. But to the detriment of Botany, and to the great grief of Morison, the Duke died in 1660, before anything had been done. It so happened that a short time before his death, in February 1660, the Duke had invited his nephew, afterwards King Charles II, to visit him at Blois, and had presented Morison to His Majesty. The result was that, after the Restoration, the King caused Morison to be summoned to England in August 1660. In spite of the tempting offers made to him by Fouquet, the French Minister of Finance, Morison hastened to London, when he received the title of King's Physician and Professor of Botany with a stipend of two hundred pounds a year: '*tantus Morisono amor Patriae*' is the comment of his biographer. In his intervals of leisure he found time to prepare a work, the *Praeludia Botanica*, published in 1669, which was preliminary to the greater *Historia* that he still contemplated. The reputation that it gained for him seems to have been the immediate cause of his appointment to the Chair of Botany at Oxford. Wood tells how that Mr. Obadiah Walker, Senior Fellow of University College, recommended Morison to the Dean of Christ Church and other leading men of the University,

to be chosen botanic professor. Whereupon, by the great testimonies and recommendations of his worth, he was elected on the 16th December [1669], as I have before told you.

Morison continued to hold his royal offices and the salary attached to them, after he had come to Oxford: but the payments eventually fell into arrear, as is set forth in the following letter addressed by him to Sancroft, Archbishop of Canterbury (Tanner MSS., Bibl. Bodl. xxxvi, no. 216).

Most Reverend Father in God

May it please your Grace yat whereas my wife having presented a petition to his Majesty for my arrears & shee having obteneed from his Mätie upon my saide petition a werie favourable reference too ye Lds of the Treasurie: I most humbly beg your Graces assistance in representing both to his Mätie & the Lds of ye Counsell who shall be concerned & the Lds of the Treasurie, my low and ruinated condition, for I not being payed of my salarie these manie yeares, I find myself in great debt together with the great charges I have been at in setting out the first volume of my generall herball, which hath caused me to spend my owen small estat which I got in ten years service under the lat Duk of Orleans, so that if his Mätie & ye Lds of ye priue counsell who are concerned & ye

Lds of ye Treasurie are not pleased to releue me by the payment of my arrears upon the gracious reference of his M^{tie} I shall be ruinated, & I am so much in debt yat I can not appear in person to beg the favourable assistance of my friends and noble patrons, among which your Grace, I trust, will apear both at the counsell board & before ye Lds of ye Treasurie, before whom this important buissness lyeth & if not obteneed I shall be forced after having served his M^{tie} & the publick tuentie one years, to dispond & give all ower and goe shift for my wife & familie, & my thirtie years Studie all lost, it being impossible for me to goe on & finish my works without being payed of my arrears, so relaying upon your Graces pourful assistance,

I remain, most Reverend Father in God,
Your Graces most humble client & servant

Oxon. University College, 17 Jan. 168 $\frac{1}{2}$.

R. Morison

The letter is endorsed, Dr. Morison £5.

Morison's chief occupation at Oxford was the preparation of his great work, the *Historia Plantarum Universalis Oxoniensis*, which he had been requested to undertake by the authorities of the University (see Bobart's Preface to the *Pars Tertia*); but he had also public, as well as professional, duties to perform. Thus it is recorded (Wood's *Fasti*, part ii, ed. Bliss, p. 378) that, on September 9, 1680 :

the electoral prince Charles, count palatine of the Rhine, was with solemnity created doctor of physic . . . being conducted to the public schools by the bishop and others, and thence to the apodyterium, he was there habited in scarlet with some of his retinue: thence he was conducted by the beadles and D^r Morison the botanic professor (who at that time executed the office of the King's professor of physic then absent) to the Theatre where the convocation was solemnized: and coming near to the vice-chancellor's seat, the said doctor presented him with a little speech.

Again, in Wood's *Life and Times* (ed. Clark) vol. iii, are the following entries :

(p. 17) May 30, 1682, About 8 of the clocke at night came into Oxford, Hamet Ben Hamet Ben Haddu Ottur, embassadour from the emperour of Morocco . . . ; May 31, W. Thence to the Physick Garden where D^r Morison harangued him; (p. 49) on May 19, 1683, the Duke of York visited the Physick Garden where D^r Robert Morison, the botanick professor, speaking an English speech also, was often out and made them laugh. This person, though a master in speaking and writing the Latin tongue, yet hath no command of the English, as being much spoyled by his Scottish tone.

The statement made by Wood (*Fasti*, ii. 314) that Morison was

elected a Fellow of the Royal College of Physicians seems to be inaccurate, as no confirmation of it can be obtained; nor does it appear that he was ever a Fellow of the Royal Society.

Morison's life came to an abrupt end on November 10, 1683, whilst he was still in full activity. He had gone to London to procure suitable paper for the printing of the *Pars Tertia* of the *Historia*, when, on November 9, as he was crossing the Strand between the end of St. Martin's Lane and Northumberland House near Charing Cross (so Wood narrates), he was knocked down by the pole of a coach and fractured his skull. He was carried to his house in Green Street, Leicester Fields, where he died the next day

to the great reluctance of all those that were lovers and admirers of his faculty. Afterwards he was buried in the church of S^t Martin's in the Fields within the liberty of Westminster.

As regards his personal characteristics, Morison is described in the concluding paragraph of the *Vita* as being

vigorous in body, having a mind trained to every kind of study, of ingenuous manners, calling a spade a spade, eager for true knowledge, a hater of filthy lucre, considering the public advantage rather than his private gain.

His biographer, Archibald Pitcairne, apostrophized him thus :

*Quae, Morisone, viro potuit contingere major
gloria, Paeonium quam superasse genus ?
Ipse tibi palmam Phoebus concedit Apollo,
laureaque est capiti quaelibet herba Tuo.*

There is an oil-painting of Morison in the Library at the Botanic Garden, Oxford. The portrait here reproduced is the print which forms the frontispiece of the *Pars Tertia* of the *Historia*, engraved by White after a painting by Sunman. The similarity between the print and the painting in the Library is so great as to suggest that the latter is either the original by Sunman, or a copy of it.

The works of Morison are not numerous, but they are none the less considerable. The first may be described generally as the *Praeludia Botanica*, a small octavo volume of about 500 pages, consisting of two parts, the varied contents of which are as follows :

Title-page of Part I.

Hortus Regius Blesensis Auctus, cum Notulis durationis & Characteris Plantarum tam additarum, quam non scriptarum; Item Plantarum



*Quæ Morisonæ viro potuit contingere major: Ipse tibi palmam Phœbus concedit Apollo.
 Gloria, Præonim quam superasse genus Laureaque est capiti quæ hinc herba tuo.
 Archibaldi Pitcairne MD.*

ROBERT MORISON

in eodem horto Regio Blesensi aucto contentarum, nemini hucusque scriptarum, brevis & succincta delineatio. Quibus accedere Observationes Generaliores (Plantarum in eodem horto Regio Blesensi aucto contentarum) rei Herbariae studiosis valde necessariae, & cognitu perutiles.

Praeludiorum Botanicorum Pars prior.

Authore Roberto Morison Medico & Professore Botanico, serenissimo Carolo secundo, magnae Britanniae, &c. Regi.

Doctis (in arte) scribo : Indoctos docebo.

Londini, Typis Tho. Roycroft, Impensis Jacobi Allestry ad Insigne Rosae Coronatae in vico vulgò dicto Ducklane, Anno 1669.

This part is dedicated to Charles II.

Title-page of Part II, which begins at p. 351 :

Hallucinationes Caspari Bauhini in Pinace, Tam in digerendis, Quam denominandis Plantis : Item Animadversiones, in tres Tomos, universalis Historiae Plantarum ; Johannis Bauhini. Quibus accessit Dialogus inter Socium Collegii Regii Londinensis, Gresham dicti, & Botanographum Regium.

Praeludiorum Botanicorum pars altera.

The *Hallucinationes* is dedicated to James Duke of York and Albany, afterwards James II. The *Dialogus* is dedicated thus: *Ad virum insignissimum, Doctissimum & vitae integerrimum, Dignissimumque Dom. Johannem Fell, in sacrosanctâ Theologiâ Doctorem, Collegii aedis Christi Decanum & Universitatis Oxoniensis Procancellarium vigilantissimum S. P. D. Author.*

At the end of the volume is an address to his colleagues at Blois :

Viris clarissimis in re Botanica facilè inter primos Magistris : Abeli Brunyer Medico & Botanico, Celsitudini E. Regiae : Nicolao Marchant Apothecario, Botanico Celsitud. E. Regiae : Collegis suis, Horti Regii Blesensis collectoribus & coexaminatoribus dignissimis : Author haec scribit.

Morison's second work is his folio treatise on the Umbelliferae :

Plantarum Umbelliferarum Distributio nova, per Tabulas Cognationis et Affinitatis ex Libro Naturae observata & detecta.

Authore Roberto Morison Medico & Professore Botanico Regio, necnon inclytæ et celeberrimae Universitatis Oxoniensis P. B. ejusdemque Hort. Botanici Praefecto primo.

Doctis (in Arte) scribo ; indoctos docebo.

Oxonii, e Theatro Sheldoniano, Anno Domini MDCLXXII.

There are two dedications: the first to James Duke of Ormonde, Chancellor of the University; the second, to the Vice-Chancellor, and to those Heads of Colleges and Halls, Doctors, and Masters, who had contributed to the provision of the twelve plates of figures of plants, each of which bears the name and arms of the donor. There are also eight plates of diagrams indicating the affinities of the plants forming the group.

He describes it, in the preface, as a first instalment of his *Historia* :

Primò non solum edimus hoc specimen, trigesimam operis quod intendimus constituens partem, sed etiam nonam ordine sectionem, umbellarum omnium doctrinam continentem eo fine damus, ut (quemadmodum aiunt ex ungue leonem) de caeteris à nobis emittendis, versati in Botanicis facilius possint judicare.

The third of his published works is a volume of his *magnum opus*, the *Historia*, the title-page of which is as follows :

Plantarum Historiae Universalis Oxoniensis Pars secunda seu Herbarum Distributio Nova, per Tabulas Cognationis & Affinitatis ex Libro Naturae observata & detecta.

Auctore Roberto Morison Medico & Professore Botanico Regio, necnon Inclytae & Celeberrimae Universitatis Oxoniensis P. B. ejusdemque Hort. Botan. Praefecto primo.

Oxonii e Theatro Sheldoniano Anno Domini MDCLXXX.

Morison did not live to complete his great work; but he left another volume so far written that it could be completed by the younger Bobart. It appeared with the following title and dedication :

Plantarum Historiae Universalis Oxoniensis Pars tertia seu Herbarum Distributio Nova, per Tabulas Cognationis & Affinitatis ex Libro Naturae observata & detecta.

Auctore Roberto Morison Medico & Professore Botanico Regio, necnon Inclytae & Celeberrimae Universitatis Oxoniensis P. B. ejusdemque Hort. Botan. Praefecto primo.

Partem hanc tertiam, post Auctoris mortem, hortatu Academiae explevit & absolvit Jacobus Bobartius Horti Praefectus.

Oxonii e Theatro Sheldoniano Anno Domini MDCXCIX.

Academiae Oxoniensi quod

Literarum reipublicae per orbem decus emineat,

Christianae fidei grande columen,

Bonorum omnium communis & optatissima patria,

Musisque propria & gratissima sedes.

A reprint of Morison's principal works was published, in three volumes, in 1715: the first volume consists of the treatise on the Umbelliferae; the second, of the *Pars Secunda* of the *Historia*; the third, of the *Pars Tertia*. The only alteration is the following addition to the title-pages: *et prostant Londini apud Paulum & Isaacum Vaillant, MDCCXV*.

The *Historia* still remained incomplete, for the first part, relating to trees, was never published. There seems to have been an idea that it was in existence, for it is thus referred to in the *Vita*, '*de qua quid factum sit nemo scit, nec sperandum est illam in lucem prodituram*'; and Haller (*Bibl. Bot.* t. i, p. 544) records a statement by Schelhammer that he had seen the whole work complete at the house of the author in 1680. This idea, however, lacks confirmation.

In the dedication of his *Praeludia* (of which he there speaks *tanquam praeludia Botanica ad methodum praedictam*) Morison records that he had formed the intention of writing a great work in illustration of his method of classification whilst he was at Blois, that he had communicated his method to the Duke of Orleans, and that the Duke had undertaken its publication, but the sudden death of the Duke had wrecked his hopes; and he appeals to Charles II for help: *Quod si annuere hoc mihi digneris*, he says, *Polliceor Britanniam vestram, cum methodo exactissima (quae est naturae ipsius) imposterum, in re Botanica gloriari posse: quemadmodum, Italia, Gallia, Germania, superiori saeculo, sine methodo, in Scientia Botanica, gloriatae sunt*. It does not appear, however, that he obtained much assistance from the King; for not one of the plates bears the King's name, and, as is shown by his letter to Archbishop Sancroft, Morison impoverished himself in the preparation of the volume of the *Historia* that appeared during his lifetime. The University, however, came to the rescue. From the Vice-Chancellor's accounts it appears that the Delegates of the Press advanced £200 in 1676-7, £200 in 1678-9, and £200 more in 1679-80, of which Morison repaid £195.

The fact that the publication of the *Historia* should have begun with the second volume calls for some explanation. This is given by Morison in his preface:

Cum enim Herbae (uti dictum) notu & distinctu difficiliores sint, & numero longe excedant arbores, frutices, suffruticesque, lignea materia constantes; ideo Herbas numero plures, difficiliores & confusius apud authores traditas aggredimur, ne idem nobis contingat, quod Dalechampio & Johanni Bauhino praematura morte ablati, atque eorum operibus in manus male versatorum in Botanicis incidentibus contigit.

The fate that he dreaded overtook him ; he did not live to finish more than nine of the fifteen sections in which he arranged herbaceous plants: but he was fortunate in that his unfinished work did not fall into unskilled hands.

A minor, but still important, work of Morison's is the edition of Boccone's treatise on Italian and French plants. The MS., with most of the plates already engraved, was sent to him, at the author's request, by Charles Hatton, the second son of Lord Hatton, who had been a pupil of Morison's during his residence in France. It was issued, at Mr. Hatton's expense, as a thin quarto volume at Oxford, with the title *Icones & Descriptiones Rariorum Plantarum Siciliae, Melitae, Galliae, & Italiae, quarum unaquaeque proprio caractere signata, ab aliis ejusdem classis facile distinguitur. Auctore Paulo Boccone Panormitano Siculo, Serenissimi Magni Hetruriae Ducis olim Botanico. E Theatro Sheldoniano MDCLXXIV.* It contains 52 small plates inserted in the text.

The chief interest of this book, as far as Morison is concerned, lies in the dedication to Mr. Hatton, where he repeats the assertion made in the *Dialogus (Prael. Bot. p. 488)* as against Dioscorides and Cesalpino, that Ferns, like all other plants, bear flower and seed, '*pulvisculi instar*', and produce their like thereby.

The unpublished writings of Morison are not important. In the Library at the Botanic Garden, there is a much injured, small 8vo MS. of about 400 pages, bound in vellum, which seems to have been a private memorandum book: it is labelled *Morison Catal. 1653; Nomenclator Stirpium mihi hucusque cognitarum, sexto Kal. Decembris anni supra millesimi sexcentissimi quinquagesimi tertii collectarum.* It is a list of plant-names arranged alphabetically.

There is, further, a small duodecimo pamphlet in the Sloane Collection at the British Museum [Sloane MSS. 3216, ff. 121-132 b] containing an incomplete classification of herbaceous plants into fourteen *Sectiones* in accordance with Morison's method, which is attributed to him. However, Morison is quoted in it in such a way as to suggest that it is the work of some one else rather than his own.

This completes the list of Morison's works. It remains now to give some such account of their contents as may serve for the estimation of their importance as contributions to the science of Botany, and of the merits of their author.

The *pars prior* of the *Praeludia Botanica*, that is, the *Hortus Regius Blesensis Auctus*, is not a work of much originality. It is merely an alphabetical list of the plants cultivated at Blois, based upon previous

catalogues issued by his colleague, Abel Brunyer, in 1653 and 1655. It may be incidentally mentioned that there is, in the Library at the Botanic Garden, a copy of Brunyer's catalogue of 1655 with MS. notes by Morison; these are mostly localities, and all the plants are marked with signs indicating whether they are annual or perennial. The new edition enumerates about 2,600 plants, of which 360 are marked as having been added to the collection by Morison and his colleagues in the years 1655-60, and 270 are marked as new and hitherto undescribed. Some of these last are only varieties, and some were already known; still, they represent an important contribution to the knowledge of plants, and, more particularly, of the Flora of France. They are all carefully described in an appendix—*Brevis & succinta Delineatio*. In a second appendix—*Observationes Generaliores*—all the plants of the catalogue are arranged in groups, according to their more striking features or properties, as follows:

Arbores, perpetua fronde, virentes :

Pomiferae ; Coniferae & Resiniferae ; Glandiferae ; Bacciferae ; Aliae variae.

Resiniferae foliis deciduis.

Frutices & subfrutices perpetua fronde virentes.

Herbae perpetua fronde virentes.

Plantae succum Lacteum fundentes.

Plantae tuberosae, sive tuberosa radice praeditae.

Plantae carnosa radice praeditae.

Arbores Calidae :

Bacciferae ; Coniferae & Resiniferae,

Subfrutices Calidi.

Plantae Calidae :

Bulbosae ; Siliquosae tetrapetalae ; Siliculosae tetrapetalae ; Corymbiferae ; Verticillatae Galeatae ; Variarum classium.

Plantae Frigidae :

Pomiferae scandentes ; Lactescentes Cichoraceae, &c.

Arbores, frutices, subfrutices, & Plantae purgantes.

Plantae Venenatae.

Plantae Vulnerariae.

Plantae Culinariae.

This arrangement is worth reproducing here as an illustration of the general mode of classification to be found in the leading botanical works of the time, such, for instance, as Parkinson's *Theatrum Botanicum* (1640); with, however, some special features in the subdivision of the main groups which were the first published expression of Morison's ideas on classification.

It is in the *pars altera* of the *Praeludia Botanica* that the real interest of Morison's work begins. Of this part, 75 pages are devoted to a list of the mistakes (*Hallucinationes*), chiefly in the association of genera, made by Caspar Bauhin in his *Pinax* (1623) with Morison's corrections; and 30 pages to his *Animadversiones* on the *Historia Universalis Plantarum* of John Bauhin (1650). No doubt his criticisms are, in the main, well founded, but their publication evoked enough indignation to prejudice his popularity; for the general sentiment was strongly in favour of the two brothers who, whatever errors they might have committed, had contributed so much to the organization of botanical knowledge. Morison had evidently anticipated something of the kind, for he says in his preface:

Noli quaeso (amice lector) me gloriosum aut insolentem existimare scriptorem: quod non solùm hujus saeculi, sed omnium (quotquot adhuc extitère) Botanicorum Coryphaeos duos, Casparum & Johannem Bauhinum Fratres, corrigo. . . Ipsos, summi judicii, indefessi laboris, & incomparabilis doctrinae (in Scientiâ Botanicâ) homines fuisse observo: ipsosque seu fato, seu naturali propensione, maximum in promovendis studiis Botanicorum habuisse desiderium, paritèr declaro. Errasse tamen multoties utrumque, nemo (in re Botanicâ mediocriter versatus) inficias ibit, hos meos tractatulos legendo. Labi nihilominus humanum esse confiteor; homo sum ipse, humani à me nihil alienum puto: in hisce meis tractatulis, hallucinatum me esse non dubito. Quapropter hallucinationes meas, ab amico lectore, notari desidero. Quin & paritèr observabit lector, me haec concinasse tam ut voto meo praedicto satiaferet, quam ut publicis inservirem commodis. Et quam ego de Fratribus Bauhinis Coryphaeis, eandem de me existimationem habeat lector velim.

This generous tribute to the merit of the Bauhins did not, however, suffice to avert hostile comment; and Haller's description (*Bibl. Bot.* i, p. 543) of the treatise as *invidiosum opus* may be accepted as the current opinion. Particular objection was taken to the expression '*Hallucinationes*', and an attempt was made in the *Vita* to overcome this:

Alii vero vocem illam *Hallucinationes* (Fabio Columnae egregio sane viro familiarem) aspernantur, nescii forsàn quam latina sit, quamque modestiae plena, si modo Marcus Tullius Cicero (qui passim ea utitur) aut Josephus Scaliger fidem mereantur.

It was probably Morison's minute study of the work of the Bauhins that led him to frame his own principles of classification. The first definite statement of his method is given in the *Dialogus* which concludes the *Praeludia*. The two personages are the author himself

(*Botanographus Regius*) and a Fellow of the Royal Society (*Socius*). In reply to the inquiries of *Socius*, *Botanographus* explains that though he had waded through many botanical tomes, both large and small, he had failed to find in them any trustworthy method of classification, and summarily disposes of the various methods mentioned by *Socius*: that of Dalechamp (*Historia Generalis*, 1587), classifying plants according to their habitat; that of Parkinson (*Theatrum Botanicum*, 1640), classifying them by their properties; that of Besler, in the *Hortus Eystettensis* (1613), classifying them according to the season of flowering; that of Matthioli, classifying them by the shape of their leaves, a method followed in a book recently issued by a Fellow of the Royal Society. The book alluded to was, no doubt, 'An Essay towards a Real Character and a Philosophical Language' of Dr. John Wilkins, Bishop of Chester, published by the Royal Society in 1668, to which Ray contributed the botanical tables. *Botanographus* goes on to point out that a true classification of plants must be based upon a detection of a 'tessera seu symbolum', which he terms the 'nota generica'; and illustrates this by reference to the Ranunculi, all of which, he explains, whatever their habitat, their properties, or the forms of their leaves, have as their 'nota generica' a flower of five parts, which is followed by a fructification consisting of compressed pointed seeds, or rather fruits. The form of the leaf, he says, is of but secondary importance, though useful as distinguishing species. Throughout the dialogue he lays stress upon the importance of the seed-character (meaning fruit, for at that time there was no clear distinction between fruit and seed) inasmuch as seeds are produced by all plants however lowly.

The allusion in the *Dialogus* to Ray's *Tables of Plants* in Dr. Wilkins's book marked the beginning of the unfriendly relations that unfortunately existed between the two naturalists, about which it is necessary that something should be said. Ray was forty years of age, only eight years younger than Morison, when his *Tables of Plants* appeared in 1668, and had already won a recognized position as a botanist by his *Catalogus Plantarum circa Cantabrigiam nascentium*, published in 1660, and the Appendix thereto, published in 1663. Without describing the method adopted, or discussing its merits, the *Tables of Plants* is of importance as being the first attempt by an Englishman to classify plants otherwise than in a purely arbitrary way. Ray bitterly resented Morison's slighting remark, and expressed his resentment in the preface to his *Methodus Plantarum emendata et aucta* published five

and thirty years later (1703). Speaking of the publication of his *Tables of Plants*, he says :

Hac re graviter offensus D. Robertus Morisonus Aberdonensis Scotus M. D. veritus fortasse nequid inde famae suae & auctoritati, quam non mediocre inter Botanicos, nec immerito, sibi comparaverat, editis specimenibus Methodi illius, quam se non e libris hausisse, sed a natura ipsa edoctum fuisse gloriabatur, decederet; meque in messem suam falcem immittere ausum aegre ferens, Tabulas illas, tacito Autoris nomine, indignis modis laceravit.

But this criticism of Morison's was not the only cause of ill-feeling. Blair, in his *Botanick Essays* (1720), records that Dr. Morison often said that

M^r Ray studied Plants more in his Closet than in Gardens and Fields . . . this was the Ground of Contention betwixt them. . . . And it was the Tartness of this severe though true Reflection which created such a resentment in M^r Ray against D^r Morison. . . . M^r Ray had by this time acquired a moderate skill in Botany, and had he applied himself to and kept up a Correspondence with D^r Morison, who was in such a Station as it was no disparagement for him to do so, then they might have compared their Thoughts, and communicated to each other what they found convenient for the Advancement of that Science, by one and the same Method, without endeavouring to multiply Methods, so as to confound the Learners: but when instead of that M^r Ray would needs set up a Method of his own, in Opposition to the other, D^r Morison or any other in his Station, had reason enough to be angry with him for it. . . . So that as D^r Morison had reason to be angry with M^r Ray, it was a great Failing in M^r Ray to have such a Resentment against D^r Morison's Memory, since 'twas M^r Ray who first gave the ground of Offence.

It is, as Blair suggests, a matter for great regret that these two eminent botanists should have been unable to co-operate in promoting the progress of their science. He wrote as a strong partisan of Morison, and his statement of the case is not convincing. It is difficult to understand why the publication of Ray's *Tables of Plants* in 1668 should have been a 'ground of offence' to Morison, seeing that the latter's general ideas of classification, as stated in the *Praeludia*, did not appear until 1669, and his detailed method, as set out in the *Historia Universalis*, not until 1680, and then only in part. Since a charge of plagiarism cannot be maintained, it can only be assumed that Morison felt himself to have been forestalled by Ray and to have missed the distinction of being the first British systematist.

The novelty claimed for Morison's method, as set forth in the *Dialogus*, lies (1) in the grouping of species into genera, and (2) in making use of the fruit as affording a good generic character. He was not, however, the first to express such ideas. A hundred years earlier, Conrad Gesner, in his correspondence had frequently insisted upon the importance of the fruit in distinguishing plants. For instance, in a letter to a friend, dated November 26, 1565 (*Epist. Medic.* 1577, p. 113), asking for botanical specimens, he requests that they may possess flower, fruit, or root :

unum ex his vel duo, vel omnia . . . Ex his enim potius, quam foliis, stirpium naturae & cognationes apparent. His notis (a fructu semine & flore) Staphisagriam & Consolidam regalem vulgo dictam, Aconito facile deprehendi.

Not long afterwards, Cesalpino published his classical treatise (*De Plantis*, 1583), in which a system of classification was propounded based upon the structure of the fruit and seed. Though it would be interesting to discuss this the first attempt at a natural method, it would take too long to do so. A few quotations must suffice to illustrate its principles :

(pp. 28-29) Lib. 1, Cap. XIII. Plantarum quaedam nullum omnino semen ferunt. . . . Quaedam tandem semen perfectum ferunt . . . Cum ad organorum constitutionem tria maxime faciant, scilicet, partium numerus, situs, & figura, . . . natura secundum illorum differentias in fructibus condendis multis modis ludit, ex quibus varia plantarum genera constituta sunt. . . . Si quae autem his differentiae accedant, ex foliis, caulibus, radicibus, aut aliis partibus, quae ad fructus constitutionem non faciunt, . . . idcirco ex illis differentiae, cum iis quae ex fructificatione sumuntur, usque ad species ultimas genera contrahunt.

Finally, there is an important passage in the *Minus Cognitarum Rariorumque Stirpium Ecphrasis* (1616) of Fabio Colonna. The *locus classicus* is on pp. 62-63 of the *pars altera*. Discussing the systematic position of a plant which he calls *Leucoium luteum Aizooides montanum* (= *Draba alpina* L.), he says :

Hanc doctissimus Carolus Clusius videtur sub nomine Aizoi XII descripsisse ob quandam foliorum cum Aizoo similitudinem, quorum effigiem in conferendis generibus parvi facimus, tam in hac, quam in aliis plantis, non enim ex foliis, sed ex flore, seminisque conceptaculo, & ipso potius semine, plantarum affinitatem dijudicamus . . . Praescripsit Dominus Deus Optimus Maximus plantis, ut fructum & semen perficerent juxta genus suum, quod praeteriri non potest, & hucusque ab Herbariis studiosis non animadversum, nec ab ipso Dioscoride, & antiquioribus.

If, then, the principles of Morison's method were neither novel nor original, upon what, it may be asked, is his great reputation as a systematist based? The answer is briefly this. The method of Cesalpino had had no practical effect; it had not been adopted, and had become completely forgotten. Morison resumed the interrupted search after a natural system of classification, a search that has been continued ever since. How great were his achievements in this direction is fairly stated in the following extracts from the writings of two of his most eminent successors in the same field. In the *Isagoge* to his *Institutiones Rei Herbariae* (*Ed. altera*, p. 53, 1700-3) Tournefort wrote :

Legitima igitur constituendorum generum ratio Gesnero & Columnae tribui debet, eaque forte in tenebria adhuc jaceret, nisi Robertus Morisonus, Scotus Aberdonensis . . . eam quasi ab Herbariis abalienatam renovasset, instaurasset, & primus ad usus quotidianos adjunxisset, qua in re summis laudibus excipiendus, longe vero majoribus ac a suis abstinuisset.

Linnaeus gave an appreciation of Morison and his work in the *Classes Plantarum* (1747, p. 33), the essence of which is contained in an undated letter addressed by him to Haller (Smith's *Correspondence of Linnaeus*, vol. ii, p. 281, 1821) :

Caesalpinus appears great to me, inasmuch as he was the father of systematic botanists. Morison was vain . . . yet he cannot be sufficiently praised for having revived system, which was half expiring. If you look over Tournefort's genera, you will readily admit how much he owes to Morison, full as much as the latter was indebted to Caesalpinus, though Tournefort himself was a conscientious investigator. All that is good in Morison is taken from Caesalpinus, from whose guidance he wanders in pursuit of natural affinities rather than of characters.

Morison's system was the subject of much contemporary criticism, from Ray among Englishmen, from Nebel (in the notes to his edition, 1700, of Paul Amman's *Character Plantarum*) among foreigners. In particular he was reproached with having failed to recognize the value of the work of the brothers Bauhin, and to admit his obligations to his predecessors Gesner, Cesalpino, and Fabio Colonna. The ground for this reproach was his perpetual reference to the *hallucinationes* of the Bauhins, and his repeated assertion that his method was the product of his own unaided efforts. For instance, he says in the *Dialogus* (p. 464) :

Methodum me observasse fateor : estque omnium, quae unquam adhuc

fuerunt exhibitae, praestantissima & certissima quippe a natura data, a me solummodo (citra jactantiam) primum observata.

It cannot be denied that there is some justification for this reproach, especially as regards the relation of Morison to Cesalpino. That he was very familiar with the system of Cesalpino is proved by what is apparently Morison's copy of the *De Plantis*, preserved in the Library at the Botanic Garden. Its margins bear many MS. notes which, as the language of some of them proves, could hardly have been written by any one but himself. Further, as Whewell has pointed out (*History of the Inductive Sciences*, vol. iii, ed. 3. p. 250), Morison's preface to his volume of the *Historia* contains, on the second page, a sentence (beginning *Cum igitur scientia omnis in similibus collectione & dissimilibus distinctione consistat . . .*) copied word for word from Cesalpino's dedication (p. 4) of his *De Plantis*. It is difficult to conceive that such close study of Cesalpino's book suggested nothing to Morison. He learnt much, no doubt, from the book of Nature, but certainly not all that was required for the construction of his system of classification.

However, it is not necessary to pursue here these personal questions; the less so as they are fully discussed, much in Morison's favour, by Blair in his essay 'Of the different Methods of disposing Plants' (*Botanick Essays*, 1720).

The practical working of Morison's method was first demonstrated in his *Plantarum Umbelliferarum Distributio Nova* (1672), which is interesting as the earliest systematic monograph of a group of plants. He did not originate the group, for it is to be found already constituted in Cesalpino's *De Plantis* (1583) as '*universum genus Ferulaeum*', and in Bauhin's *Pinax* (1623) as *Umbelliferae*; but he reconstituted it by excluding from it, as *Umbellae improprie dictae*, certain genera that had been erroneously included in it, though he gives descriptions of them, viz.: *Valeriana*, *Valerianella*, *Valeriana Graeca* (= *Polemonium caeruleum* L.), *Pimpinella Sanguisorba* (= certain species of *Poterium*), *Filipendula* (= *Spiraea Filipendula* L.), *Barba Caprae* (= *Spiraea Aruncus* L.), *Thalictrum*,—thus reducing it to something like its present limits. Exactly how he applied his method to these plants, and what was his idea of a genus, will be gathered from the following outline of his arrangement of them.

In the Preface, addressed to the Reader, he states very definitely the nature of his method: that the generic characters are taken from the seed [fruit], the specific characters from the features presented by

root, leaf, or stem, or from other properties such as taste, smell, or colour: '*Hic est ordo a natura ipsa stirpibus ab initio datus, a me primo jam observatus*'; and adds that his collection contains more than two thousand different kinds of 'seeds', by which he means fruits. In the brief introduction, he says, that, in accordance with the form of the seed, the Umbelliferae fall into nine classes or subsidiary genera, which he then proceeds to describe in detail, thus:

- Genus 1. Umbellae Piliferae: semine fungosa substantia obducto.
Cachrys, seu Libanotis cachryfera.
- Genus 2. Umbellae striato semine donatae.
- A. foliis foeniculaceis,
a, semine striato majore donatae: includes, *Foeniculum*, *Cuminum*, *Meum Athamanticum*:
b, semine striato minore donatae: incl. *Meum spurium*, *Bulbocastanum*, *Selinum pumilum montanum*, *Saxifraga pannonica*, *Visnaga seu Gingidium*.
- B. lobatae majores; semine striato majore donatae: *Levisticum*, *Siler montanum*, *Siler aquilegiae foliis*, *Angelica*, *Imperatoria*, *Astrantia*, *Smyrniium*.
- C. lobatae minores; semine striato minore donatae: *Sisarum*, *Pimpinella saxifraga*, *Sison*, *Sium* (terrestre, aquaticum).
- D. foliis plurifariam divisis; semine striato majore donatae: *Seseli* (frutex, herba), *Cicuta*, *Oenanthe*, *Crithmum*.
- E. foliis plurifariam divisis; semine striato minore & brevior donatae: *Ammi*, *Apium*, *Carum seu Carui*, *Anisum*, *Pyrethrum*.
- F. foliis quid peculiare referentibus, semine striato donatae:—*Perfoliata*, *Bupleurum*.
- Genus 3. Umbellae semine alis foliaceis cincto donatae.
Laserpitium.
- Genus 4. Umbellae semine ala foliacea cincto donatae:
Thapsia.
- Genus 5. Umbellae semine villoso seu hispido donatae.
Pastinaca tenuifolia (*Daucus*, seu *carota*).
- Genus 6. Umbellae semine echinato seu aculeato donatae.
Caucalis.
- Genus 7. Umbellae semine foliaceo subrotundo.
- (a) foliis foeniculaceis donatae; *Ferula*, *Panax Asclepium*, *Ane-
thum*, *Peucedanum*.
- (b) foliis lobatis donatae; *Sphondylium*, *Pastinaca latifolia*, *Tordy-
lium*, *Panaces peregrinum* Dod.
- (c) foliis multifariam divisis donatae; *Oreoselinum*, *Libanotis
nigra Theophrasti* (*Saxifragia Venetorum* Lob.), *Thysselinum*
Dod., *Sesseli palustre lactescens* C. B. P.

Genus 8. Umbellae rostratae; Myrrhis.

Genus 9. Umbellae rotundae, seu testiculatae; Coriandrum.

This arrangement of umbelliferous plants, and still more the eight illustrative diagrams (*Tabulae cognationis et affinitatis*), betray a remarkable sense of the relationships of the plants constituting the group: it is probably the first instance in botanical literature of anything of the kind. Another novel feature of the book is the presentation, on the first of the twelve plates, of a series of figures of the fruits of the plants described, summarizing the evidence upon which the arrangement of them was mainly based. It will be remarked that Morison's idea of a 'genus' is obviously very different from that of post-Linnean times: his genera are comparable with the sub-orders and tribes, his sub-genera with the genera, of more modern systematists.

A more extended application of his method is to be found in the *Plantarum Historiae Universalis Oxoniensis pars secunda*, the only portion of the great work that was published by Morison himself, though this covers only five of the fifteen *Sectiones* in which he arranged herbaceous plants. Inasmuch as the full details of it are given in the body of this present book, it is only necessary here to consider it generally. The five *Sectiones* are the following:

Sectio Prima. De Bacciferis & Scsudentibus.

This includes the Cucurbitaceae, *Clematis*, *Convolvulus*, the Hop.

Sectio Secunda. De Leguminibus.

This includes the herbaceous Leguminosae: but with the trifoliolate forms there are associated such plants as *Oxalis Acetosella*, *Epimedium*, as also the Rosaceous genera *Fragaria*, *Potentilla*, and *Alchemilla*.

Sectio Tertia. De Siliquosis tetrapetalis.

This includes the Cruciferae, with species of *Chelidonium*, *Fumaria*, *Epilobium*, *Papaver*, *Hypecoum*, *Impatiens*, *Corchorus*, *Zygophyllum*, *Leontice*, *Capparis*, *Soldanella alpina*, *Veronica*, *Polygala*.

Sectio Quarta.

Distributio Prima, de Plantis hexapetalis tricapsularibus.

This includes the herbaceous Monocotyledons, excepting the Gramineae and Cyperaceae.

Membrum secundum: consisting of species of *Anemone* and *Ranunculus*, with Caryophyllata (= *Geum* and *Dryas*).

Sectio Quinta. The plants included in this section are so numerous and so various that it is not possible to give a complete analysis of it: a brief summary will suffice to give some idea of its constitution:

- De *Tricapsularibus* ;
 lactescentibus monopetalis : *Campanula* ;
 pentapetalis ; *Hypericaceae*, *Viola* ;
 De *Monopetalis bicapsularibus* : *Solanaceae* ; *Scrophulariaceae* ;
 De *Tetrapetalis quadricapsularibus* : *Ruta* ;
 De *Pentapetalis* ;
 quinquecapsularibus : *Geranium* ;
 mollientibus : *Malvaceae* ;
 unicusularibus : *Caryophyllaceae* ; *Primulaceae* ;
 capsulis oblongis bifidis : *Gentianaceae* ;
 capsulis pluribus loculentis donatis : *Linum* ;
 spicatis semine tumido triangulo donatis : *Potamogeton* ;
 semine triquetro seu triangulari donatis : *Polygonaceae* ;
 De *Mollientibus* ;
 floribus herbaceis : *Chenopodiaceae* ; *Parietaria* ;
 floribus herbaceis seminum involucris hirsutis : *Mercurialis*.

From this summary, with a rough approximation to the modern equivalents of the plants included in the various sub-divisions, it may be gathered that Morison's system sufficed to group together many plants according to their true affinities. The best results were attained when the principle of taking the chief character from the fruit was rigidly adhered to : but even then mistakes were made, as, for instance, the association of *Potamogeton* with the *Polygonaceae*. But when Morison departed from this his own principle, and took the chief character from other parts, the mistakes were many and serious. Thus the association of plants in *Sectio I*, based upon the climbing habit, is altogether unnatural. Again, the association of Rosaceous genera with the *Leguminosae* in *Sectio II* was the result of attaching too much importance to the form of the leaf : similarly, the heterogeneous medley of plants in *Sectio V* was mainly due to his taking the chief character, sometimes from the fruit, sometimes from the number of the petals, or from the properties (*De Mollientibus*) of the plants.

Another important departure from his previously expressed view is at once apparent on glancing at the pages of the *Historia*. Morison had insisted upon the grouping of plants into genera and sub-genera, and in the work on the *Umbelliferae* he had, as already shown (p. xl), conscientiously carried this out. But in this respect the *Historia* differs from the specimen : in the former the plants of a *Sectio* are not grouped into *Genera*, as in the latter, but into *Capita*, each *Caput* consisting of the description of one or more plants. Usually each *Caput* bears a name, or more than one name, or a descriptive title :

in the former case it may be regarded as establishing a genus, but not in the latter. The result is an indefiniteness which is inconsistent with the statement of his method in the preface: *Primo in generibus longe patentibus singularum Sectionum notam genericam & communem unicuique generi superiori assignamus; Secundo, notas subalternerum generum.*

The result of these vagaries is that the *Historia* is somewhat disappointing. Both the book itself and the system embodied in it have proved much less effective than they ought to have been had the author adhered more rigidly to his own principles.

The descriptions of plants, including as they do the habitat, time of flowering, and properties, with a paragraph on the inevitable *Hallucinationes Casp. Bauhini aliorumque Authorum*, are so full that there is little wonder that Morison could not complete more than a small portion of his task in the fourteen years that he devoted to it.

A few words must be said concerning the illustrations, which are a most important feature of the work. As there are 126 plates with an average of 12 figures on each, the total number of plants represented must be about 1,500. The figures are very clear and good of their kind; but it is a question how many of them are original. Pulteney (*Progress of Botany*, vol. i, p. 310, 1790) says that they were chiefly copied from other authors; and it is certain that some of them, at any rate, were taken from the *Ecphrasis* of Fabio Colonna (1616). More than half of the plates do not bear an artist's signature; of the rest, some bear the names of both the artist and the engraver, others the name of the engraver only. A good many were drawn by Guil. Sonmans and were engraved by Fred. Hend. van Hove, Burghers, Guil. Faithorne, Hub. Dan. Otteren (*Leodensis*), Vaughan, Rob. White, and Abr. Blootling: a few were drawn by Franc. Barlow and engraved by F. H. van Hove, D. Loggan, and Burghers. Of those that bear only the name of the engraver, thirteen are signed by Burghers, only one by Loggan. Morison had been so successful in obtaining the support of a number of distinguished persons, that all the plates were provided by them; each plate bears the name and arms of the donor.

The treatise on the Umbelliferae and the *Pars Secunda* of the *Historia* are the only documents written by himself that give any definite idea of Morison's system of classification; and these deal with but a small part of the Vegetable Kingdom: further information as to the general application of the system is only to be found in the work of the younger Bobart. In his volume of the *Historia*, the

Pars Tertia (1699), Bobart gives a *Botanologiae Summarium*, which is an outline of the classification of herbaceous plants in fifteen *Sectiones* or classes according to Morison's plan. But this is still an incomplete account of the system, since the trees and shrubs are not included. The only complete published statement of it is to be found in an anonymous tract of twelve pages, the *Historiae Naturalis Sciagraphia*, Oxon., MDCCXX, which is attributed to Bobart, though it was not published until after his death. The substance of it is certainly Bobart's work, for the enumeration of the herbaceous plants is an exact reprint of the *Botanologiae Summarium* just mentioned, and the arrangement of the trees and shrubs agrees with that in a MS. in Bobart's writing which is in the Library of the Botanic Garden, and is reproduced on p. 231. As it is a scarce work, the *Sciagraphia* is here reprinted *verbatim*. The modern equivalents of the plants mentioned are given in the body of this book.

HISTORIAE NATURALIS SCIAGRAPHIA.

Botanologiae Summarium.

Planta Nomen est Vegetabili commune. Estque vel *Lignosa* vel *Herbacea*. *Lignosa* est vel *Arbor*, *Frutex*, *Suffrutex*.

I. ARBOR, Δένδρον, est *Planta Lignosa* crassitudine & altitudine inter omnes maxima, cui Caudex pro superficie est, perennis & natura simplex, qui in multis ramulos majores & deinde ramusculos multiplices finditur, ut *Quercus*.

II. FRUTEX, Θάμνος, est stirps inter *Lignosas* altitudine & crassitudine mediocris, cui pro superficie stipes perennis, natura multiplex, quique facile in Naturam Arborum stolonum abscissione transcendit, ut *Viburnum*.

III. *Suffrutex*, Φύλλον, est stirps minimae inter *Lignosas* & crassitudinis & altitudinis, caule perenni, interdum simplici, interdum multiplici & sarmentoso, ut *Dulcamara*.

I. ARBORES.

Coniferae ; semper virentes : *Cedrus*, *Abies*, *Pinus*, *Cupressus*, *Arbor Vitae*.
foliis deciduis : *Larix*, *Alnus*, *Tulipifera*, *Betula*, *Leucodendros*,
Conophorus, *Arbor venenata*.

Glandiferae ; foliis deciduis : *Quercus*.
semper virentes : *Ilex*.

Nuciferae ; fructu involuto : *Nux Juglans*, *Nuces exot. variae*, *Castanea*, *Fagus*,
Avellana, *Orleana* s. *Achiot*, *Corylus*.
fructu nudo : *Laurus*, *Pistacium*, *Camphorifera Arbor*, *Cinnamonum*, *Malabathrum*.

- Pruniferae** ; foliis deciduis : *Prunus*, *Armeniaca* *Malus*, *Persica* *Malus*, *Amygdalus*, *Cortex Peruvianus*, *Anacardium orient.*, *Manghas domest.*, *Prunus Sebestena*, *Ziziphus s. Jujuba*, *Cerasus*, *Lotus Arbor*, *Santalum*, *Azedarach*.
semper virentes : *Olea*, *Oleaster*, *Laurocerasus*.
- Pomiferae** ; polypyrenae fructu umbilicato : *Malus*, *Pyrus*, *Malus Cydonia*, *Anacard. Occident. Cajous.*, *Sorbus sativa*.
floribus fructum subsidentibus : *Malus Aurantia*, *Limonia*, *Citria*, *Punica* ; *Guaiva*, *Papaya*, *Vitelli*, *Yam*, *Anona*, *Cucurbitifera* *Apioscoridon*, *Massinilia*, *Igasur* ; *Canoram*, *Nux vomica*.
floribus intra fructum occultatis : *Ficus*, *Balsamum rupestre*, *Canchramidea*.
- Bacciferae** ; Monopyrenae : *Terebinthus*, *Lentiscus*, *Molle*, *Sassafras*, *Cocculus Indica*, *Taxus*.
Dipyrenae : *Alnus nigra*, *Caryophyllus aromaticus*, *Angolan forte Hort. Mal.*
Tripyrenae : *Juniperus*.
Tetrapyrenae : *Agrifolium*, *Arbor Amer. quinquenervia*.
Polypyrenae s. pluribus acinis : *Morus*, *Arbutus*, *Baccifera orient.*, &c.
Polypyrenae flore fructui insidente : *Sorbus*, *Mespilus vulg. apii folio*, *Guajacum Patavinum*, *Pishamina virginiana*.
- Siliquosae** ; Monophyllae : *Arbor Judae*, *Barbadiens. laurinis foliis*, *Faginis foliis Amer.*
Diphyllae : *Arbor Divi Thomae*, *Ceratia Diphyllus*, *Unguis Cati*.
Triphyllae : *Arbor Coral*, *Phaseolus marit. purgans*, *Anagryris*.
Polyphyllae s. foliis lobatis : *Coral Arbor polyphyll.*, *Corallinum Lignum*, *Carobe officinarum*, *Cassia fistula*, *Tamarindus*, *Acacia*, *Gallegae affin. Malabar*.
- Fructu Membranaceo** ; foliis integris : *Acer*, *Carpinus*, *Triopteris*, *Arbor tristis*, *Ulmus*, *Tilia*.
foliis alatis : *Fraxinus*, *Guajacum Jamaic.*
- Lanigeræ non Juliferae** : *Platanus*, *Gossipium*.
- Juliferae & Lanigeræ** : *Populus*, *Salix*.
- Palma**, sui generis arbor.

II. FRUTICES.

Conifer : *Aethiopicus foliis Rusci*.

Nuciferi : *Staphylo dendron*, *Styrax*, *Thea*.

Pruniferi : *Amygdalus Indica nana*, *Cornus Mas*.

Bacciferi : Monopyreni, foliis deciduis :—

Cornus foemina, *Viburnum*, *Sambucus Aquat.*, *Rammi Albi*, *Mezereon*, *Thymelaea & Cham.*, *Rhus*, *Myrto Brabant. affin.*

Cotinus Matth., *Agnus Castus*, *Cassia Poetica*, *Arbuscula Zeylan.*,
Calabura, *Tsjeriam cottam Hort. Mal.*

semper virentes :—

Phillyrea, *Laurus Tinus*, *Laureola*, *Frutex Baccif. Canar.*, *Arbusc.*
Baccif. Canar., *Arbor Sinens. Canellae fol.*

Dipyreni : *Ligustrum*, *Berberis*, *Perichlymenum erect.*, *Onopliae*
species Bellon., *Frutex Baccifer Indicus.*

Tripyreni ; semper virentes : *Sabina*, *Alaternus*, *Buxus*,
Chamaelea tricoccos, *Erica Baccifera.*

foliis decidua : *Sambucus*, *Lycium*, *Paliurus*,
Arbusc. trifol. Kudhumeris.

Tetrapyreni : *Euonymus*, *Theae species e China*, *Arbuscula*
Jamaicensis 5-nerv., *Ulmi facie Arbusc. Aethiop.*

Polypyreni ; semper virentes : *Myrtus*, *Pyracantha*, *Vitis Idaea*,
Polygala Arborea Myrti fol., *Phyllanthos Amer.*

foliis deciduis : *Rhamnus Catharticus*, *Rosa*, *Grossu-*
laria, *Ribes*, *Chamaemespilus*, *Alni effig. lanato fol. minor.*

Leguminosi ; **Trifoliati** : *Genista*, *Aspalathus*, *Cytisus*, *Nil.*

foliis alatis : *Colutea*, *Barba Jovis.*

Binia Loculamentis distincti : *Adhatoda*, *Syringa arabica.*

Capaulis tetragonis : *Syringa Italica*, *Tetragonocarpus Africana.*

pentagonis : *Cistus.*

Multicapsulares : *Cistus Ladanifer*, *Spiraea*, *Rhus myrtifol. Monspel.*, *Erica*,
Lewisanus, *Frutex Ambram spirans.*

Lanigeri : *Salix*, *Tamariscus*, *Nerium.*

III. SUFFRUTICES.

Scandentes ; **Capreolis** : *Vitis*, *Clematis Amer. capreolal.*, *Syringa scandens*,
Smilax Aspera.

Viticulis : *Perichlymenum*, *Jasminum*, *Dulcamara*, *Arbusc. plicatilis*,
Rubus, *Capparis*, *Clematis.*

Radiculis : *Hedera.*

Herba, seu *Planta herbacea*, est, quae folia mollia, primo a radice, deinde caules, flores & semina prodit, & annuo interitu supra terram perit. Quaedam autem Plantae sunt *Perennes*, radice vivaci donatae ; aliae *Annuae*, quae toto pereunt, & e semine sato quotannis renovantur. Harum differentiae notaeque essentiales a seminibus capaulisque seminalibus enunciantur, & ab iis in 15 Classes Sectionesve dividuntur. Quarum Primum locum sibi vendicant

IV. HERBAE.

1. **Scandentes**, ob analogiam & conformitatem quam cum *Suffruticibus* tenent : Ad eundem enim modum, vel *Caulium*, vel *Capreolorum* beneficio scandunt. In trea distributiones dividendae veniunt.

Sunt vel Bacciferae, ut *Bryonia*, &c.

Pomiferae, *Cucumis*, *Melo*, *Pepo*, &c.

Campanulatae, *Convolvulus* ejusque species.

2. Leguminosae floribus papilionacea, & siliquis bivalvibus, eaeque sunt vel Siliquis Propendentibus; *Pisum*, *Lathyrus*, *Vicia*, &c.

„ Erectis; *Faba*, *Lupinus*, *Gallega*, &c.

„ Gemellis; *Astragalus*, *Tragacantha*, &c.

„ Articulatis; *Onobrychis*, *Scorpioides*, &c.

Trifoliatae: *Trifolium*, *Melilotus*, *Foenum graecum*, *Anonis*, *Lotus*, &c.

3. Siliquosae Tetrapetalae Bicapsulares, quibus singula siliqua longa, succedens flori tetrapetalo, septam seu membranulam habet mediam, duplicem seriem seminum disterminantem. *Brassica*, *Rapum*, *Sinapi*, *Eruca*, *Leucoium*, &c.

Hisce adjiciuntur quaedam Tetrapetalae, siliquis bivalvibus, at septo medio destitutis donatae. *Chelidonium majus*, *Fumaria*, *Lysimachia*, &c.

Tetrapetalae Siliculosae sunt, quae brevioribus siliculis curtis, quasi cordiformibus, duplicem tamen seminum seriem continentibus, praeditae sunt: Et axioma pene existimatur, quod omnis Planta tetrapetala est siliquosa, vel siliculosa, & omnis siliquosa est tetrapetala. *Thlaspi*, *Nasturtium*, *Bursa pastoris*, *Myagrum*, *Veronica*, *Polygala*, &c.

4. Tricapsularea Hexapetalae sunt vel radicibus

Fusifformibus, *Asphodelus*, *Phalangium*.

Tuberosa, *Crocus*, *Gladiolus*, *Iris*, &c.

Bulbosis, *Narcissus*, *Hyacinthus*, *Cepa*, &c.

Squamatis, *Lilium* ejusque species.

5. Tricapsulares Campanulatae, *Campanula*, *Trachelium*, &c.

Pentapetalae, *Hypericum*, *Androsaemum*, &c.

Monopetalae bicapsulares, *Digitalis*, *Scrophularia*, *Verbascum*, &c.

Tetrapetalae quadricapsulares, *Ruta*.

Pentapetalae Quinquecapsulares, *Geranium*.

Emollientea seminibus stylum nutritivum rotatim cingentibus, *Malva*, *Alcea*, *Athaea*.

Unicapsularea, *Lychnis*, *Alsine*, *Caryophyllus*, &c.

Seminibus triangularibus, *Lapathum*, *Rhabarbarum*, *Acetosa*, &c.

Semin. nigris splendidibus, *Amaranthus*, *Blitum*, &c.

6. Corymbiferae seu Corymbosae, quarum flores denseveniunt in summis caulibus, ad instar baccarum *Hederae*, corymbatim dispositi; qui vel nudi sunt, ut *Tanacetum*, *Balsamita*, *Absinthium*, &c. Vel stellati, i. e. petalis radiatim umbonem cingentibus donati; quorum umbo vel discus ex plurimis minutissimis flosculis luteis tubulosis compositus est: quibus

singulis singulum succedit *semen solidum*, ut plurimum quadrangulare. Habita ratione florum seu petalorum umbonem cingentium, quadri-fariam dividuntur. Sunt vel

Floribus Aureis, *Tanacetum*, *Abrotonum*, *Calendula*, *Chrysanthemum*, &c.

„ Eranthemis sive rubris, *Flos Adonis*.

„ Albis, *Bellis*, *Matricaria*, *Chamaemelum*, &c.

„ Lanthinis seu caeruleis, *Scabiosa*, *Xeranthemum*.

7. Flosculis Stellatis praeditae, sed haec sectio eas continet,

1°. Quarum ex qualibet parte rupta, succus emanat lacteus, & semina producantur solida, non papposa, & idcirco *Plantae Lactescentes non papposae* dicuntur. *Cichorium*, *Endivia*.

2°. *Lactescentes papposae*, quarum semina quoque oblonga, pappo seu lanugine summo semini adnascente donata, venti ludibrio avolant; quales sunt, *Lactuca*, *Sonchus*, *Hieracium*, &c.

3°. *Non Lactescentes Pappescentes*, hae autem sunt, *Jacobaea*, *Conyza*, *Aster*, *Doronicum*, &c.

4°. *Papposae capitatae*; Eae vero sunt, *Carduus*, *Iacea*, *Cinara*, &c. Atque omnes binis hisce Sectionibus jam dictis contentae, floribus donantur compositis; quibus post singulos evanidos, singulum succedit semen.

8. *Culmiferae* seu *Calamiferae*; *Cerealia* & *Gramina Dictae*, hae vel *Granis sunt nudis seu decorticatis*, *Spicatae*, *Triticum*, *Secale*, *Phalaris*, &c.

Jubis sparsis, *Milium*, *Sorghum*.

„ „ *tunicatis seu corticatis*, *Spicatae*, *Hordeum*, *Zea*, &c.

Jubis sparsis, *Oryza*, *Avena*, &c.

Et notandum est, quod *Gramina* proximae affinitatis, majoribus statim succedunt, quae *Cerealia* appellantur, & *Gramina* tantum sunt praestantiora, v. g. *Gramina turcica*, *Tritico*; *Gramina avenacea*, *Avenae* succedunt, & ita deinceps. Atque hae omnes post singulae flores dehiscetes, singula producant semina.

9. *Umbelliferae* sunt eae e quarum caulium summitatibus plurimi petioli, flores pentapetalos & semina gerentes, ex eodem centro radiatim nascuntur. Post quarum singulos flores marcescentes, biua sequuntur semina simul juncta; ob formas variae in novem subalterna genera disponuntur. *Umbelliferae* sunt vel

1. *Piliferae*, quarum semina substantia fungosa obducta sunt. *Cachrys*, &c.

2. *Semine rotundo vel testiculato*, *Coriandrum*.

3. „ *breviore striato*, *Foeniculum*, *Levisticum*, *Cicuta*, &c.

4. „ *longiore striato, & non striato*, *Myrrhis*, *Cerefolium*, *Scandix*.

5. „ *villosa seu hispido*, *Daucus sive Carota*.

6. „ *echinato seu aculeato*, *Caucalis*.

7. Semine rotundo compresso, *Ferula, Pastinaca, Oreoselinum, &c.*

8. „ ala foliacea cincto, *Thapsia*.

9. „ alis foliaceis cincto, *Laserpitium*.

Hiscæ adnectuntur *Plantæ stellatæ*, quarum folia ad caulium nodos, per intervalla dispositos, atellatim sive radiatim proveniunt; quibus etiam post singulos flosculos decedentes, bina succedunt semina.

Sunt Floribus Luteis, ut *Rubia*.

„ Albis, ut *Asperula, Aparine, &c.*

„ Caeruleis, purpureisque, *Rubeola, &c.*

10. **Tricoccae Purgatrices.** Hæc sub unico flore, conceptaculo triquetro, terna habent semina. Sunt vel *Lactescentes*; *Tithymallus, Esula, Pityusa, Euphorbium*: Vel non *Lactescentes*; ut *Ricinus ejusque species*. Istæque ut plurimum purgatriceæ sunt.

11. **Monopetalæ Tetracarpæ, Galeatæ Verticillatæ, & Odoratæ** vulgo dictæ. Harum caules quadrati, flores plurimos, tubulosos, ex singulis nodis verticillatim dispositis, gestant; in quorum calycis (ut plurimum quinquepartiti) fundo quatuor nascuntur semina.

Ex triplici Verticillorum dispositione, triplex oritur divisio.

Sunt vel 1. *Spicatæ*, quarum verticilla sibi invicem summitatibus incumbentia, contigua, spicam constituunt, *Lavendula, Stoechas, Prunella, Betonica, &c.*

2. *Verticillis densius per intervalla dispositis, Pulegium, Marrubium, Stachys, Horminum, &c.*

3. *Verticillis rarius per intervalla dispositis, sive pediculis adhaerentibus donatæ, Thymus, Acinos, Melissa, &c.*

Hiscæ adjiciuntur Galeatæ non Verticillatæ, *Verbena, Euphrasia, &c.* Et Verticillatæ non galeatæ, *Urtica*.

Et prædictas, naturali ordine, sequuntur *Monopetalæ tetracarpæ asperifoliae*, quibus fundo calycis, sub singulo flore tubuloso, quatuor insident semina. Quales sunt *Borago, Buglossum, Echium, Symphytum, &c.*

12. **Multialiquæ Polyapermæ, & Multicapsulææ**; quibus singulis excussis floribus, conceptacula nunc plura nunc pauciora, corniculata, ad exortum juncta, & superius divisa, siliquas æmulantia, semina incerto numero continentia, succedunt. Hæc sunt *Paeonia, Aquilegia, Helleborus, Delphinium, Sedum, &c.* Vel 2da hujus aeriei Distributio *Multicapsulææ* continet, quarum semina post singulos flores evanidos, vasculis communi operculo circumdati, & plurimis cellulis membranaceis, intus divisi, continentur; quales sunt *Nigella, Papaver, Nymphaea, Aristolochia, &c.*

13. **Bacciferæ**, quibus singulis floribus numeroa etiam succedunt semina, arillæ, seu acini, baccia sive fructibus humidis inclusa, pulpa intermixta, & pellicula communi tecta, absque membranula intus disperitiuntur. *Solanum, Mandragora, Herba Paris, Polygonatum, &c.*

14. **Capillares Epiphylopermae**, sic a radicibus capillorum tenuium instar fibrosæ, & seminibus in aversa foliorum parte, maculis lineisque

adnascentibus, dictae: ob quorum seminum exiguitatem, nudis oculis vix conspicuorum, non ut in praecedentibus, distinctiones ab iis extrahi possunt, sed a foliorum formis ac dispositionibus oriuntur inter se discriminationes.

1. Sunt foliis integris, ut *Phyllitis seu Lingua cervina, Hemionitis, &c.*
2. Foliis sinuatis, undulatis, non ad costam usque divisis, quae aversa foliorum parte rubigine furfuroso toto obducuntur. *Asplenium sive Ceterach.*
3. Cujus foliorum alae longiores, non ad costam penitus incisae, maculis ruffis in dorso sunt insignitae. *Polypodium.*
4. Quarum foliorum alae integrae ad costam mediam usque divisae sunt. *Lonchitis.*
5. Eae sunt quae pediculo pallido donantur, & alae ipsae ad nervum usque divisae sunt, eaeque non ramosae vel ramosae sunt. *Filices.*
6. *Adianta* nominantur eae, quarum caules, seu potius pediculi (caules enim proprie loquendo hae plantae non habent) politiori nitore nigricant, foliaque sicca, aqua non madescent.

15. Plantae quaedam restant *Heteroclitae seu Anomalae*, quae a notis characteristicis jam explicatis, ad Methodum antedictam reduci non queant, eaeque sunt vel *Terrestres*, vel *Aquaticae*; quarum divisiones elenchus, alibi exhibendus, fusius explicabit.

The question naturally arises as to the degree in which the classification of the *Sciagraphia* actually represents Morison's ideas. Assuming that Bobart was, directly or indirectly, the author of it, some estimate may be formed by examining his treatment of those groups that had already been dealt with by Morison: they are the Umbelliferae and *Sectiones* I-V of the herbaceous plants. With regard to the Umbelliferae, although Morison had published his monograph of the group, Bobart included it in his *Pars Tertia* in its proper place as *Sectio IX*. A comparison of Bobart's arrangement of the group in the *Pars Tertia* and that in the *Sciagraphia*, which is almost the same, with Morison's, shows that he followed Morison in all essentials, though with some deviations in detail: he excludes *Valeriana* from the *Umbelliferae improprie dictae*, and follows Ray in associating the *Plantae Stellatae* (Rubiaceae) with the Umbelliferae. With regard to the *Sectiones* I-V, there are several divergences between the *Sciagraphia* and Morison's work: some of these may be merely the result of compression, but others are so marked that they must have been intentional. For instance, in the *Sciagraphia*, *Clematis* is moved from *Sectio I*, where Morison placed it, to the *Suffrutices*: in *Sectio II*, Morison's *Trifolia pentapetala acida*

(Oxalidaceae), *Trifolia Pentapetala* (*Fragaria*, *Potentilla*), and *pentaphyllis affines* (*Alchemilla*, *Epimedium*) are rightly removed from their association with the Leguminosae, though they do not appear to have been placed anywhere else: similarly, in *Sectio* III, Morison's *Siliquosae Tetrapetalae bi-multi-capsulares* (*Papaver*, *Argemone*, *Hypecoon*) are omitted, *Papaver* reappearing in *Sectio* XII; as also the *Siliquosae multicapsulares variantes et floribus et capsulis* (*Balsamina*, *Corchorus*, *Capparis*, *Chrysogonon*, *Soldanella*), *Capparis* being placed among the *Suffrutices*: finally, the *Sectionis Quartae membrum secundum* of Morison (Ranunculaceous genera, with *Geum*) disappears.

It is clear that Bobart, both in the *Pars Tertia* and the *Sciagraphia*, did not hesitate to alter Morison's system; and it must be admitted that such alterations as can be traced are decided improvements. These were probably inspired by Ray: of this a comparison of the *Pars Tertia* and of the *Sciagraphia* with Ray's *Methodus Plantarum Nova* (1682) affords sufficient evidence. The *Sciagraphia* must then be regarded as Morison's system modified by Ray's influence upon Bobart. However, enough of Morison's original framework remains to make the classification of the *Sciagraphia* sufficiently characteristic for the purposes of criticism; and it was from this that Linnaeus drew his estimate, in the *Philosophia Botanica* (p. 18), of Morison's position as a systematist—*Morisonus est Fructista cum Physiognomis & Corollistis conspirans*: that is to say, the method of Morison is based upon the fruit, but the habit of the plant, and the structure of the corolla, are also taken into account.

Morison's system was not destined to meet with general acceptance or to achieve permanence. On the Continent it was maintained for a time by Paul Amman, Professor at Leipzig (*Character Plantarum Naturalis*, ed. 1685), and was made use of, with some modifications, by the 'Fructistae', such as Christopher Knaut, Professor at Halle, in his *Enumeratio Plantarum circa Halam Saxonum sponte provenientium*, 1687, and Paul Hermann, Professor at Leyden, in his *Florae Lugduno-Batavae Flores* (ed. Zumbach), 1690. In his own country it was adopted by no botanical writer, but was at once superseded by, and to some extent absorbed into, that of Ray. With the advantage of a long period of productive activity, extending over more than thirty years, Ray was able not only to promulgate his system in its entirety, but also to revise and remodel it, so that it became the foundation of the Natural System propounded by Antoine Laurent de Jussieu in 1789. The relation between Morison and Ray is well expressed by Linnaeus in the *Classes Plantarum*, as follows:

Quamprimum Morisonus artis fundamentum restaurasset, eidem mox suam superstruxit methodum Rajus, quam dein toties reparavit, usque dum in ultima senectute emendatam & auctam emitteret.

But though Morison's labours were not so successful as those of Ray, yet his merits must not be overlooked: it must not be forgotten that—to quote Linnaeus once more:

Ille tamen faces extinctus incendit, a quibus ignem mutuati sunt subsequentes, quibus datum ad lucidum magis focum objecta rimare.

JACOB BOBART THE YOUNGER.

There is but little material available for a biography of the younger Bobart. He appears to have been born about 1640, and the first mention of him is on the title-page of the second edition of the *Catalogus Horti Botanici Oxoniensis*, 1658, where it is stated that he, as well as his father the elder Bobart, was consulted by the authors (see p. xxii). Young as he then was, he seems to have already acquired a good knowledge of plants and to have been competent to assist his father, whom he succeeded as Keeper of the Physic Garden in 1679.

Bobart's name does not emerge again until after Morison's death in 1683, when, as it is recorded in the *Vita*, Dr. Fell, Bishop of Oxford and Dean of Christ Church, one of the Delegates of the Press, entrusted to him the great collection of seeds upon which Morison's system was based, together with fifty engraved plates and as many drawn plates of figures of plants, in order that he might complete the *Historia* which Morison had left unfinished. With the same object, Obadiah Walker, Master of University College, also a Delegate of the Press, acting on the instructions of the Vice-Chancellor (*jussu Principis Orbis Academiae*), made over to Bobart what Morison had written, and a stipend was granted to him for the work. No one could have been more appropriately selected, since Bobart was not only a skilled botanist but had been for years closely associated with Morison and had, no doubt, been fully instructed by him in his system of classification. Dr. Fell did all that he could to promote the undertaking, employing draughtsmen and engravers upon the plates of figures that had still to be prepared. Unfortunately he had not long to live: he died in 1686, and in consequence of his death and of the political troubles of the time the progress of the work was arrested. However, five years later, when Dr. Aldrich, Dean of Christ Church, was Vice-Chancellor, the matter was taken up again,

at the instigation more especially of Dr. Timothy Halton, Provost of Queen's College and Archdeacon of Oxford; Dr. Jonathan Edwards, Principal of Jesus College; and Dr. Arthur Charlett, Master of University College. From this time (1691) onwards, Bobart devoted himself continuously to the writing of the *Pars Tertia* of the *Historia* which was eventually published in 1699.

Bobart seems to have been greatly disheartened by the delay of five years mentioned above; and the conditions under which he carried on the Physic Garden seem to have become unsatisfactory. In the University Archives there is a volume (W. P a. 60) containing letters and papers relating to the Physic Garden at this period, notably the correspondence concerning the foundation of the Sherardian Professorship, and among them is an undated memorial addressed by Bobart 'To the Vice-Chancellor & Delegates & Curators of the Universitie, declaring the declining state of the Physic Garden'. 'It is but a melancholly consideration', he says, 'to look back and think (and indeed as great a wonder) that this should be the only Publick Garden of Europe that hitherto maintain'd itself': and he goes on to ask for a grant in aid.

Dr. William Sherard (the founder of the Sherardian Professorship) wrote about him to Dr. Richardson (*Richardson Correspondence*, p. 9), under date June 6, 1691, as follows:

I'me glad to hear what you write concerning M^r Bobart. I know that he is tired of Oxford and would gladly remove: he has been making an interest for Watts his place [Superintendent and Demonstrator of the garden at Chelsea] at the expiration of his lease (which will be next year), but I believe Sam: Doody is secure of it.

Bobart's position at Oxford is enigmatical. He is commonly spoken of as Morison's successor: but this seems to be only partially true, for there is no definite evidence that Bobart was ever appointed Professor. On the title-page of his *Pars Tertia* he describes himself merely as *Horti Praefectus*, whereas Morison described himself as *Professor Botanices* and *Horti Praefectus Primus*. The current (1900) *Oxford Historical Register* is emphatic on this point (p. 60)—'But that Professor, Dr. Morison, stands alone; no immediate successor was elected by Convocation': yet on the same page Bobart's name is included, rather inconsistently, in the list of Professors with the date 1684. There is an interesting foot-note by the editor (Dawson Turner) on p. 34 of the *Richardson Correspondence* (1835) which shows this statement in the *Register* to be of some antiquity: he writes—

'According to the Oxford Calendar there seems to have been a chasm of near 40 years between Morison's death and the appointment of Dr. Edwin Sandys in 1720.' There is, however, evidence that Bobart was often described by his contemporaries as 'Professor'. For instance, a poem entitled *Vertumnus*, by Dr. Abel Evans, of St. John's College, was thus inscribed in 1713: 'An Epistle to Mr. Jacob Bobart, Botany Professor to the University of Oxford and Keeper of the Physick Garden, by the Author of the Apparition': other instances will be given in quotations relating to the end of his life. Nevertheless, the balance of probability is against his claim to the title. It is certain that he was never a member of the University, a fact which is in itself decisive. The probable explanation of the position is that, on Morison's death, Bobart was promoted from *Hortulanus* to succeed Morison as *Horti Praefectus*, but not as *Botanices Professor*.

As Bobart published nothing after the *Pars Tertia* of the *Historia*, the occupations of the last twenty years of his life can only be vaguely gathered from references to him by various writers and from the letters and MSS. that he left behind him. An account of these documents is given on page lxxv. His last years seem to have been passed uneventfully in the cultivation of the Physic Garden, for his letters and papers refer almost exclusively to the interchange of plants and seeds.

Gradually the infirmities of old age so grew upon him that he had difficulty in discharging his official duties. On Oct. 7, 1718, Drs. W. and J. Sherard, writing to Dr. Richardson (*Correspondence*, p. 137), say of him:

Left Mr Bobart in a low state of health, and fear he will not get over the winter; and his wife is much weaker than him, and may probably go off first.

The prediction concerning Bobart's wife was speedily fulfilled. In Hearne's *Remarks and Collections* (Oxf. Hist. Soc.), vol. vi, p. 242, is the following entry:

(1718) Oct. 21. This day died old M^{rs} Bobart, wife of M^r Jacob Bobart, Keeper of the Physick Garden, Oxon.

Though Bobart himself survived the winter of 1718, he was soon compelled to resign his office, as recorded by Hearne (*Collections*, vol. vii, p. 29):

(1719) July 17 (Fri.). On Wednesday last the V. Chancellor [D^r Rob. Shippen, Principal of Brasenose College] made D^r Sands of Wadham

College, an honest Gent., Botanick Professor & Keeper of ye Physick Garden, in room of M^r Jacob Bobart, who is incapable by reason of his Age and Infirmities, of doing the Duty now, & hath therefore quitted the place.

Dr. W. Sherard comments upon the proceeding as follows in a letter to Dr. Richardson (*Correspondence*, p. 11), dated July 8, 1719:

I am surpris'd the Vice-Chancellor has oblig'd M^r Bobart to resign his place, and has chosen D^r Sandys of Wadham Botanic Professor: they ought to have let him spend the short remainder of his time in the Garden.

As a matter of fact, Bobart was permitted to spend in the Garden the few months that interven'd between his resignation and his death: this is clear from the following entry in Hearne's *Collections* (vol. vii, p. 85):

(1719) Dec. 29 (Tu.). This Morning, at 8 Clock, S^t Peter's in the East Bell rung for M^r Jacob Bobart, lately Keeper of the Physick Garden and Botannick Professor at Oxford, who died sometime last Night in the House at the Physick Garden, being of a great Age.

He was buried at the church of St. Peter's-in-the-East, on Thursday, Dec. 31. A memorial tablet to him was erected in the north aisle of the church, bearing the following inscription:

H. S. E.

JACOBUS BOBART

Horti Medici Oxon. Praefectus

Patris Facultatuum Officii et

Eruditionis in re Botanica Haeres

Easdem cum Morisono curas divisit et laudes.

Ex hoc loco ipse Plantarum Dominus

Revirescere sperat

Et quam ab herbis habere non potuit

A Jesu Christo rogat immortalitatem.

Obiit die Dec. 28^o

Anno { Salutis 1719
Aetatis 79

Juxta jacet ANNA Uxor clarissima

Quae per 45 annorum spatium floruit

Conjugalis amoris exemplar.

Obiit die Oct. 21

Anno { Salutis 1718
Aetatis 71

The tablet has now disappeared, but it was seen, and the inscription copied, by Mr. H. T. Bobart, a descendant, about fifty years ago.

In the Library at the Botanic Garden there is a will of Bobart's, signed, and dated 1701: also the draft of a second will, dated 1715. His actual will is in the Archives of the Chancellor's court; it is dated April 29, 5 Geo. I, 1719, and was proved before the Vice-Chancellor, Dr. Robert Shippen, on Jan. 2, 1719/20. It contains the following bequest:

Item I give to the Chancellor Masters & Scholars of the University of Oxon all my seeds books & dried plants with the Catalogue of the same & other my books & furniture of my study to be kept together in hopes of my Successors improvement of the same for the better service of the University As also the stock of Plants Potts & other instruments in the Garden all which have been by me procured with considerable trouble and charge.

The catalogue of Bobart's library is in the Archives of the University, and there are two copies of it in the Library at the Botanic Garden. It consisted, apparently, of 218 vols., together with thirty-eight folio vols. of *Hortus Siccus*, as well as eight other vols. of dried plants, *volumina minus accurate digesta*.

That the library was considered important at the time, appears from a letter (Sloane MSS., 4040, f. 325) dated 14 March, 1706-7, addressed by Dr. Charlett, Master of University College, to Sir Hans Sloane, thanking him for his

noble benefaction to our three public libraris Bodleian, Ashmolean and Bobartian, if it be lawfull to give that title to his collection, which by will he hath bequeathed to the garden, with an estate of 50£ per annum for a Salary to a Botanic Professor, at the same time we build him a very pleasant house to inhabit in.

The collection of dried plants is thus alluded to in the poem *Vertumnus* (1713), which has been already mentioned (p. liv):

Their Barks, or Roots, their Flowers, or Leaves,
Thy Hortus Siccus still receives:
In Tomes twice Ten, that Work immense!
By Thee compiled at vast Expence;
With utmost Diligence amass'd,
And shall as many Ages last.

It is distinguishable into two parts: (1) The Morisonian Herbarium; (2) Bobart's private collection, the *Hortus Siccus* proper. The former



JACOB BOBART
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THE YOUNGER BOBART

is described in a special section on a subsequent page: the latter may now be briefly described.

Bobart's *Hortus Siccus* consists of about 2,000 specimens, collected entirely by himself, mainly of plants cultivated in the Garden. Some of them, however, were almost certainly collected in the neighbourhood of Oxford: such are, *Ranunculus circinatus*, *R. fluitans*, *Potamogeton Friesii*, *Veronica scutellata*, *V. Anagallis*, *V. Beccabunga*, *Oenanthe fluviatilis* (the earliest specimen recorded), *Montia verna*, *Carex lepidocarpa*, *C. fulva*, *Juncus articulatus*, *J. conglomeratus*, *J. effusus*, *J. bulbosus*, *Sagina nodosa*, *Juncoides multiflorum*; and possibly also *Geranium pusillum*, *Spergula sativa*, *Veronica arvensis*, *Bromus commutatus*, *Polygala vulgaris*, and others.

The scientific value of the collection is much diminished by the absence of any information as to the history or locality of the specimens: all that is given is the Latin names and synonyms and the English names. Nor is there any definite information as to the date of the collection: though in one of Bobart's MSS. there is a note—*ut 24 die Novembris 1666 me 2052 plantas collectas & exsiccatas habuisse numeravi*. On the other hand the fact that names are sometimes given which appeared in Morison's *Pars secunda* of the *Historia*, indicates that these plants or their labels must have been inserted subsequently to 1680.

The indexes suggest that the sheets were at one time bound up in twelve volumes of Herbs, and two volumes of *Frutices*: but the volumes were cut up years ago. They are now deposited in sixteen cases, and are arranged in accordance with the *Sciagraphia*.

In the Library at the Botanic Garden there is an oil-painting bearing Bobart's name, which is here reproduced. It is the only known portrait of him, if indeed it be a portrait of him, for its authentication is merely a comparatively modern label. It certainly does not bear out the minute, and far from flattering, word-picture of him drawn in von Uffenbach's *Merkwürdige Reisen* (p. 163) already mentioned (p. xv). After commenting upon the forbidding appearance that Bobart and his wife presented on the occasion of his visit in 1710, von Uffenbach goes on to describe him as having

an unusually pointed and very long nose, small eyes deeply set in his head, a wry mouth with scarcely any upper lip, a large and deep scar on one cheek, and his whole face and hands as black and coarse as those of the meanest gardener or labourer. His clothes, especially his hat, were very bad. Such was the appearance of the Professor, whom one might well have taken for the gardener since, as a matter of fact, he does nothing

but continually work in the garden, and, botanically speaking, is a better gardener than herborist. Nevertheless the industry of the man in the Garden and in the publication of the work of his predecessor Morison (who far excelled him in science) is praiseworthy.

Apart from the *Pars Tertia* of the *Historia*, Bobart published very little. A paper in the Philosophical Transactions of the Royal Society (vol. xiv, no. 165, Nov. 20, 1684, p. 766), with the following title, has been attributed to him: *A discourse concerning the effects of the great Frost, on Trees and other Plants Anno 1683, drawn from the answers to some Queries sent into divers Countries by Dr Rob. Plot S.R.S. and from several Observations made at Oxford, by the skilful Botanist Mr Jacob Bobart.* It is not clear, however, to what extent the paper is the work of Bobart. The chief fact recorded is the extraordinary splitting of trees of all kinds—

some being so rent that a man may see through them, and many times the Cracks came with so great noise that as it is related from Needwood Forrest, the Keepers there thought that the Deer were shot by the people of the country.

The explanation given is, in the first place, this :

A great part of the cause is supposed to be imperfection in such a Tree, and that generally from the too large sap-vessels and unnatural cavities therein ; . . . Many more examples might be easily produced to induce us to the thoughts that the sap is not right and genuine in such ill-disposed Trees, and that Ice might upon due examination be found in any such hursten bodies, as we are informed hath been found and observed by some . . . and if Ice, then pressure, and if pressure, then breaking and explosion.

Unlike Morison, Bobart was on excellent terms with Ray, to whose *Synopsis Methodica Stirpium Britannicarum* (1690) he contributed a list of British plants, and from whom he received assistance in the preparation of the *Pars Tertia* of the *Historia*. The list, together with other lists of plants contributed by Sherard, Plukenet, Doody, and Hans Sloane, forms the *Appendix* to the *Synopsis*: it is entitled—*Plantae rariores a D. Jacobo Boberto, Horti Oxoniensis Praefecto, in Anglia observatae; quarum Catalogum ad nos transmisit.* Though it consists of only thirty-three names, it includes no less than four that were new to the British Flora, which are given on a subsequent page.

This list was not the whole of Bobart's contribution to Ray's *Synopsis*. In the preface, where all those who had helped him are enumerated, Ray says :

D. Jacobus Bobertus, Horti Medici Oxoniensis Praefectus, qui species circiter quadraginta a se observatas, praeter comprehensas in Catalogo nostro Plantarum Angliae, communicavit. Eas, quod serius transmissae essent, in Appendice una exhibuimus.

The only other published work which can be attributed to Bobart is the small *Historiae Naturalis Sciagraphia*, which is reprinted in the present volume (see p. xlv), anonymously published in 1720 after Bobart's death. Though it consists of only twelve pages, it is a document of considerable importance in that it gives the only complete statement of Morison's system of classification, with some modifications introduced by Bobart under the influence of Ray's *Methodus*. As far as herbaceous plants are concerned, the *Sciagraphia* is merely a reprint of the *Botanologiae Summarium* prefixed by Bobart to the *Pars Tertia* of the *Historia*: its special value is that it includes the classification of trees and shrubs in accordance with which the unpublished *Pars Prima* of the *Historia* should have been written.

It is not necessary to give here more than a brief account of Bobart's chief work, the *Pars Tertia* of the *Plantarum Historia Universalis Oxoniensis*, as it has been already mentioned (p. xxx), and is described on subsequent pages. It is devoted to a description of the ten sections of herbs (*Sectiones VI-XV*) which Morison had left unfinished.

The work opens with the *Vita Roberti Morisoni M.D.*, to which frequent allusion has been made (see p. xxv), and which is mainly a defence of Morison against his critics: as already mentioned, it was the work of Dr. Archibald Pitcairne. This is succeeded by a *Praefatio ad Lectorem candidum*, which is not, however, to be found in all copies of the book: Hearne makes the following reference to it (*Remarks and Collections*, ed. Doble, vol. ii, p. 200):

May 17, 1709. It must be noted that after M^r Jacob Bobart had finish'd his Volume of the History of Plants, he writ a Preface to it, which he shew'd the Delegates of the Press; but they not approving of it, because of the Barbarity of the Latin, advis'd him to get somebody to mend it, & some of them pitch'd upon M^r (now D^r) Hudson; accordingly the Preface was put into M^r Hudson's hands, & he drew it up in proper Latin, & return'd it. 'Twas compos'd as M^r Hudson worded it, & a very few Copies printed off, particularly there is one of them before M^r Dyer's Copy of ye Book at Oriel College; but Bobart, for reasons best known to himself, had a quite different one printed, drawn up partly by himself & partly by others, wh^{ch} is prefix'd to all ye Copies except those very few before mentioned.

Bobart's preface begins with a sketch of the history of Botany, from Tyrtamus Leucipiensis, commonly known as Theophrastus Eresius (circ. 322 B. C.), to Morison, in which all the writers of note are enumerated, the object being to show that up to the time of Morison there was no rational classification of plants. Bobart goes on to tell that Morison's unfinished work had been handed over to him for completion, adding the definite statement that there was no prospect of the publication of the part relating to trees and shrubs. He then expresses his thanks to all who had helped him in performing his task; the names mentioned include those of all the celebrated botanists of the time, such as Plukenet, Ray, Hans Sloane, Tancred Robinson, Richardson, Lhwyd, Doody, Petiver, Newton, Du Bois, Dale, and W. Sherard; and, among foreigners, Hermann of Leyden and his successor Hotton, Tournefort of Paris, Rivinus of Leipzig, Magnol of Montpellier, Boccone of Palermo, Breyne of Dantzig, Commelin of Amsterdam, and van Rheede and Seyn the editors of the great *Hortus Malabaricus*. All the plants collected or described by these botanists are, he says, reviewed in his book: this could, however, be done only in part, on account of imperfect descriptions, for the Mexican plants described by Hernandez, and for the Brazilian plants described by Marcgraf, Bontius (Bondt), and Piso.

The work itself opens with a *Botanologiae Summarium*, a tabular statement of Morison's method, in which, however, the trees and shrubs are dismissed with the remark: *De quibus agendum esset primo Volumine, non edendo*. It is valuable as giving, for the first time, a complete account of the Morisonian classification of herbaceous plants, containing the characters of the fifteen sections and their subdivisions.

It is stated in the *Vita* that Morison left behind him the completed MS. of four of his *Sectiones* (probably VI-IX), as well as some work on all of the remaining six, together with fifty engraved plates and the same number of plates drawn but not yet engraved. But even with this amount of material to begin upon, the task that Bobart undertook was a heavy one, for he had to incorporate the very numerous species that had been described in the ten years or so that had elapsed since Morison's death. The result of his labours was a folio volume of 657 pages, with a copious index, illustrated by 166 plates representing something like 2,000 species. The figures, which are particularly good, were for the most part engraved by F. H. van Hove, the rest by J. Savage and by Burghers. The cost of the work was mainly borne by the University: the Vice-Chancellor's accounts

of 1686-90, and again of 1696-7, contain frequent entries of sums paid to the engravers: sixty-eight of the plates were presented by persons interested in the work and bear the names and arms of the donors, among whom were many Scottish noblemen, moved thereto, no doubt, by the fact that Morison was their compatriot, as well as several of his personal friends such as Robert Gray and Archibald Pitcairne. Pulteney (*Progress of Botany*, i, p. 310, 1790) says, concerning them:

The new figures occur principally in the latter part of this work, and are therefore to be attributed to the care of Bobart. The six tables of Mosses, Fuci, Corallines, and Corals, at the end, are, except the few wooden cuts of Gerard, the first of the kind graved in England, and have great merit as the productions of that time.

These six plates are the work of Burghers. All the copper plates (291) of the *Historia* are preserved in the Radcliffe Library.

As a writer, Bobart laboured under the disadvantage of not having had an academic education: literary help was, however, readily given to him by members of the University. Hearne (*Collections*, vol. i, p. 66) has, for instance, the following entry:

[1705] Nov. 6 (Tu.). M^r Bobart, the Botanist, was greatly assisted in the II^d vol. of ye Oxford History of Plants by M^r Dale of Queen's College who revis'd the whole & put it into proper Latin for him.

and Wood (*Athenae, Fasti*, vol. ii, p. 852, 1692) states that

there is now in the press at Oxford a Vol. in fol. in continuance or pursuit of the said last Vol. of D^r Morison, written by Jacob Bobart Keeper of the Phys. Garden in Oxon, with Annotations thereunto of the Eastern names by D^r Thos. Hyde, chief Keeper of the Bodleian Library.

His labours upon the *Historia* cannot be said to have been appreciated as they deserved. Both Linnaeus (*Bibl. Bot.*, p. 32, 1747) and Haller (*Bibl. Bot.*, vol. i, p. 544, 1771), in their accounts of the work, barely mention that Bobart had a share in the preparation of the *Pars Tertia*. Pulteney (*Progress of Botany*, vol. i, p. 312, 1790) found nothing better to say of it than that

the latter part of it proves, too evidently, that it did not receive the finishing hand of the original author; since it appears in a very abridged form, compared with what Morison himself had done.

This criticism is not convincing, though it is hard to meet. It may, however, be pointed out that though Bobart's account of ten *Sectiones*

of herbaceous plants occupies 657 pages, whereas Morison required 617 pages to deal with only five *Sectiones*, a considerable portion of Morison's space is devoted to paragraphs on *Locus* and *Tempus*, and on the *Hallucinationes Caspari Bauhini aliorumque Authorum*, whilst the whole of Bobart's is devoted to the description of the plants: moreover, the bulk of Bobart's volume is printed in smaller type than that used in Morison's.

However, Bobart's published work, of which an account has now been given, suffices to establish his reputation as a highly skilled botanist possessing a wide knowledge of plants; and this is borne out by the MSS. of his which are in the Botanical Library. Though they do not include any important work, they show how carefully he studied the plants cultivated in the Botanic Garden, as well as those growing wild in the Oxford district. The chief of them are the following:

1. a 12^{mo} volume, bound in calf, containing about 100 pages, giving a list of garden plants arranged according to the time of their flowering, month by month: the number of plants mentioned is about 1900. It bears no date, but at the end there is the following note—*Ut 24^o die Novembris 1666 me 2052 plantas collectas et exsiccatas habuisse numeravi*—which may refer to the *Hortus Siccus* (see p. lvii):

2. *Catalogus Plantarum in Horto et circa Oxoniam crescentium*; a 12^{mo} volume, bound in vellum, of about 400 pages, containing an alphabetical list of about 2,000 plants. It is not dated, but there is a note dated 1666 on the fly-leaf:

3. a MS. of about 400 pages, now bound into a thick 4^{to} volume, containing (a) a tabular classification of the genera of trees, shrubs, and under-shrubs, which is identical with that printed in the *Sciagraphia*: (b) pp. 1–83, an enumeration of the species of trees, shrubs, and under-shrubs: (c) pp. 85–406, an enumeration of the species of herbs, in the Morisonian *Sectiones*, with the omission of *Sectio XII (Multisiliquae Polyspermae & Multicapsulares)*, *Sectio XIV (Capillares Epiphyllaspermae)*, and *Sectio XV (Heteroclitae seu Anomalae)*. It is difficult to guess what the significance of this MS. may be, especially since the species of herbs enumerated in it are not altogether the same as those in the two published volumes of the *Historia*. It may possibly consist of Bobart's material for a third volume of the *Historia*, which should make good the deficiencies in its two predecessors by giving the lacking account of trees and shrubs with a revision of the herbaceous plants. This is,

however, pure conjecture, as the MS. bears no date nor any indication of its purpose. The account of the trees and shrubs is given at the end of the present volume.

There can be no question concerning Bobart's merits as a field-botanist. According to Mr. Druce's Floras of Oxfordshire and of Berkshire, Bobart added at least ten species to the British Flora, all from these districts, and in addition, nearly forty species to these local floras. They are the following.

Additions to the British Flora :

- (a) given in Ray's *Synopsis*, 1690 : *Thlaspi perfoliatum* L., *Leontodon nudicaulis* Banks (L. *hirtua* L.), *Agropyron caninum* Beauv., *Bromus erectus* Huds.
- (b) in Ray's *Synopsis*, ed. 2, 1696 : *Rubus corylifolius* Sm. var. *leucocarpus*, *Brachypodium pinnatum* Beauv.
- (c) in *Historia* iii, 1699: *Tordylium maximum* L., *Oenanthe fluviatilis* Coleman, *Myriophyllum alterniflorum* DC., *Carex vesicaria* L.

Additions of the flora of either Oxon. or Berks., or of both :

- (a) in Ray's *Synopsis*, 1690 : *Herminium Monorchis* Br., *Phragmites vulgaris* Druce, *Elymus europaeus* L., *Bromus ramosus* Huds.
- (b) in Ray's *Synopsis*, ed. 2, 1696 : *Tilia platyphyllos* Scop., *Pyrola minor* L., *Polygonum lapathifolium* L., *Scrophularia nodosa* L. var. *Bobartii* Pryor, *Vicia angustifolia* L. var. *Bobartii* (Forster).
- (c) in Ray's *Synopsis*, ed. 3, 1724 : *Quercus sessilis* Ehrh.
- (d) in the *Historia*, part 2, 1680 (all from Oxon.): *Sisymbrium Thaliana* (Gay), *Viola hirta* L. and *Viola palustris* L. : though the two latter species had been published by Plot (*Nat. Hist. Oxon.*) in 1677, Morison remarks—*utraque haec species detecta fuit a Jacobo Bobart decennio abhinc* ; *Lychnis dioica* L., *Geranium columbinum* L., *Geranium lucidum* L., *Ononis repens* L., *Samolus Valerandi* L.
- (e) in the *Historia*, part 3, 1699 (from Oxon. and Berks.): *Heracleum Sphondylium* L. var. *angustifolium* Huds., *Galium tricornes* Stokes, *Senecio integrifolia* Clairv. (*S. campestris* DC.), *Antennaria dioica* Gaertn., *Nymphoides peltatum* R. & B., *Stachys arvensis* L., *Ophrys muscifera* Huds., *Ruscus aculeatus* L., *Carex inflata* Huds. (*C. rostrata* Stokes), *Carex Pseudo-cyperus* L., *Carex Goodenowii* Gay, *Carex distans* L., *Deschampsia flexuosa* Trin., *Dryopteris aristata* Druce (*Lastrea dilatata* Presl) : the following from Berks. only : *Drosera longifolia* L. (or *D. anglica* Huds.), *Gentiana Pneumonanthe* L., *Acorus Calamus* L., *Cephalanthera Damasonium* Druce.

In the British Museum (*Nat. Hist.*) there is a collection of British plants, chiefly from Oxon., made by Plot and named by Bobart who

has marked with a cross those which Plot had mentioned as new in his *Nat. Hist. Oxf.*: these include *Ulmus folio angusto glabro* (= *U. Plotii* Druce), *Oenanthe fluviatilis*, and *Potentilla procumbens*.

Another aspect of Bobart's capacity as an observer is shown in the following interesting passage taken from Blair's *Essay upon the Generation of Plants* (*Botanick Essays*, 1720, p. 243).

M^r Jacob Bobart, Overseer of the Physick Garden at Oxford, about thirty eight Years ago, which was before the Doctrine of the different Sexes of Plants was well understood, Herborizing in the Country, observ'd a Plant of the *Lychnis Sylvestris simplex* [*Lychnis alba* Mill.], whose Flowers, though they had *Stamina*, yet there was no *Apices* [anthers]; and finding this not in one, but in all the Flowers upon the same Plant, this made him imagine it might be a new Species, and therefore he mark'd the Plant, and took care to have it preserv'd till the Seeds were ripe; and he at length procur'd them full hard and firm, and to outward Appearance *Remplis des germe* (as M^r Geoffroy has it). He fail'd not to sow them in his Garden next Season in a proper Place, but there was never a Plant wick sprung up. I had this Account from the Celebrated D^r Sherard, at whose desire I have inserted it, and both of them being Persons of such Esteem, and so good Credit, I may venture to say it sets the Opinion of the different Sexes of Plants upon another Footing than it is receiv'd by most of our modern Authors; for this imports that it is not the Nourishment of the gross Substance of the Seed it self, which is hereby mesnt, nor the Increase of the Seed-Vessel, which is hereby design'd. . . . Its just the same with the Seed of a Plant, it may be augmented, and encrease its *Moles*, it may become firm, hard and solid, and have all the Tokens of a perfect Ripeness; the Seed-vessels may be enlarg'd, and the Pulp or *Parenchyma* of the Fruit be augmented; and yet the Particles of the Seed may remain crude, undigested, and incapable to be explicated and dilsted, or set in a suitable Motion, whereby to protrude the *Fibrillae* of the Root at the one end, and *Folia Seminalia* at the other, unless it has previously receiv'd some extraneous Matter, or some active Particles from the Male Parts of the Flower, or from the Male Flower it self.

It is true that Plot had already published some observations on the flower of *Lychnis* in his *Natural History of Oxfordshire* (1677, p. 150), but he does not appear to have grasped the significance of the facts so clearly as did Bobart. Moreover, there is no evidence to prove that Bobart's observations were not altogether original.

No more just estimate of Bobart's worth can be framed than that given by Ray in the preface to the second edition (1696) of his *Synopsis*: *D. Jacobus Bobart, Horti Medici Oxoniensis praefectus, celebris imprimis Botanicus, nec tamen minoris meriti quàm famae.*

He is commemorated botanically by the genus *Bobartia* (Iridaceae), founded in his honour by Linnaeus (1747), and by the two varieties, *Scrophularia nodosa* L. var. *Bobartii* Pryor and *Vicia angustifolia* L. var. *Bobartii* (Forster), that he discovered in Oxon. and Berks.

Bobart's extant letters are fairly numerous. Most of them are among the Sloane MSS. in the British Museum: the collection includes fifteen letters to Sir Hans Sloane (vols. 4036-37-38-40-41-43-44) written 1685-1716: nineteen letters to Petiver (vols. 3321-22, 4064) written 1700-16: a letter to W. Charlton (vol. 3962) dated 1690: a letter to the Duchess of Beaufort (vol. 3343) dated 1694, and one to her gardener, J. Adams, dated 1696. Next in importance is the series of seven letters in the possession of the Royal Society, addressed by Bobart to William Sherard in the years 1703-12, the earlier part of the time during which the latter was British Consul at Smyrna. Two letters to Dr. Richardson of Bierley are known: one, dated 1704, is published in the *Richardson Correspondence*; the other, dated 1703, is in the possession of the present representatives of the Bobart family. Finally, in the Botanical Department of the British Museum (Natural History) there is a letter to Buddle (see *Journ. Bot.* xii. 1874) relating to Mosses, dated 1707. The letters are not of sufficient scientific or historical interest to merit reproduction: the most interesting is an undated letter to Petiver (Sloane MSS. vol. 3321, fol. 149) which contains some criticisms upon Scheuchzer's *Agrostographia* published in 1708.

There are, further, a number of MS. lists of seeds and plants, mostly sent or received by Bobart, several of which are not in his handwriting. In the Library at the Botanic Garden are two lists of plants at Badminton, with which garden Bobart seems to have had a good deal to do: viz. *A Catalogue of some Plants and Flowers growing in the Duke of Beaufort's Garden at Badminton, Sept. 30, 1699*; and *Plantae observatae Horto Badmintoniensi, Anno 1700*. Most of the lists, which are short, are among the Sloane MSS. in the British Museum (vols. 3321, 3343, 4036, 4037). Some of them refer to seeds received from Sloane: others to plants and seeds sent to Badminton; and there is one, not in Bobart's hand, of 'Seeds saved by Mr. Bobart in the Phisick Garden at Oxford', but as it consists of only twenty-nine entries, it cannot be regarded as an official seed-list of the Garden.

THE MORISONIAN HERBARIUM.

This collection bears Morison's name, not because he actually formed it, but because the primary object of it was to illustrate his great work the *Historia Universalis*. As a matter of fact it was organized by the younger Bobart; for all the names on the sheets are in his handwriting. Moreover, of the relatively few sheets that bear a date, not one is dated before 1680, the year in which Morison's *Pars Secunda* was published. It might be consequently inferred that none of the specimens illustrating that volume can be regarded as 'type-specimens': but there can be no doubt that Bobart was quite familiar with Morison's species, sufficiently so to render the specimens authoritative for reference.

The Herbarium consists of about 5,000 specimens of Herbs (including Cryptogams), and about 1,500 specimens of Trees and Shrubs. They are mounted on sheets (size $9\frac{1}{4}'' \times 14\frac{1}{2}''$) of hand-made paper, with a marginal strip of coloured wall-paper. Many of the sheets bear notes by Dillenius and the younger Sibthorp, who in their day were Sherardian Professors. It includes not only most of the plants mentioned in the *Historia*, but a considerable number of others added from time to time during the period that it served as the general herbarium of the botanical department; until, probably, the acquisition of the Sherardian Herbarium.

The specimens came from all parts of the world, and from many contributors. In addition to the botanists whose help is acknowledged in the preface to the *Pars Tertia* (see p. lx) the following also contributed specimens: John Aubrey, of Wilts. (see Wood's *Fasti*), and Alexander Balaam, from North Africa: the Rev. John Banister, an Oxford man who was a missionary in Virginia, who supplied the *Catalogus Plantarum in Virginia observatarum* to Ray's *Historia*, t. ii, and whose MS. *List of West Indian Plants* is in the library here, from the southern States of North America: the Rev. Dr. Huntington, from Aleppo: Alexander Brown, a surgeon to the East India Company, from St. Helena and the Cape of Good Hope: Edward Bulkley, a surgeon at Madras, from India: the Rev. Adam Buddle, Vicar of Great Fambridge, Essex, who was an eminent Bryologist: Mark Catesby, the author of *The Natural History of Carolina, Florida, and the Bahama Islands* (1731-48), from North America: Rev. Lewis Stevens, Vicar of Menheniot, Cornwall, Algae: James Sutherland, the first Keeper of the Botanic Garden, Edinburgh: the Rev. Sir George Wheler, Vicar of Basingstoke, author of *A*

Journey into Greece, 1682: Mr. Willis, from Virginia: William Vernon, Fellow of Peterhouse, Cambridge, from Maryland. Some were also obtained from the Physic Garden itself, and from other gardens, such as those of Chelsea, Hampton Court, the Bishop of London (Henry Compton) at Fulham, Edward Morgan at Westminster, Badminton, Padua, Paris, and Edinburgh.

The method adopted in preparing the present account of the Herbarium is as follows. First, as regards herbaceous plants: all those names in the *Pars Secunda* and the *Pars Tertia* of the *Historia* which (a) are represented by specimens in the herbarium, or (b) are cited in such standard botanical works as the *Hortus Cliffortianus* and the *Species Plantarum* (eds. 1 and 2) of Linnaeus, the *Hortus Kewensis* of Aiton, and the *Systema* and *Prodromus* of De Candolle, are reprinted, those unrepresented or uncited being omitted. Many of the MS. entries made by Bobart in his interleaved copy of the *Historia* have been dealt with in the same way. Further, it has been possible to determine a certain proportion of the rather numerous specimens which are not mentioned in the *Historia* either in print or in MS. There still remains a considerable number of unnamed, and to a large extent indeterminable, specimens.

It should be explained that italics are used exclusively for MS. notes written on the herbarium-sheets. The modern names adopted are printed in heavy type: they agree, for the most part, with those of the *Index Kewensis*, and where they differ the latter are usually given as well. It has been found occasionally that the name given by Linnaeus was incorrect. This is not to be wondered at, since he had no opportunity of examining the specimens, and could only base his identifications upon the descriptions and figures: it speaks well for his acumen that such mistakes are relatively few. It is, no doubt, on this account that he did not cite so many of the species: he preferred to omit rather than to err.

Inasmuch as the Shrubs and Trees of the herbarium were not described in the *Historia*, it has been thought desirable to print Bobart's MS. catalogue of these, mentioned on p. lxii, and to arrange the specimens in accordance with it. As with the Herbs so here, the attempt has been made to collect the Linnean and other authoritative synonyms of the specimens, as well as to determine them: but it has not been so successful, because the work is unpublished, and the specimens are much less complete than those of the Herbs.

The identification of the specimens of the herbarium has been

a long and laborious task, which has, however, been greatly lightened by the ready co-operation of many botanical colleagues to whom the most hearty thanks are due. These include Sir David Prain, F.R.S., Director of the Royal Botanic Gardens, Kew, who placed the resources of the Herbarium and the valuable services of the staff, including Dr. Stapf, F.R.S., Messrs. N. E. Brown, J. Hutchinson, and W. B. Turrill, at the disposal of the authors: Dr. Bucknall and Mr. J. Walter White, F.L.S., of Bristol, who have kindly checked and named many specimens: Mr. J. Gilbert Baker, F.R.S., who identified most of the Ferns and Fern-allies: Mr. H. N. Dixon, F.L.S., who examined the Mosses: Mr. W. H. Pearson, F.L.S., the Hepatics: Mr. E. M. Holmes, F.L.S., the Algae: Messrs. Henry and James Groves, the Characeae: Professor Darbishire, of the University of Bristol, the Lichens. Other helpers have been: the late Monsieur F. Crépin, of Brussels, an acknowledged authority on the genus *Rosa*, who determined the specimens of Roses; the late Sir Michael Foster, K.C.B., F.R.S., who looked through the Irises; Messrs. E. G. Baker, F.L.S., of the British Museum (Natural History); A. Bennett, A.L.S.; W. Fawcett, F.L.S.; the late A. Fryer, A.L.S.; F. J. Hanbury, F.L.S.; Professor Percival, F.L.S., of University College, Reading; C. E. Salmon, F.L.S.; and J. S. Gamble, F.R.S., whose assistance with the specimens of Shrubs and Trees has been invaluable. Mr. H. Baker, Assistant in the University Herbarium, has contributed much useful work in the search for synonyms and the checking of specimens and entries, and especially in preparing the Index. Finally, the authors are indebted to Mr. Reginald Lane Poole, Keeper of the Archives, and to Mr. Falconer Madan, Bodley's Librarian, for help and advice of various kinds, and to the latter especially for access to his collection of *Bobartiana*.

PLANTARUM
HISTORIAE UNIVERSALIS OXONIENSIS

PARS SECUNDA,

DE HERBIS.

SECTIO I. DE BACCIFERIS & SCANDENTIBUS.

Caput I. **Bacciferae Scandentes & non Scandentes.**

- P. 3, 1. *Asparagus foliis acutis*, C. B. P.: *from Cales* (Cadiz). Cited Hort. Cliffort. 121. *Asparagus acutifolius* L.
2. *A. aculeatus alter* . . . C. B. P. Cited Hort. Cliff. 122. *A. aphyllus* L.
3. *A. aculeatus spinis horridus*, C. B. P. *A. albus* L.
4. *A. domesticus*, Eyst. Hort. *A. officinalis* L.
One specimen labelled *A. marinus* J. B. may be a cultivated plant of the var. *maritimus* L.: a second, labelled *A. sativus* C. B. P. 489, *A. hortensis* J. B. 3, 725, is var. *altissis* L.
- 4, 5. *Bryonia aspera* . . . nobis. Cited Hort. Cliff. *B. alba* L. = *Bryonia dioica* Jacq.
- 5, 6. *B. nigra*, Ger. Cited Hort. Cliff. 458. *Tamus communis* L.
7. *Planta recentiorum*, *Alsines majoris facie*, *baccis Solani*, C. B. P. Cited Hort. Cliff. 170. *Cucubalus baccifer* L.
- 6, 8. *Clematis pentaphylla*, *flore roseo*, *clavato*, nobis. Not cited by Linnaeus. *Passiflora caerulea* L.
9. *C. trifolia* . . . *flore viridi*, nobis. No specimen. Cited Sp. Pl. 959 for *P. incarnata* L.
- 7, 2. *C. passionalis triphyllus*, *flore roseo*, Monting. One specimen is marked *Mr. Darby, Hoxton*. Cited Sp. Pl. 959. *P. incarnata* L.
3. *C. . . .*, *flore luteo*, nobis. Cited Sp. Pl. 958. *P. lutea* L.
4. *C. Marucua pyriformis minor*, nobis. No specimen. Cited in Sp. Pl. 955 for *P. pallida* L. = *P. suberosa* L. (I. K.).
- 8, 7. *Christophoriana Americana racemosa* . . . nobis. No specimen. Cited Sp. Pl. 504 for *Actaea spicata* L. var. *alba* L. = *A. alba* Miller.

8. *C. vulgaris* nostras racemosa & ramosa, nobis. **A. spicata** L.
 9, 9. *C. Canadensis*, racemosa & ramosa, nobis. Cited in Sp. Pl. 274 for *Aralia racemosa* L.: but the Herbarium specimen is **A. nudicaulis** L.

Caput II. **Scandentes Campanulatae Lactescentes**
 (Convolvulus seu Smilax laevis).

- P. 11, 1. *Convolvulus major*, rectus, Creticus, argenteus, nobis. Cited Sp. Pl. 157. **Convolvulus Cneorum** L.
 3. *C. maritimus* nostras, rotundifolius, nobis. *Calystegia Soldanella* Br. (I. K.) = **Volvulus Soldanella** Junger.
 4. *C. Indicus Orientalis* . . . Battatas. Cited Sp. Pl. 154. *C. Batatas* L. = **Ipomoea Batatas** Poir.
 12, 5. *C. Syriacus* & *Scammonia Syriaca*, nobis. Cited Sp. Pl. 153. **C. Scammonia** L.
 6. *C. vulgaris major albus* . . . nobis. *Calystegia sepium* Br. (I. K.), = **Volvulus sepium** Medic.
 13, 7. *C. purpureus*, folio subrotundo, C. B. P. *C. purpureus* L. = **Ipomoea purpurea** Roth.
 8. *C. caeruleus hederaceus* . . . Park. Parad. *C. hederaceus* L. = **I. hederacea** Jacq. *sens. ampl.*: the calyx is densely hirsute with rigid patent hairs. There is a flower of another species on the sheet.
 9. *C. vulgaris*, flore minore . . . nobis. **Convolvulus arvensis** L.
 10. *C. argenteus*, Altheae folio, C. B. P. **C. althaeoides** L.
 17, 2. *C. minor argenteus*, repens, Rupellensis . . . nobis. No specimen. Cited Sp. Pl. ed. ii. 224 (*fig. mala*) for **C. lineatus** L.
 3. *C. minimus spicaefolius*, Lob.: *cultivated in Hort. Ox.* Cited Sp. Pl. 158. **C. cantabrica** L.
 4. *C. peregrinus caeruleus*, folio oblongo, C. B. P. Cited Sp. Pl. 158 and Bot. Mag. t. 27. **C. tricolor** L.
 18, 5. *C. Aegyptiacus*, quinquefolius, J. B. Cited Bot. Mag. t. 699 for *C. cairicus* L. = **Ipomoea palmata** Forsk. = **I. cairica** Sweet.
 7. *C. pennatus exoticus*, Col. *Wooshy Melly* is given as the Indian name. **Ipomoea Quamoclit** L.
 8. *Nasturtium Indicum*, Dod. **Tropaeolum minus** L. and **T. majus** L.
 In the first edition of the Spec. Plant. the names of these two species are accidentally transposed, so that the description, &c., of *T. majus* is applied to *T. minus* and *vice versa*.
 19, 9. *Halicacabum peregrinum* & *Cor Indicum* J. B. *Maddy Cotan, Pisum cordatum*. From Fort St. George. MS. note by Bobart in the Historia: *sponte nascitur in Insula Barbadiense*. Cited Sp. Pl. 366. **Cardiospermum Halicacabum** L.

Caput III. **Scandentes Pomiferae** (Cucurbita sive Zuccha).

- P. 23, 1. *Cucurbita lagenaria*, flore albo, C. B. P. Cited Hort. Cliff. 451.
C. *Lagenaria* L. = **Lagenaria vulgaris** Seringe.
- 24, 3. *C. oblonga*, flore albo . . . C. B. P. Cited Sp. Pl. 1010.
C. *Lagenaria* L. = **L. vulgaris** Seringe.
- 27, 1. *Colocynthis major fructu rotundo* C. B. P. *Cucumis Colocynthis*
L. = **Citrullus Colocynthis** Schrader.
- 28, 2. *Auguria*, Matth. Cited Hort. Cliff. 452. *Cucurbita Citrullus*
L. = **Citrullus vulgaris** Schrader.
- 29, 4. *Melo vulgaris*, C. B. P. Cited Hort. Cliff. 451. *Cucumis*
Melo L.
- 31, 6. *Cucumis sativus vulgaris*, C. B. P. **C. sativus** L.
- 32, 8. *C. asininus*, Tab. No specimen. Cited Hort. Cliff. 454. *Momordica Elaterium* L. = **Eeballium Elaterium** A. Rich.
- 33, 9. *C. puniceus*, Cord. Hist. Cited Hort. Cliff. 450. *Momordica Balsamina* L. The specimen has the bract below the middle and may be **M. Charantia** L.

Caput IV. **Scandentes Pomiferae & Campanulatae.**

- P. 35, 1. *Cucumis Aegyptius reticulatus sive Luffa Arabum*, Vesling.
No specimen. Cited in Hort. Cliff. 451. *Momordica Luffa* L.
= **Luffa aegyptiaca** Mill.
- 37, 9. *Convolvulus perennis heteroclitus*, . . . nobis. Cited Hort.
Cliff. 458. **Humulus Lupulus** L. ♀ plant.
- 38, 10. *Lupulus silvestris*, &c. No specimen. The last figure on
tab. 7 represents the male plant of **Humulus Lupulus** L.

SECTIO II. DE LEGUMINIBUS.

Caput I. **Papilionaceae Siliquosae Bivalves Scandentes Capreolis.**

- P. 46, 1. *Pisum majus* flore albo, nobis: one sheet *fructu cinerei coloris*,
another *fructu candido*: forms of **Pisum sativum** L.
- 47, 4. *P. pulchrum*, folio anguloso, J. B. No specimen. Cited Sp.
Pl. 727 for **P. arvense** L.
5. *P. spontaneum perenne* . . . nobis. Cited in Sp. Pl. 727. *P.*
maritimum L. = **Lathyrus maritimus** Bigelow.
- 51, 1. *Lathyrus arvensis*, radice tuberosa, repente, nobis. Cited Hort.
Cliff. 367. **L. tuberosus** L.
2. *L. silvestris & dumetorum*, flore luteo, nobis. No specimen.
Cited Hort. Cliff. 367. **L. pratensis** L.
3. *L. latifolius*, C. B. P. No specimen. Cited Hort. Cliff. 367.
L. latifolius L.

5. *L. ἀμφίκαρπος* seu supra infraque terram siliquas gerens, nobis.

The figure (Tab. 23, fig. 1) is cited by Boissier in *Fl. orientalis* ii. 607 as representing his *L. blepharicarpus*, which is probably the Linnean *L. amphicarpus* for which DC. *Prod.* ii. 373 cites Morison's figure. There are three imperfect specimens on one sheet. One of these (with tendrils) may be this species.

- 52, 6. *L. sativus* minor semine anguloso, nobis. Cited Hort. Cliff. 367. *L. sativus* L.

A specimen labelled *L. sativus flore purpureo*, which has long peduncles and a two-winged fruit, is also probably *L. sativus* L.

7. *L. arvensis* siliquis Pisi minoris, nobis. *L. Cicera* L.

8. *L. arvensis*, annus, luteus, siliquis hirsutis, nobis. *L. hirsutus* L.

9. *L. Boeticus* flore luteo, Park. *L. sp. ?*

10. *L. luteus*, annuus, foliis Convolvuli minoris, nobis. No specimen. Cited Hort. Cliff. 367. *L. Aphaca* L.

- 55, 1. *L. Tingitanus* siliquis Orobi . . . nobis. Cited Sp. Pl. 732, and Bot. Mag. t. 100. *L. tingitanus* L.

2. *L. Viciaoides* floris vexillo Phoeniceo . . . nobis. No specimen. Cited Sp. Pl. 732, for *L. Clymenum* L.

- 56, 7. *L. silvestris* minor, C. B. P. *L. Nissolia* L.

- 58, 8. *Ochrus* sive *Ervilia*, Dod. Cited Hort. Cliff. 370. *Pisum Ochrus* L. = *L. Ochrus* DC.

- 59, 9. *Lens tenuibus* exit cauliculis, rectis . . . *Ervum Lens* L. = *Lens esculenta* Moench. Meth. 131, 1794 = *L. culinare* Medic. in Vorles. Churpf. Phys. Ges. ii. 361, 1787.

- 61, 1. *Vicia perennis* multiflora spicata caerulea sepiaria, nobis. Cited Hort. Cliff. 368. *Vicia Cracca* L.

On p. 65, no. 1, Morison mentions 'Altera major, folio latiore, floribus subalbibus lineis caeruleis notatis, circa Oxoniam reperta,' which clearly refers to *V. sylvatica* L. It is the first record of the latter species for Oxfordshire and Berkshire.

2. *V. perennis* maxima dumetorum . . . nobis. On the sheet is the synonym *V. maxima dumetorum* C. B. P. which Linnaeus quotes for his *V. dumetorum* Sp. Pl. 1035. *V. sepium* L.

3. *V. Narbonensis* maxima . . . nobis. Cited Hort. Cliff. 369. *V. narbonensis* L.

- 62, 4. *V. flore* luteo-pallido . . . nobis. Cited Sp. Pl. 736. *V. lutea* L.

5. *V. lutea* foliis Convolvuli minoris, C. B. P. One specimen from ?India labelled *Craridy*. *L. Aphaca* L. Already given p. 52, no. 10.

Under this the *Historia* mentions *V. maritima* flore albo longo nobis, which is *Vicia hybrida* L.

6. *V. major vulgaris sativa*, nobis. '*flore albo*.' **V. sativa** L.
Also a sheet labelled *Vicia Sylvest. flo. ruberrimo, siliqua longa nigra*, Shotover (Oxon.) *R. Syn.* 188, which is the type plant of **V. angustifolia** L., var. **Bobartii** Forster.
- 63,—. *V. major folio cordato, flore rubro, fructu albo Pisi minoris instar*, nobis. **V. sativa** L.
8. *V. pratensis verna seu praecox Soloniensis . . . nobis*. No specimen. Cited in *Sp. Pl.* ed. ii. 1040 for *Ervum soloniense* L. = *Lens Lenticula* Alef. = **Lens soloniensis** (L.).
9. *V. minor segetum cum siliquis pluribus hirsutis*, C. B. P. *Ervum hirsutum* L. = **Vicia hirsuta** S. F. Gray.
- 64, 10. *V. minor segetum cum siliquis paucis glabris*, nobis. Cited in *Sp. Pl.* ed. ii, 1039. *Ervum tetraspermum* L. = *Vicia gemella* Crantz = **V. tetrasperma** Moench.

Caput II. **Siliquosae Papilionaceae Bivalves Trifoliatae Scandentes caulibus.**

- P. 68, 1. *Phaseolus major sive Smilax hortensis*, C. B. P. **Phaseolus vulgaris** L.
- 69, 4. *P. Indicus, flore coccineo seu puniceo*, nobis. **P. coccineus** L.

Caput III. **Siliquosae Papilionaceae Bivalves non Scandentes.**

- P. 74, 1. *Orobus sativus sive Ervum semine anguloso . . . nobis*. Cited Hort. Cliff. 370. *Ervum Ervilia* L. = **Vicia Ervilia** Willd.
- 75, 3. *Cicer sativum*, C. B. P. Cited Hort. Cliff. 370. **Cicer arietinum** L.
- 77, 5. *Orobus silvaticus latifolius siliquis propendentibus, parvo flore purpureo*, nobis. *O. venetorum H. Pat.: Orobus latifolius parvo flore prorsus albo*, C. B. P. 357; *Gallegae nemorensis similis multiflora flo. albo*, J. B. ii. 345. *Orobus variegatus Tenore* = **Lathyrus Venetus** (Mill. under *Orobus*) Rouy.
- 78, 6. *O. silvaticus Viciae foliis . . . nobis*. *O. silvaticus Viciae foliis*, C. B. P. 352; *O. Pannonicus 2 Clus. Hist.* *O niger* L. = **Lathyrus niger** Bernh.
7. *O. silvaticus nostras . . . tuberosa radice nobis* No specimen. The figure (Tab. 21, fig. 6: also tab. 7, fig. 6, for the narrow-leaved form) is cited in Hort. Cliff. 366. *O. tuberosus* L. = **L. montanus** Bernh.
There is also a specimen labelled *Orobus silvaticus nostras Raii Syn.* 191, which is **Vicia Orobus** DC.
8. *Sophora, Securidaca Aegyptiaca*, Park. This is probably **Cassia Sophora** L. teste E. M. Holmes.
This is included in the *Catalogus Hort. Oxon.*, ed. 2, p. 172, n. 8, 1658, as cultivated in the Physic Garden.

- 79, 9. *Sesban Aegyptiacum* . . . Park. *Aeschynomene Sesban* L. = *Sesbania aegyptiaca* Poir. = **Sesbania Sesban** (L.).
- 80, 10. *Securidaca vera* . . . nobis. Cited Hort. Cliff. 363, *Coronilla Securidaca* L. = *Securigera Coronilla* DC. = **Bonaveria Securidaca** (L.) Desv.
- 81, 11. *Stella Leguminosa*, Lob. **Astragalus Stella** Gouan.

Caput IV. **Legumina non Scandentia, Siliquis Erectis.**

- P. 83, 1. *Faba major* . . . Cited Hort. Cliff. 369. **Vicia Faba** L.
- 84, 2. *Faba minor seu equina*, C. B. P. **V. Faba** L.
- 86, 3. *Lupinus vulgaris* . . . **Lupinus albus** L.
- 87, 4. *L. flavo flore*, Clus. Hist. **L. luteus** L.
 5. *L. peregrinus coeruleus major villosus*, C. B. P. **L. hirsutus** L.
 6. *L. coeruleus* . . . *Virginianus repens*, nobis. Cited Sp. Pl. 721, and Bot. Mag. t. 202. **L. perennis** L.
- 88, 7. *L. silvestris angustifolius* . . . nobis. Cited Hort. Cliff. 499. **L. varius** L.
- 89, 8. *Glycyrrhiza vera siliquosa* . . . C. B. P. Cited Hort. Cliff. 494. **Glycyrrhiza glabra** L.
- 91, 9. *Galega vulgaris*, C. B. P. Cited Sp. Pl. 714. **Galega officinalis** L.
 Also a second sheet *G. vulgaris floribus penitus candidantibus*, C. B. P. 352, of the same.
- 93, 10. *Orobus silvaticus perennis vernus* . . . nobis. Cited Hort. Cliff. 366. *Orobus vernus* L. = **Lathyrus vernus** Bernh.
- 96, 2. *O. Syriacus hirsutus, magno flore*, nobis. No specimen. Cited, with a query as to fig. 2, in Sp. Pl. 759 for **Astragalus syriacus** L.
97. *O. villosus floribus globosis*, C. B. P. **Anthyllis Barba-Jovis** L.
- 102, 1. *Tribulus terrestris Ciceris folio*, . . . nobis. Cited in Hort. Cliff. 160. **Tribulus terrestris** L.

Caput V. **Siliquosae Papilionaceae siliquis gemellis, duplicem seminum seriem continentibus donatae.**

- P. 105, 1. *Astragalus perennis spicatus Americanus* . . . nobis. *Apios Amer. Cornuti*. 'Narry Vendi. Neringela.' Cited Sp. Pl. 753. *Glycine Apios* L. = **Apios tuberosa** Moench; but Bobart has in error put in a specimen of *Tribulus* to represent it which bears no resemblance to Morison's figure, tab. 9, no. 1.
- 106, 3. *A. purpureus perennis Monspeliensis*, nobis. Cited Sp. Pl. 761 and Bot. Mag. t. 375. **Astragalus monspessulanus** L.
- 107, 6. *A. purpureus annuus peregrinus* . . . nobis. Cited Sp. Pl. 762. **Biserrula Pelecinus** L.

8. *A. luteus perennis procumbens* . . . nobis. Cited Sp. Pl. 758. *Astragalus glycyphyllos* L.
- 108, 9. *A. luteus perennis siliqua gemella rotunda, vesicam referente, nobis.* No specimen. Cited Hort. Cliff. 362. *A. Cicer*, L.
10. *A. luteus* . . . *Monspeliacus procumbens, nobis.* Cited Hort. Cliff. 362. *A. hamosus* L.
11. *A. luteus* . . . *Boeticus* . . . nobis. No specimen. Cited Sp. Pl. 758 for *A. boeticus* L.
- 109, 12. *A.* . . . *floribus parvis, nobis.* No specimen. Cited Hort. Cliff. 361. *A. sesameus* L.
- 113, 1. *Tragacantha Massiliensis* . . . nobis. *A. Tragacantha* L. p. p.; *A. massiliensis* Lam. Enc. i. 320.
 There is also a specimen of *Tragacantha species ex Insulis Balearicis, testibus* White and Bucknall, *A. Poterium* Vahl.
2. *T. Granatensis* . . . nobis. *Ex Hisp. collect. Tournefort.* *A. aristatus* L'Hérit., *testibus* White and Bucknall.

Caput VI. **Siliquosae Papilionaceae siliquis articulatis donatae.**

- P. 117, 1. *Ferrum equinum siliqua singulari, C. B. P.* Cited Hort. Cliff. 364. *Hippocrepis unisiliquosa* L.
- 118, 2. *F. equinum siliqua multiplici, C. B. P.* Cited Hort. Cliff. 364. *H. multisiliquosa* L.
3. *F. equinum capitatum seu comosum, Col.* *H. comosa* L.
- 119, 4. *Polygala dumetorum major, . . . nobis.* Cited Hort. Cliff. 363. *Coronilla varia* L.
- 122, 7. *Colutea Scorpioides elatior & major frutescens, nobis.* Cited Hort. Cliff. 363. *C. Emerus* L.
10. *C. sive Polygala Valentina prima, Clus. Hist.* Cited Hort. Cliff. 363. *C. valentina* L.
11. *C. siliquosa minor coronata, C. B. P.* *C. coronata* L.
- 124, 12 [13]. *Ornithopodium majus, C. B. P.* Cited Hort. Cliff. 364. *Ornithopus perpusillus* L.
- 125, 15. *Ornithopodium αἰγυκέρarov, nobis.* Cited Hort. Cliff. 364. *O. compressus* L.
- 127, 1. *Scorpioides Bupleuri folio, . . . nobis.* *Scorpiurus sulcata* L., *testibus* White and Bucknall.
2. *S. Bupleuri folio, corniculis asperis magis . . . nobis.* Cited in Sp. Pl. 745 for *S. subvillosa* L. The specimen is *S. sulcata* L., *testibus* White and Bucknall.
3. *S. Bupleuri folio, corniculis crassioribus . . . nobis.* No specimen. Cited Sp. Pl. 745 for *S. vermiculata* L.
4. *S. Bupleuri folio, corniculis asperis & rugosis . . . nobis.* No specimen. Cited in Sp. Pl. 745 for *S. muricata* L.

5. S. Portulacae . . . nobis. *Ornithopus scorpioides* L., = *Coronilla scorpioides* Koch (I. K.).
- 128, 6. S. *Viciae foliis minima*, nobis. *Scorpiurus pinnata* Mill. Gard. Dict. = *Artrolobium ebracteatum* Desv.; = *Ornithopus ebracteatus* Brot. (I. K.) = *O. pinnatus* Druce.
- 129, 7. *Onobrychis major perennis* . . . nobis. Cited in Hort. Cliff. 365. *Hedysarum coronarium* L.
- 130, 8. *O. major annua* . . . nobis. Cited in Sp. Pl. 750. *H. flexuosum* L.
9. *O. major perennis Canadensis* . . . nobis. Cited in Sp. Pl. 748. *Hedysarum canadense* L. = *Desmodium canadense* DC.
- 131, 10. *O. major siliculis echinatis* . . . nobis. Cited in Hort. Cliff. 365. *Hedysarum Onobrychis* L.; = *Onobrychis viciaefolia* Scop.
- There is also a sheet of specimens gathered by J. B. (obart) on *Wiltshire Downes* of *Onobrychis minor et humilior flore spicato rubicundo* of the same species which was first recorded for that county by How in the *Phytologia* of 1650.

Caput VII. **Trifolia Leguminosa** (*Trifolium Bituminosum*, etc.).

- P. 136, 1. *Trifolium bituminosum* . . . nobis. Cited Hort. Cliff. 373. *Psoralea bituminosa* L.: represented by both the broad and the narrow-leaved forms.
- 137, 2. *T. pratense album vulgare odoratum*, nobis. Cited Hort. Cliff. 375. *Trifolium repens* L.
- Also a specimen *T. pratense minus album foliis purpureis*, *Purplewort*, a form of the same species.
- 138, 4. *T. album tricoccon* . . . nobis. Cited Sp. Pl. 767. *T. subterraneum* L.
5. *T. pratense purpureum vulgare*, nobis. Cited Hort. Cliff. 375. *T. pratense* L.
- Also *T. purp. majus sativum, pratensi simile R. S. 194*, which is var. *sativum* Schreber, and specimens *flore albo*.
- 139, 1. *T. purpureum montanum majus spica oblonga*, nobis. *T. medium* Huds.
- 140, 4. *T. . . montanum pinnatum Lagopoides* . . . nobis. Cited Hort. Cliff. 375. *T. rubens* L.
5. *T. . . Lagopoides frutescens incanum Creticum*, nobis. *Ebenus cretica* L.
6. *T. . . Lagopoides hirsutum annuum* . . . nobis. Cited Sp. Pl. 768 (fig. 1) for *Trifolium squarrosus* L.: the specimen is probably *Trifolium angustifolium* L.
- 141, 7. *T. lagopoides hirsutum angustifolium Hispanicum* . . . nobis. *T. incarnatum* L.

8. *T. lagopoides purpureum arvense* . . . nobis. Cited in Hort. Cliff. 374. **T. arvense** L.
9. *T. lagopoides minus folio acuto non crenato* . . . nobis.
T. angustifolium L.
- 142, 1. *T. agrarium luteum capitulo Lupuli majus*, nobis. *T. luteum lupulinum* Ger. Emac. **T. procumbens** L.
2. *T. luteum lupulinum minimum*, nobis. Cited Sp. Pl. 773, for *T. filiforme* L. The specimens are **T. dubium** Sibth.
3. *T. luteum parvum rectum flore glomerato cum unguiculis*, I. B. *Ex Aleppo*. An immature specimen.
- 143, 4. *T. capitulo glomerato rigido flore luteo*, I. B. Chabr.
T. lappaceum L.
9. *T. stellatum purpureum* . . . nobis. **T. stellatum** L.
- 144, 11. *T. purpureum glomerulis Personatae Cherleri*, I. B. Chabr.
The name refers to *T. Cherleri* L. : but the specimen is *T. maritimum* Huds., = **T. squamosum** L. (Amoen. iv).
12. *T. purpureum pratense folliculatum*, C. B. P. See Hort. Cliff. 373. **T. resupinatum** L.
13. *T. fragiferum Friscum* . . . nobis. Cited Hort. Cliff. 373.
T. fragiferum L.
15. *T. vesicarium* . . . nobis. No specimen. Cited Hort. Cliff. 373. **T. resupinatum** L.
- 147, 8. *T. corniculatum Lusitanicum* . . . nobis. **Cleome violacea** L., see also 289, no. 3.
[In Index Kewensis this species is referred in error to *C. graveolens* Rafin. !]

Caput VIII. **Trifolia Leguminosa** (*Trifolium Cochleatum* seu *Medica Cochleata*).

- P. 152, 1. *Medica cochleata major* *δικαρπος* . . . nobis. No specimen. Cited in Sp. Pl. 779 for *Medicago polymorpha* L. var. *orbicularis* L. = **M. orbicularis** All.
2. *M. cochleata altera* . . . nobis. No specimen. DC. Prod. ii. 174. Cited fig. 2 for **M. orbicularis** All., and also for **M. marginata** Willd., into which it is merged in Index Kewensis.
3. *M. . . capsula . . . rugosa alba*, nobis. No specimen. Cited in DC. Prod. ii. 175 for **M. scutellata** Miller.
4. *M. . . capsula . . . globosa scutellata*, nobis. Cited in Sp. Pl. 779 for *Medicago polymorpha* L. var. *scutellata* L., = **M. scutellata** Mill. De Candolle in Prod. ii. 175 cites fig. 4 for *M. rugosa* Lam. The specimens, however, appear to be **M. orbicularis** All.
- 153, 5. *M. . . capsula turbinata plana*, nobis. No specimen. Cited in DC. Prodr. ii. 175 for **M. turbinata** Willd.

6. *M.* . . . capsula turbinata rugosa, nobis. No specimen. Cited Sp. Pl. 780 for *Medica polymorpha* var. *turbinata* L., but with a query in DC. Prodr. ii. 175 for *M. tuberculata* Willd.
7. *M.* . . . spinis paucioribus & rigidioribus, nobis. No specimen. Cited Sp. Pl. 780. DC. Prod. ii. 181 refers it to *M. ciliaris* Willd. The Ind. Kew. gives Krocker as the authority.
8. *M.* . . . spinis longioribus sursum & deorsum tendentibus, nobis. Cited Sp. Pl. 780 for *M. polymorpha* var. *intertexta*, L., and by DC. in Prodr. ii. 181 for *M. intertexta* Willd. Miller is the earliest authority for the name. The specimen is *M. lappacea* Desr. as White and Bucknall agree.
9. Haec Icon repraesentat capsulam *Medicae* 8 . . . No specimen. DC. in Prodr. ii. 181 says it is *M. Echinus* DC.
11. *M.* . . . spinis crassioribus & brevioribus armata, nobis. No specimen. Cited Sp. Pl. 781 for *M. polymorpha* var. *muricata* L. = *M. muricata* All.
12. *M.* . . . capsula spinosa rotunda minore & foliis quasi spinosis, nobis. No specimen. DC. Prodr. ii. 179 cites with a query fig. 12 t. 15 for *M. maculata* Willd. = *M. arabica* Huds.
- 154, 15. *M.* . . . πολύκαρπος . . . incana, maritima, nobis. *M. marina* L. The figure t. 15 f. 15 is cited by DC. Prodr. ii. 179 for *M. minima* Lam.
16. *M.* . . . capsulis ciliaribus nigris, nobis. No specimen. Cited by DC. Prodr. ii. 177 for *M. coronata* Desr.
17. *M.* . . . folio cordato, macula fusca notato, nobis. Cited Sp. Pl. 780. *M. polymorpha* var. *arabica* L. = *M. arabica* Huds.
18. *M.* . . . capsula nigra hispidiore, nobis. No specimen. The fig. 18 is cited by DC. Prodr. ii. 179, *optim.*, for *M. Gerardi* Waldst. & Kit., = *M. rigidula* Thuill.
19. *M.* . . . capsula nigra minus hispida, nobis. No specimen. Cited with a query in DC. Prodr. ii. 177 for *Medicago pentacycla* DC., put under *M. denticulata* Willd. in *Index Kewensis*; to which is also referred *M. nigra*, likewise cited for f. 19 by DC. 178.
- 155, 21. *M.* . . . capsula minima, coronata, nobis. No specimen. Cited in Sp. Pl. 780 for *M. polymorpha* var. *coronata* L.: but DC. with a query cites *M. distans* = *M. hispida* Gaertn. teste Ind. Kew.

Caput IX. **Trifolia Leguminosa** (*Trifolium falcatum* seu *cornutum*).

- P. 157, 1. *Medica silvestris frutescens* . . . nobis. No specimen. Cited Hort. Cliff. 377. **Medicago falcata** L.
- 158, 2. *M.* . . . *sativa* sive *Trifolium sativum* . . . nobis. Cited Sp. Pl. 778. **M. sativa** L.
One sheet *floribus ex violaceo et luteo mixtis* is probably var. **versicolor** Seringe.
3. *Trifolium* seu *Medica annua* . . . nobis. Cited Sp. Pl. 778. *M. radiata* L. = **Trigonella radiata** Boiss.
4. *T.* . . . *frutescens incanum* . . . nobis. Cited Hort. Cliff. 377. **Medicago arborea** L.

Caput X. **Trifolia Leguminosa** (*Trifolium odoratum* *Melilotus dictum*).

- P. 161, 1. *T. odoratum* seu *Melilotus fruticosa candida major*, Trag. **Melilotus alba** Desr.
2. *T.* . . . *officinarum*, nobis. *M. officinalis* Lam., = **M. altissima** Thuill.
4. *T.* . . . *pericarpio magno* . . . *albo*, nobis. **M. italia** Lam.
5. *Melilotus lutea minor* . . . nobis. Cited Sp. Pl. ed. ii. 1077. *Trifolium M. indica* L. = **M. indica** All.
There is also a sheet from *Fort St. George*, India, doubtless a Du Bois specimen of the same species, labelled *Sheru Pallada*.
6. *M. lutea minor* . . . *foliis angustioribus maculis sub exortum notatis*, nobis. **M. sulcata** Desf.
7. *M.* . . . *folio minore & angustiore*, nobis. **M. sulcata** Desf.
- 162, 8. *M.* . . . *seminis pericarpio nigro*, nobis. Cited Hort. Cliff. 375, 19. The glabrous-fruited form of **Medicago lupulina** L.
9. *M.* . . . *semine Foenugraeci*, nobis. **Melilotus messanensis** All.
10. *M. major odorata violacea*, nobis. Cited Hort. Cliff. *Trifolium M. caerulea* L. = **Trigonella M. caerulea** Druce.
- 163, 11. *M. lutea major corniculis reflexis*, nobis. No specimen. Cited Sp. Pl. ed. ii. 1094 for **T. corniculata** L.
12. *M. lutea minor procumbens* . . . nobis. **Trigonella Spruneriana** Boiss.; *teste* Dr. Stapf.
13. *M. Syriaca* seu *Chalepensis major* . . . nobis. Hist., p. 164; *hujus semina missa a praedicto D. Huntingdon, nunquam nobis satis laudando, accepta, et biennio abhinc terrae commissa, plantas plurimas nobis in horto publico produxere. Trigonella caelesyriaca* Boiss. *teste* Dr. Stapf.

Caput XI. **Trifolia Leguminosa** (*Trifolium Foenumgraecum*).

- P. 166, 1. *Foenumgraecum sativum*, C. B. P. Cited Hort. Cliff. 376.
Trigonella Foenum-graecum L.
 2. *F. silvestre μονοκέρατον* . . . nobis. **T. gladiata** Stev.
 3. *F. . . siliquis pluribus longis*, nobis. Cited Hort. Cliff. 377.
T. monspeliaca L.

Caput XII. **Trifolia Leguminosa** (*Trifolium Anonis* seu
Ononis).

- P. 169, 1. *Anonis purpurea vulgaris spinosa* . . . nobis. Also a sheet
of *flore albo*. Cited Hort. Cliff. 359. **Ononis spinosa** L.
 2. *A. non spinosa repens*, nobis. **O. repens** L.
 4. *A. purpurea spicata erecta annua* . . . nobis. No specimen.
Cited Sp. Pl. 717 for **O. mitissima** L.
 170, 7. *A. purpurea perennis foliis* . . . rotundioribus . . . nobis.
O. rotundifolia L.
 8. *A. purpurea verna* . . . frutescens . . . nobis. No specimen.
Cited Sp. Pl. 718, Bot. Mag. t. 317, for **O. fruticosa** L.
 171, 9. *A. lutea* . . . **Natrix dicta**, nobis. Cited Hort. Cliff. 358.
O. Natrix L.
 12. *A. . . siliqua glabra longiore & crassiore*, nobis. The name
suggests *Ononis cherleri* L.: but it is a yellow-flowered
species, most probably **O. minutissima** L., in which
determination Messrs White and Bucknall agree.
 13. *A. . . siliqua glabra brevior*, nobis. No specimen. Cited
Sp. Pl. ed. ii. 1011 for **O. reclinata** L.

Caput XIII. **Trifolia Leguminosa** (*Trifolium Lotus*
Herba dictum).

- P. 175, 4. *Lotus δλιγοκέρατος Cretica lutea siliquis longis erectis*,
nobis. **Lotus** sp. ?
 176, 5. *L. . . siliquis binis curvis propendentibus*, nobis. No
specimen. Cited Sp. Pl. 774 for **L. edulis** L.
 8. *L. πολυκέρατος annua* . . . siliquis *Ornithopodii*, nobis. Cited
Hort. Cliff. 372. **L. ornithopodioides** L.
 177, 9. *L. . . siliquis recurvis* . . . nobis. **L. ornithopodioides** L.,
testibus White and Bucknall.
 11. *L. . . lutea minor* . . . nobis. Cited Hort. Cliff. 372.
L. corniculatus L. Also *idem et caulibus et foliis glabrioribus et lucentibus*, **L. uliginosus** Schkuhr.
 12. *Lotus . . . fruticosa Cretica argentea* . . . nobis. Cited Sp.
Pl. 775. **L. creticus** L.
 13. *L. . . frutescens hirsuta* . . . nobis. No specimen. Cited
Sp. Pl. 775 for *Lotus rectus* L. = **Dorycnium rectum**
Seringe.

14. L. . . . frutescens incana alba . . . nobis. Cited Sp. Pl. 775, and Bot. Mag. t. 336. *Lotus hirsutus* L. = *D. hirsutum* Seringe.
- 178, 15. L. . . . siliculis subrotundis erectis, nobis. *D. suffruticosum* Vill.
16. L. . . . flore majore viridi, nobis. *D. herbaceum* Vill.

Caput XIV. **Papilionacea siliquis bivalvibus** (Loto Affinis seu Anthyllis).

- P. 181, 1. Loto affinis vulneraria pratensis, C. B. P. Cited Hort. Cliff. 371. **Anthyllis Vulneraria** L.
2. L. . . . hirsuta herba flore suaverubente, C. B. P. **A. Vulneraria** L. var. **rubriflora** DC., *testibus* Bucknall & White.
3. L. . . . major, Anthyllis vesicaria Hispanica, Park. Cited Hort. Cliff. 371. **A. tetraphylla** L.
The fig. on pl. xvii is numbered 4 instead of 3.
4. L. . . . siliquis hirsutis, circinatis, C. B. P. Cited Hort. Cliff. 377. *Medicago circinnata* L. = *Hymenocarpus circinnata* Savi (I. K.) = **Circinnus circinnatus** O. Kuntze.

Caput XV. **Trifolia Pentapetala Acida.**

- P. 183, 1. *Trifolium acetosum vulgare*, C. B. P. **Oxalis Acetosella** L., and the var. **subpurpurascens** DC.
2. T. acetosum corniculatum . . . procumbens, nobis. Cited Hort. Cliff. 175 and Sp. Pl. 623. **Oxalis corniculata** L.
This is, as the description and figures show, a procumbent plant, which Bucknall and White agree is **O. corniculata** L. Mr. Robinson (*Journ. Bot.* 1907, p. 386) has tried to show that we should reverse the names; that is to call this *O. stricta* L. Fortunately the figure, description, and specimen representing it in this Herbarium, agree in proving that the practice which has obtained for two centuries need not be discontinued.
- 184, 3. T. acetosum . . . majus rectum Indica seu Virginianum, nobis. Cited Sp. Pl. 435. **Oxalis stricta** L.

CAPUT XVI. **Trifolia Pentapetala Fragifera.**

- P. 186, 1. *Fragaria vulgaris*, C. B. P. **Fragaria vesca** L.
Also a sheet labelled *Fragaria fructu albo*, C. B. P. 326 of the same species.
- 186, 2. F. major fructu parvi Pruni magnitudine, C. B. P. Bauhin's plant is cited Sp. Pl. ed. ii. 709 for *Fragaria vesca* var. *pratensis* L. It appears to be *Fragaria elatior* Ehrh. = **F. moschata** Duchesne.
- 186, 3. F. Virginiana fructu coccineo, nobis. **F. chiloensis** Duchesne.

4. *F. major vesca* flore herbaceo, fructu spinoso, nobis. No specimen. Cited Sp. Pl. 495 for *F. muricata* L.
5. *F. sterilis* seu minima vesca . . . nobis. No specimen. Cited Sp. Pl. 495 for *Fragaria sterilis* L. var. β = *Potentilla fragariastrum* Ehrh. = *P. sterilis* Garcke.
- 187, 6. *F. sterilis silvestris sericea* seu incana, nobis. No specimen. Cited Sp. Pl. ed. ii. 715 for *Potentilla subacaulis* L. But Morison states 'in Granadae saxosis collegit; nos copiose in sylvis adjacentibus Pictavio reperimus'; a locality (Poitiers) which suggests a variety of *P. cinerea* Chaix.
- 188, 1. *Pentaphyllum* seu potius *Heptaphyllum* . . . nobis. *Potentilla recta* L., *testibus* White and Bucknall.
2. *Est & Canadense* humilium . . . No specimen. Cited in Sp. Pl. ed. ii. 713 for *P. canadensis* L.
- 189, 4. *P. . . majus rectum rubrum palustre*, nobis. Cited Hort. Cliff. 195. *Comarum palustre* L. = *P. palustris* Scop.
Also a specimen labelled *Pentaphyllum palustre rubrum, crassis et villosis foliis, Suecicum et Hibernicum Pl.[uk.] Tab. 212, Ray Syn. 141. P. palustris* Scop. var. *villosa* (Lehm.).
5. *P. minus rectum* . . . flore albo, nobis. Leaves only. Cited in Hort. Cliff. 194. *Potentilla alba* L.
7. *P. minus procumbens* flore luteo vulgare . . . nobis. Cited in Hort. Cliff. 194, 7. *P. reptans* L.
8. *P. minus incanum Alpinum* flore aureo . . . nobis. The specimen is labelled *Pentaphyllum Alpinum splendens aureo flore J. B. ii. 398. P. verna* L.
9. *P. minus lanuginosum* . . . nobis. *Potentilla villosa* Zimm. = *P. alpestris* Hall = *P. Crantzii* Beck, *testibus* White and Bucknall.
- 190, 10. *P. minus magis villosum* flore aureo . . . nobis. *P. villosa* Zimm. = *P. Crantzii* Beck, *testibus* White and Bucknall.
The Rev. E. S. Marshall thinks the sheet labelled *P. parvum hirsutum J. B. 2. 398* is *P. verna* L.
11. *P. foliis profunde sectis subtus argenteis* flore luteo, J. B. Chabr. Cited 'fig. mala' Hort. Cliff. 193. *P. argentea* L.
12. *P. minus viride* flore aureo tetrapetalo . . . nobis. Cited Sp. Pl. 500. *Tormentilla reptans* L. = *P. procumbens* Sibth.
13. *P. . . Tormentilla dictum*, nobis. Cited Hort. Cliff. 194. *Tormentilla erecta* L. = *Potentilla Tormentilla* Neck. = *P. erecta* Hampe.
- 192, 1. *Pentaphylloides majus erectum* flore albo . . . nobis. Cited Sp. Pl. 496. *P. rupestris* L.
2. *P. majus erectum* flore luteo . . . nobis. Cited Sp. Pl. 499 for *Potentilla monspeliensis* L. In Hort. Cliff. 193

Morison's plate is cited for *Potentilla foliis ternatis incisiss caule diffuso* Fl. Lapp. 211, which appears to be *P. norvegica* L. White and Bucknall refer the specimen to this species.

3. *P. minus supinum* . . . nobis. *P. supina* L.
- 193, 4. *P. . . foliis alatis argenteis et serratis flore luteo, nobis.* Cited Hort. Cliff. 193. *P. Anserina* L.
5. *P. rectum fruticosum Eboracense, nobis.* Cited Sp. Pl. 495. *P. fruticosa* L.

CAPUT XVII. **Pentaphyllis Affines, Pes Leonis, sive Alchimilla.**

- P. 195, 1. *Alchimilla perennis viridis major* . . . nobis. Cited Hort. Cliff. 38. *Alchemilla vulgaris* L.

There is a sheet with a label in Dr. Richardson's handwriting, *Alchemilla alpina quinquefolia* . . . *Mor. Hist.* This is a rare English plant, I never met with it save in a like dismal valley about 6 miles north of Kendle called Long Sledale nigh a place called Buckbarrow Wel, together with *Cotyledon hirsuta* P. B. This was in Mr. Lawson's company. The specimen is *A. vulgaris* L., *sensu lat.*

3. *A. perennis incana, argentea* . . . nobis. Cited Sp. Pl. 123. *A. alpina* L.
 4. *A. annua minima hirsuta* . . . nobis. Cited Hort. Cliff. 39. *Aphanes arvensis* L. = *Alchemilla arvensis* Scop.
196. *Epimedium. Epimedium alpinum* L.

CAPUT XVIII. **Appendix ad Legumina.**

- P. 198, 1. *Herba viva, Hist. Lugd. Acostae. Oxalis sensitiva* L. = *Biophytum sensitivum* DC.

- 201, 1. *Senna Alexandri, sive foliis acutis, C. B. P.* Cited Sp. Pl. 377, for *Cassia Senna* L. = *C. acutifolia* Delile.

The bad specimen is probably this species. Another sheet labelled as above is not *C. acutifolia* as the leaflets are retuse, not acute. Mr. E. M. Holmes thinks it is nearer *C. montana* Heyne, 'but the petiolules seem larger, and the leaflets farther apart.' Bobart has interpolated one of Du Bois' specimens from Fort St. George, India, which Mr. Holmes refers undoubtedly to *C. Tora* L., but another plant is on the same sheet. Another sheet *Senna indica major folio obtuso* is (*teste* Holmes) *C. alata* L.

2. *S. Italica, sive foliis obtusis, C. B. P.* Cited Sp. Pl. 377. *Cassia Senna* L. var. β = *C. obovata* Callad., which Holmes believes the specimen to be.
202. Nil, vel potius Nir. No specimen. Cited in Hort. Cliff. 487. *Indigofera tinctoria* L.

203. *Astragalus perennis* foliis hirsutis caule recto . . . nobis. No specimen. Cited Sp. Pl. ed. ii. 1071 for *Astragalus caprinus* L.
Trifolium argenteum clypeatum Alpin. de Exot. Two sheets of *T. clypeatum* L.

SECTIO III. SILIQUOSAE TETRAPETALAE BICAPSULARES.

CAPUT I. Brassica.

- P. 206, 1. *Brassica capitata alba*, C. B. P. *B. oleracea* L. *sens. lat.* In DC. Syst. ii. 585 referred to var. *capitata*.
- 207, 2. *B. capitata rubra*, C. B. P. No specimen. Cited in DC. Syst. ii. 586 for *B. oleracea* L. var. *rubra* L.
3. *B. capitata polycephalus*, Lugd. No specimen. *B. oleracea* L. var. *gemmipara* DC. l. c. 585.
4. *B. alba capite oblongo non penitus clauso*, C. B. P. No specimen. *B. oleracea* var. *oblonga* DC. l. c.
5. *B. alba crispa*, C. B. P. *B. oleracea* L. (var. *sabauda* L.) var. *bullata* DC. Syst. ii. 584.
6. *B. sativa alba vel viridis* . . . nobis. No specimen. *B. oleracea* L. var. *viridis* DC. l. c. ii. 582.
7. *B. sativa rubra aperta laevis*, nobis. No specimen. *B. oleracea* L. var. *purpurascens* DC. l. c. ii. 584.
8. *B. fimbriata*, C. B. P. No specimen. *B. oleracea* var. *sabellica* L.
9. *B. fimbriata pumila*, C. B. P. No specimen. *B. oleracea* var. *Sabellica* DC. l. c. ii. 584 (n. 9?).
- 208, 10. *B. cauliflora*, C. B. P. *B. oleracea* L. var. *botrytis* L. = *cauliflora* DC. l. c. 586.
11. *B. asparagodes crispa*, C. B. P. *B. oleracea* L. var. *botrytis* = *asparagoides* DC. l. c.
12. *B. Gongylodes*, C. B. P. No specimen. *B. oleracea* L. var. *gongylodes* L. = var. *Caulo-Rapa* DC. l. c.
13. *B. lato Apii folio*, C. B. P. Var. of *B. oleracea* L.
14. *B. angusto Apii folio*, C. B. P. Var. of *B. oleracea* L.
15. *B. maritima arborea seu procerior ramosa*, nobis. No specimen. True *B. oleracea* L.
- 209, 16. *B. maritima* . . . monospermos, nobis. Cited Hort. Cliff. 340. *Crambe maritima* L.
17. *B. silvestris Crambe dicta*, Dod. Cited in DC. Syst. ii. 588. *B. campestris* L.
 The specimen, consisting of leaves only, is probably *B. Napus* L., *testibus* White and Bucknall.
- 210, 18. *B. spinosa*, C. B. P. No specimen. Cited by DC. Syst. ii. 646 for *Zilla myagroides* Forsk.

19. *B. campestris* flore albo, C. B. P. Cited as var. *a.* of no. 4. Hort. Cliff. 339, *Brassica orientalis* L. = *Conringia orientalis* Dum.
20. *B. campestris* perfoliata flore purpureo, C. B. P. Cited DC. Syst. ii. 626. *Moricandia arvensis* DC.
21. *B. silvestris* Napobrassica dicta, nobis. No specimen. Cited DC. Syst. ii. 589 for *Brassica campestris* L. var. *Napobrassica* DC.
22. *B. silvestris* foliis circa radicem cichoraceis asperis . . . nobis. Cited Hort. Cliff. 338. *Turritis glabra* L. = *Arabis glabra* Bernh.
- 211, 23. *B. silvestris* foliis integris et hispidis, C. B. P. Cited DC. Syst. ii. 235 for *Arabis Turrita* L.
The specimen is *Turritis hirsuta* L. = *Arabis hirsuta* Scop.
- 213, 1. *Rapa sativa* rotunda, C. B. P. No specimen. Cited DC. Syst. ii. 590 for *Brassica Rapa* L.
2. *R. sativa* oblonga seu femina, C. B. P. No specimen. Cited DC. l. c. for *B. Rapa* L. var. *oblonga*.
3. *R. silvestris*, C. B. P. No specimen. Cited by DC. l. c. for *B. Rapa* L. var. *oleifera*.
- 214, 1. *Napus sativus* Bunias, Fuch. No specimen. Cited DC. Syst. ii. 592 for *B. Napus* L. var. *esculenta*.

CAPUT II. **Sinapi.**

- P. 215, 1. *Sinapi Rapae* folio, C. B. P. Cited Hort. Cliff. 338. *Sinapis nigra* L. = *Brassica sinapioides* Roth = *Brassica nigra* Koch.
- 216, 2. *S. Apii* folio siliqua hirsuta . . . nobis. Cited Hort. Cliff. 338. *Sinapis alba* L. = *B. alba* Boiss.
3. *S. Erucae* folio, C. B. P. No specimen. Cited DC. Syst. ii. 632 for *Diplotaxis tenuifolia* DC.
5. *S. silvestre* Genevense, J. B. Chabr. Bucknall and White agree with me in referring this to *Erucastrum obtusangulum* Reichb. = *Brassica Erucastrum* L.
6. *S. Monspessulanum* . . . J. B. Chabr. No specimen. Cited DC. Syst. ii. 473 for *Sisymbrium asperum* L.
7. *S. arvense* praecox semine nigro, nobis. Cited Hort. Cliff. 338. *Sinapis arvensis* L. = *Brassica arvensis* O. Kuntze.

CAPUT III. **Erysimum.**

- P. 218, 1. *Erysimum vulgare*, C. B. P. Cited Hort. Cliff. 337. The type with hairy fruits. *Erysimum officinale* L. = *Sisymbrium officinale* Scop.
2. *E. polyceraton* vel *corniculatum*, C. B. P. Cited Hort. Cliff. 337. *S. polyceratum* L.

3. *E. latifolium majus glabrum*, C. B. P. **S. Irio L.**

Morison mentions on p. 219, 'Passim circa Londinum & circa pagum dictum Chelsey secundo ab urbe lapide, copiose proveniente observare licet, imo in ipsis rudieribus Londini post incendium quod incepit secundo die Septembris anno Dom. 1666 post octimestre spatium adeo dense pullulavit passim ut facile sicut Triticum aut Secale demeti potuerit a quovis messore' (v. Praelud. Bot. 498).

- 219, 4. *E. montanum Irionis vulgaris folio . . . nobis.* Cited DC. Syst. ii. 469. Leaves only. *Sisymbrium Columnae Jacq.* = **S. orientale L. testibus White and Bucknall.**

5. *E. minimum annum hirsutum, nobis.* Cited DC. Syst. ii. 223. ***Arabis hirsuta Scop.***

A sheet with Dr. Richardson's writing is inserted here: *Barbarea muralis J. B. on the rocks nigh Malham & Settle in Craven pretty plentiful but in abundance upon the walls of Calton Hall and especially upon the Court walls an abundance. Calton is six miles from Skipton in Craven.* ***Arabis hirsuta Scop.***

CAPUT IV. **Nasturtium Siliquosum.**

- P. 221, 1. *Nasturtium minimum annum flore albo, nobis.* Cited in Hort. Cliff. 336. ***Cardamine impatiens L.***
- 222, 2. *N. annum Alpinum insipidum, C. B. P.* An attenuated form of *Sisymbrium arenosum L.* = ***Arabis arenosa Scop.***
3. *N. Alpinum minus Resedae foliis, C. B. P.* No specimen. Cited DC. Syst. ii. 260 for ***Cardamine resedifolia L.***
4. *N. Neapolitanum agreste flore purpureo, nobis.* No specimen. Cited DC. l. c. 263 for ***C. chelidonia L.***
- 223, 5. *N. silvestre tenuissime divisum . . . nobis.* Cited Hort. Cliff. 337. ***Sisymbrium Sophia L.***
6. *N. pratense magno flore simplici, nobis.* Cited Hort. Cliff. 336. ***Cardamine pratensis L.***, the pink-flowered var. ***palustris (Petermann).***
7. *N. aquaticum supinum flore albo, nobis.* Cited Hort. Cliff. (fig. 8) 336. *Sisymbrium Nasturtium* Δ L. = *Nasturtium officinale Br.* = ***Radicula Nasturtium Druce.***
- 224, 8. *N. aquaticum majus et amarum, C. B. P.* Cited DC. Syst. ii. 225. ***Cardamine amara L.***
10. *N. aquaticum minus, C. B. P.* No specimen. Cited DC. Syst. ii. 259 for ***C. hirsuta L.***
11. *N. Alpinum palustre rotundifolium . . . nobis.* No specimen. Cited Sp. Pl. 654 for ***C. asarifolia L.***
12. *N. Alpinum trifoliatum, nobis.* Cited in Hort. Cliff. 336 (tab. 4, fig. 13). ***C. trifolia L.***

- 225, 13. *N. minus* Bellidis folio, C. B. P. No specimen. Cited DC. Syst. ii. 249 for **Cardamine bellidifolia** L. var. **alpina** DC.

The following specimen is not mentioned in the *Historia*; *Nasturtium petraeum* Cambro-Britann. Johns. Merc. Bot. par. alt. It grows on that part of Snowdon called y Clogwyn du yn yr Arden near Llanberis, D. Lloyd. **Arabis petraea** Lam.

CAPUT V. **Eruca.**

- P. 228, 1. *Eruca major sativa annua flore albo striato*, J. B. Chabr. Cited in Hort. Cliff. 337. *Brassica Eruca* L. = **Eruca sativa** Mill.
Also a sheet of the white-flowered form, *Varietas prioris foliis latioribus maculis nigris aspersis*.
4. *E. Romana sive gentilis* . . . J. B. Chabr. **Diplotaxis erucoides** DC. *testibus* White and Bucknall.
- 229, 6. *E. silvestris latifolia* . . . nobis. (tab. 5, fig. 7.) Cited Hort. Cliff. 337. **Erysimum cheiranthoides** L.
8. *E. Monspeliensis flore minimo luteo*, J. B. Chabr. Cited in DC. Syst. ii. 635 for **Diplotaxis viminea** DC. Represented by two specimens, neither of which can be identified.
9. *E. inodora*, J. B. Chabr. (tab. 5, fig. 10.) Cited DC. l. c. 465 for *Sisymbrium obtusangulum* Schleicher = *Brassica Erucastrum* L.
The label says *flos ochroleucos est*. Leaf-specimen only, which Bucknall and White refer to **Eruca sativa** Mill.
10. *E. caerulea in arenosis nascens*, C. B. P. No specimen. Cited DC. Syst. ii. 232, 34, for **Arabis arenosa** Scop.
- 230, 11. *E. latifolia lutea seu Barbarea major*, nobis. *Erysimum Barbarea* L. = *Barbarea vulgaris* Br. = **B. lyrata** Aschers.
12. *Datur et huius alia species distincta* . . . *B. praecox* Br. = **B. verna** Aschers.
16. *E. silvestris major vulgatioer foetens*, nobis. **Diplotaxis tenuifolia** DC.
- 231, 17. *E. silvestris seu palustris minor* . . . nobis. Cited DC. Syst. ii. 190. *Nasturtium sylvestre* Br. (I. K.) = **Radicula sylvestris** Druce.
18. *E. Bellidis folio*, nobis. Cited Hort. Cliff. 337. *Sisymbrium murale* L. = **Diplotaxis muralis** DC.
19. *E. Tanacetii foliis*, nobis. Cited Sp. Pl. 659. Leaf only of **Sisymbrium tanacetifolium** L.
20. *E. maritima Anglica* . . . nobis. Cited Hort. Cliff. 340. *Bunias Cakile* L. = **Cakile maritima** Scop. In DC. Syst. ii. 429, cited as var. **sinuatifolia** DC.

21. *E. maritima Italica*, C. B. P. Cited DC. Syst. ii. 428, *Cakile maritima* Scop.

A bad specimen which Bucknall and White name *Sisymbrium pannonicum* Jacq. = *S. altissimum* L.

- 232, 23. *E. Chalepensis* flore dilute violaceo . . . nobis. Bad specimen. Cited DC. Syst. ii. 674 for *Erucaria aleppica* Gaertn.
24. *E. Monspeliaca* siliqua quadrangula echinata, C. B. P. Cited Hort. Cliff. 340. *Bunias Erucago* L.

CAPUT VI. *Draba Siliquosa.*

- P. 234, 1. *Draba lutea* siliquis strictissimis, C. B. P. Cited DC. Syst. ii. 461. *Sisymbrium strictissimum* L.
3. *D. siliquosa alba repens*, C. B. P. *Arabis alpina* L.
- 235, 4. *D. alba siliquosa*, C. B. P. No specimen. Cited DC. Syst. ii. 216 for *Arabis alpina* L.
5. *D. siliquosa* . . . *praecox annua*, nobis, Cited DC. Syst. ii. 226. *Sisymbrium Thalianum* Gay.
6. *D. caerulea annua* . . . nobis. Cited DC. Syst. ii. 441. *Malcomia maritima* Br. = *Wilckia maritima* Scop.

CAPUT VII. *Raphanus.*

- P. 236, 1. *Raphanus minimus repens luteus* . . . nobis. No specimen. Cited Sp. Pl. ed. ii. 916 for *Sisymbrium pyrenaicum* L., and DC. Syst. ii. 190 for *Nasturtium sylvestre*. (See 231, 17.)
- 237, 2. *R. rusticanus*, C. B. P. Cited Hort. Cliff. 332, 2. *Cochlearia Armoracia* L.
3. *R. aquaticus* . . . C. B. P. Cited DC. Syst. ii. 191 for *Nasturtium palustre* DC. The specimen is *Nasturtium amphibium* Br. = *Radicula amphibia* Druce.
4. *R. aquaticus alter foliis serratis*, nobis. Cited in DC. Syst. ii. 196. *Nasturtium amphibium* Br. var. *indivisum* DC. = *R. amphibia* Druce, var. *indivisa* Druce.

CAPUT VIII. *Leucoium Siliquosum.*

- P. 240, 1. *Leucoium incanum majus*, C. B. P. Cited Hort. Cliff. 334. *Cheiranthus incanus* L. = *Mathiola incana* Br.
3. *L. incanum majus variegatum simpliciflore*, C. B. P.
- 241, 4. *L. incanum majus variegatum pleno flore*, C. B. P. Nos. 3 and 4 are forms of *M. incana* Br.
5. *L. maritimum latifolium annuum*, nobis. No specimen. Cited Sp. Pl. 664 for *Hesperis verna* L. = *Arabis verna* Br.
8. *L. maritimum sinuato folio*, C. B. P. Cited DC. Syst. ii. 167. *Mathiola sinuata* Br.
9. *L. maritimum angustifolium*, C. B. P. *Malcomia littorea* Br. = *Wilckia littorea* Druce.

- 242, 10. *L. marinum saxatile Thymi folio* . . . C. B. P. Cited DC. Syst. ii. 294. *Aubrieta deltoidea* DC.
12. *L. luteum montanum altum, Ponaë Ital.* *Erysimum strictum* Fl. Wett. = *E. hieracifolium* L. (I. K.), *testibus* Bucknall and White.
13. *L. maritimum* . . . *siliqua tribus in summo apicibus donata, nobis.* Cited Sp. Pl. 663. *Cheiranthus tricuspidatus* L. = *Mathiola tricuspidata* Br.
- 243, 14. *L. flore albo siliquis uno versu dispositis et reflexis, nobis.* *Arabis Turrita* L. *testibus* Bucknall and White.
15. *L. flore albo odoratissimo* . . . nobis. Cited Hort. Cliff. 334. *Cheiranthus Cheiri* L.
- 244, 18. *L. silvestre angustifolium,* C. B. P. Represented by two specimens: one *Erysimum hieracifolium* L.; the other (*testibus* Bucknall and White) *E. Cheiranthus* Pers.
22. *L. luteum majus pleno flore,* C. B. P. *Cheiranthus Cheiri* L. flore pleno.
- Bobart has here inserted a sheet with Dr. Richardson's note; *Pilosellæ similis sed major perennis alpina repens D. Lluyd* . . . on the rocks of *phynon vellon nigh Llanperis.* *Draba incana* L.
- Also a sheet labelled *Leucojum vasculo sublongo intorto humilius et perenne D. Richardson, May 18, 1712. In summis rupibus Husvæ dictis D. Lluyd,* Carnarvonshire. Also another sheet from Richardson with the remark, *it is not uncommon upon the limestone rocks nigh Settle (Settle). I have found it in a place called Ashwood nigh Buxton in Derbyshire, it flowers about the end of June whereas the Welsh one flowers in March: both being Draba incana* L.
- 245, 1. *L. lunatum seu lunarium latifolium* . . . nobis. Cited DC. Syst. ii. 283. *Lunaria biennis* Moench.
- 246, 2. *L. lunatum* . . . flore albo . . . nobis. No specimen. Cited DC. Syst. 282 for *L. biennis* var. *albiflora* DC.
3. *L. majus perenne siliqua lunata longa mucronata, nobis.* Cited Hort. Cliff. 333 and DC. Syst. ii. 281. *L. rediviva* L.
4. *L. asperum siliquis asperis clypeiformibus, nobis.* Cited DC. Syst. ii. 289. *Alyssum clypeatum* L. = *Farsetia clypeata* Br.
- 247, 5. *L. Alyssoides clypeatum minus,* C. B. P. No specimen. Cited DC. Syst. ii. 292 for *Berteroa obliqua* DC. = *Alyssum mutabile* Vent.
6. *L. incanum siliquis tumidis, subrotundis, nobis.* No specimen. Cited DC. Syst. ii, 298 for *Vesicaria sinuata* Cav. = *A. sinuatum* L.

7. *L. montanum* flore pedato, Col. No specimen. Cited DC. Syst. ii. 408, for *Biscutella hispida* DC. = *B. cichoriifolia* Lois. (l. K.).
- 248, 9. *L. clypeatum* Serpilli folio, nobis. *Clypeola Jonthlaspi* L.
10 et 11. *L. biscutatatum asperum* . . . C. B. P. Cited Hort. Cliff. 329. *Biscutella didyma* L.
Bucknall and White refer one specimen to *B. auriculata* L., and a second to *B. laevigata* L.
- 249, 12. *L. biscutatatum asperum minus*, C. B. P. No specimen. Cited DC. Syst. ii. 412 for *Biscutella Columnae* Tenore = *B. didyma* L.

CAPUT IX. *Hesperis* seu *Viola matronalis*.

- P. 251, 1. *Hesperis hortensis*, C. B. P. Cited Hort. Cliff. 335. *Hesperis matronalis* L. Also a sheet *flore candido*.
2. *H. hortensis* flore viridi seu abortivo, nobis. No specimen. Cited DC. Syst. ii. 451 for *H. matronalis* L. var. *foliiflora* DC.
- 252, 3. *H. montana pallida odoratissima*, C. B. P. Cited Hort. Cliff. 335 and DC. Syst. 447. *Hesperis tristis* L.
4. *H. peregrina siliquis articulatis*, C. B. P. No specimen. Cited in DC. Syst. ii. 185 for *Cheiranthus? syriacus* DC., which is put as a synonym of *Conringia orientalis* in Index Kewensis, but surely in error, since neither the description nor the figure resembles the latter plant.
5. *H. saxatilis* flore ex viridi purpurante . . . nobis. *Hesperis laciniata* All. *testibus* Bucknall and White.
6. *H. Allium redolens*, nobis. Cited DC. Syst. ii. 489. *Alliaria officinalis* Andrj. = *Sisymbrium Alliaria* Scop.

CAPUT X. *Dentaria*.

- P. 254, 1. *Dentaria triphyllos*, C. B. P. No specimen. Cited DC. Syst. ii. 272 for *Dentaria enneaphylla* L. = *Cardamine enneaphylla* Br.
- 255, 2. *D. pentaphyllos*, C. B. P. Cited DC. Syst. ii. 276. *D. digitata* Lam. = *C. digitata* (Lam.).
(Lamarck's species is erroneously referred to *C. pratensis* L. in Index Kewensis.)
3. *D. vii πεντάφυλλος*, 2. Clus. Hist. Cited DC. Syst. ii. 277. *D. digitata* Lam. = *C. digitata* (Lam.) Schulz.
4. *D. heptaphyllos*, C. B. P. Cited DC. Syst. ii. 277, 'non vero icon.' for *D. pinnata* Lam. = *C. pinnata* Br.
The specimen is *C. bulbifera* Crantz.
5. *D. heptaphyllos sobolifera*, nobis. *D. bulbifera* L. = *C. bulbifera* Crantz.

6. *D. baccifera* foliis Ptarmicae, C. B. P. No specimen. Cited DC. Syst. ii. 278 for *D. bulbifera* L. var. *ptarmicaefolia* DC. = *C. bulbifera* Cr. var. *ptarmiciifolia*.

CAPUT XI. *Chelidonium majus*.

- P. 257, 1. *Chelidonium maximum* Canadense, Cornut. Cited Sp. Pl. 505. *Sanguinaria canadensis* L.
It was cultivated in Britain prior to 1680.
2. *C. majus vulgare*, C. B. P. Cited Hort. Cliff. 201. *Chelidonium majus* L.
3. *C. majus laciniato flore et foliis quernis*, C. B. P. et Prod. *C. majus* L. var.
- 258, 4. *C. majus foliis tenuissime . . . dissectis . . . nobis*. *C. majus* L. var. *laciniata* Stokes.

CAPUT XII. *Siliquosae Bivalves, & aliae, variae siliquis, floribus autem inter se conformes* (*Fumaria* sive *Capnos*).

- P. 259, 1. *Fumaria siliquosa sempervirens*, Corn. No specimen. Cited Sp. Pl. 700 for *Fumaria sempervirens* L. = *Capnoides sempervirens* Borckh.
- 260, 2. *F. siliquosa bivalvis . . . sine claviculis flore albo, nobis*. *Corydalis lutea* DC. = *Capnoides lutea* Gaertn.
3. *F. claviculis donata*, C. B. P. Cited Sp. Pl. 701. *F. claviculata* L. = *C. claviculata* Druce.
4. *F. lutea montana*, Park. Cited Hort. Cliff. 352. *F. Capnoides* L. = *C. lutea* Gaertn.
- 261, 6. *F. tuberosa major radice cava*, C. B. P. Cited Hort. Cliff. 351. *F. bulbosa* L. = *C. bulbosa* (L.).
8. *F. tuberosa minor Radice non cava, nobis*. No specimen. Cited by DC. Syst. Nat. ii. 120 for *Corydalis bulbosa* = *Capnoides solida* Moench.
9. *F. vulgaris latifolia . . . , nobis*. Cited Hort. Cliff. 352. *F. officinalis* L.
10. *F. major scandens foliorum pediculis flore majore pallidiore, nobis*. Cited DC. Syst. ii. 133, 4, for *F. capreolata*. The specimen, teste Dr. Stapf, is *F. apiculata* Lange.
11. *F. vulgaris minor tenuifolia, nobis*. *F. parviflora* Lam.
- 262, 13. *F. minor tenuifolia praecox . . . nobis*. No specimen. Cited Sp. Pl. 701 for *F. spicata* L.

CAPUT XIII. *Siliquosae Tetrapetalae fungosae non bivalves nec bicapulares* (*Raphanus* seu *Radicula*).

- P. 265, 1. *Raphanus niger major rotundus, nobis*. Cited DC. Syst. ii. 665. *Raphanus sativus* L. var. *rotundus* DC.

2. Hujus est et altera species. No specimen. Cited DC. Syst. ii. 665 for *R. sativus* L. var. *vulgaris* DC.
3. *R. magnus sativus*, C. B. P. *R. sativus* L.
4. *R. minor oblongus*, C. B. P. No specimen. Cited Hort. Cliff. 340. *R. sativus* L.
- 1 et 2. *Raphanistrum siliqua articulata* . . . nobis. Cited Hort. Cliff. 340. *Raphanus Raphanistrum* L.
- 266, 3. *R. minimum Monspeliensis* . . . nobis. No specimen. Cited DC. Syst. ii. 667 as a form of *R. Raphanistrum* L.
5. *R. siliqua articulata striata maxima*, nobis. No specimen. Cited DC. Syst. ii. 668 for *R. maritimus* Sm.
1. *R. monospermum maximum rotundifolium*, Cornut. Cited Sp. Pl. 671. *Crambe hispanica* L.
- 267, 3. *R. monospermon capsulis striatis* . . . nobis. Cited Hort. Cliff. 340. *Myagrum perenne* L. = *Rapistrum perenne* Bergeret.
The specimen is, as DC. Syst. ii. 432 cites it, *R. rugosum* Bergeret.
4. *R. monospermon latifolium* . . . nobis. Cited Sp. Pl. 640. *Myagrum perfoliatum* L.
5. *R. siliqua minore, rotunda* . . . nobis. Cited Hort. Cliff. 328. *Myagrum paniculatum* L. = *Vogelia paniculata* Horn. = *Neslia paniculata* Desv.

CAPUT XIV. **Siliquosae Tetrapetalae quadricapsulares**
(*Lysimachia*).

- P. 269, 1. *Lysimachia latifolia* dicta *Chamaenerion*, C. B. P. Also a sheet of white-flowered specimens. Cited Hort. Cliff. 145. *Epilobium angustifolium* L.
- 270, 2. *L. angustifolia* dicta *Chamaenerion*, C. B. P. *E. rosmarinifolium* Haenke = *E. Dodonaei* Vill.
3. *L. siliquosa hirsuta magno flore*, C. B. P. Cited Hort. Cliff. 145. *E. hirsutum* L.
4. *L. siliquosa hirsuta parvo flore*, C. B. P. *E. parviflorum* Schreber.
5. *L. siliquosa glabra major*, C. B. P. *E. montanum* L.
- 271, 6. *L. siliquosa glabra minor*, C. B. P. *E. adnatum* Griseb. *E. tetragonum* L., *testibus* White and Bucknall.
7. *L. lutea corniculata non papposa Virginiana major*, nobis. Cited Sp. Pl. 346. *Oenothera biennis* L.

CAPUT XV. **Siliquosae Tetrapetalae, bi-, tri-, quadri-, multi-capsulares** (*Papaver*).

- P. 273, 1. *Papaver corniculatum luteum*, Diosc. Cited Hort. Cliff. 201. *Chelidonium Glaucium* L. = *Glaucium flavum* Crantz.

2. *P. corniculatum* Phoeniceum hirsutum, C. B. P. *G. Phoeniceum* Crantz = *G. corniculatum* Curtis.
- 274, 3. *P. cornutum* flore violaceo, Gesn. Cited Hort. Cliff. 201. *Cbelidonium hybridum* L. = *Roemeria hybrida* DC.
1. *P. capitatum* vulgare . . . nobis. No specimen. Cited Hort. Cliff. 200. *Papaver somniferum* L.
- 275, 2. *P. hortense* simplex semine albo, nobis. *P. somniferum* L. var. *hortense* (Huss.).
3. *P. hortense* simplex semine nigro, nobis. *Multiplex laciniatis floribus* C. B. P. 171. *P. somniferum* L. forma.
277. *P. spinosum* luteum . . . nobis. Cited Sp. Pl. 509. *Argemone mexicana* L.
6. *P. erraticum* majus seu *Poías*, Diosc. Cited Hort. Cliff. 201. *Papaver Rhoëas* L.
- 278, 9. *Argemone capitulo* hirsuto rotundo . . . nobis. Cited Sp. Pl. 506. *P. hybridum* L.
10. *A. capitulo* tenuiore longiore hirsuto, nobis. Cited Sp. Pl. 507. *P. Argemone* L.
- 279, 11. *A. capitulo* longiore glabro, nobis. Cited Sp. Pl. ed. ii. 726. *P. dubium* L.
12. *A. Cambrobritannica* lutea . . . nobis. Cited Sp. Pl. 508. *P. cambricum* L. = *Meconopsis cambrica* Vig.
13. *A. Coriandri folio*, C. B. P. No specimen. Cited DC. Syst. ii. 70 for *Papaver pyrenaicum* Willd. = *P. nudicaule* L.
1. *Hypecoön siliquis* erectis articulatis incurvis, nobis. *Hypecoön procumbens* L.
- 280, 2. *H. siliquis* propendentibus . . . nobis. Cited Sp. Pl. 124. *H. pendulum* L.

CAPUT XVI. **Siliquosae Multicapsulares variantes & floribus & capsulis.**

- P. 281, 1. *Herba impatiens* seu *Noli me tangere* flore patulo eleganter dilute rubente, nobis. Cited Hort. Cliff. 428. *Impatiens Balsamina* L., also *flore albo*.
- 282, 2. *Impatiens herba* seu *Noli me tangere* flore patulo luteo, nobis. Cited Hort. Cliff. 428. *I. Noli-tangere* L.
3. *Sesamum*, Matth. Cited Hort. Cliff. 318. *Sesamum orientale* L. = *S. indicum* L. (I. K.).
283. *Corchorus Plinii*, Lob. (sive *Melochia*). Cited Hort. Cliff. 209. *Corchorus olitorius* L.
284. *Capparis Portulacae folio*, C. B. P. Cited Hort. Cliff. 160. *Zygophyllum Fabago* L.
285. *Leontopetalon*, Ad. Lob. Cited DC. Syst. ii. 25. *Leontice Leontopetalum* L.

Leontopetalo affinis foliis quernis, C. B. P. No specimen.
Cited Sp. Pl. 312 for *Leontice Chrysogonum* L. = *Bongardia*
Rauwolfii C. A. Mey. (1. K) = *B. Chrysogonum* Boiss.

1. *Soldanella Alpina rotundifolia major*, nobis. No specimen.
Cited Sp. Pl. 144 for *Soldanella alpina* L.

286, 2. *S. Alpina minor* . . . nobis. *S. alpina* L.

Isatis sativa vel latifolia, C. B. P. No specimen. Cited Hort.
Cliff. 341. *Isatis tinctoria* L.

Appendix ad Tetrapetalas Siliquosas Bivalves.

P. 288, 1. *Pentaphyllum peregrinum siliquosum bivalve minus*, nobis.
With Indian name *Veruy marrum*. Cited Sp. Pl. ed. ii.
938. *Cleome pentaphylla* L. = *Gynandropsis penta-*
phylla DC.

2. *P. peregrinum siliquosum bivalve majus*, nobis. Cited Sp. Pl.
ed. ii. 938. *Cleome heptaphylla* L.

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BICAPSULARES.

CAPUT XVII. *Thlaspi discoides*.

P. 291, 1. *Thlaspi Alyssum dictum maritimum*, C. B. P. No speci-
men. Cited DC. Syst. ii. 318 for *Alyssum maritimum*
Lam.

2. T. . . . *campestre majus*, C. B. P. Cited Hort. Cliff. 329.
Alyssum calycinum L. = *A. alyssoides* L.

The specimen appears to be *A. hirsutum* Bieb.

3. T. . . . *campestre minus*, C. B. P. Cited in DC. Syst. ii. 314.
A. campestre L.

292, 4. T. *fruticosum spinosum*, C. B. P. Cited Hort. Cliff. 332.
A. spinosum L.

5. T. *montanum incanum luteum majus* . . . C. B. P. Cited DC.
Syst. ii. 309. *A. montanum* L.

6. T. *saxatile incanum luteum minus* . . . C. B. P. Cited Hort.
Cliff. 333. *A. sinuatum* L.

7. T. *incanum flore albo* . . . J. B. Chabr. Cited Hort. Cliff. 332.
A. incanum L.

293, 9. T. *Alpinum majus capitulis rotundis*, C. B. P. Cited DC.
Syst. ii. 359 for *Cochlearia saxatilis* L.

The specimen is *Thlaspi alpestre* L.

10. T. *Alpinum minus* . . . *foliis integris*, nobis. No specimen.
Cited DC. Syst. l. c. for *Cochlearia saxatilis* L.

11. T. *Alpinum minus* . . . *foliis serratis*, nobis. Probably *Alys-*
sum serpyllifolium Desf.

12. *T. arvense siliculis latis, nobis.* Cited Hort. Cliff. 330. 2. ***Thlaspi arvense* L.**
13. *T. arvense Vaccariae seu Acetosae . . . folio, nobis.* Cited in DC. Syst. ii. 535 for ***Lepidium campestre* Br. var. subglabrum DC.**
The specimen is too imperfect to determine.
- 294, 14. *T. arvense majus . . . C. B. P.* Cited DC. l. c. and Hort. Cliff. 330. ***L. campestre* Br.**
15. *T. arvense perfoliatum majus, C. B. P.* Cited DC. Syst. ii. 378. ***Thlaspi psrfoliatum* L.**
16. *T. arvense perfoliatum minus, C. B. P.* *Neer 3 miles beyond Witney by the stone pits next the road towards Burford at a round Hillock about 6 or 8 foot high: the classic Oxford locality where the plant was first found by Bobart. It is a small form of *Thlaspi perfoliatum* L. See DC. Syst. ii. 378.*
17. *T. spicatum Persicum perfoliatum . . . nobis.* Cited Sp. Pl. 643. ***Lepidium perfoliatum* L.**
- 295, 18. *T. umbellatum arvense Iberidis folio, C. B. P.* Cited DC. Syst. ii. 398. ***Iberis armara* L.**
19. *T. arvense umbellatum Monspeliacum Nasturtii folio, C. B. P.* Cited DC. l. c. 399. ***I. pinnata* L.**
20. *T. Allobrogicum parvum odorato flore, nobis.* Cited DC. l. c. 400. ***I. odorata* L.**
21. *T. umbellatum Creticum Iberidis folio, C. B. P.* Cited Hort. Cliff. 330. ***I. umbellata* L.**
- 296, 23. *T. fruticosum umbellatum Persicum foliis . . . sempervirentibus, nobis.* Cited Sp. Pl. 648. ***I. semperflorens* L.**
24. *T. Alpinum Bellidis caeruleae folio, C. B. P.* Cited DC. Syst. ii. 379. ***Thlaspi montanum* L.**
25. *T. montanum mitius rotundis . . . foliis . . . nobis.* *Thlaspi foliis Globulariae J. B. 926.* Cited DC. l. c. 380. ***Thlaspi alpestre* L.**
- 297, 26. *T. montanum sempervirens, C. B. P.* Cited Hort. Cliff. 330, *Iberis sempervirens* L.; and DC. Syst. ii. 397, *I. Garrexiana* DC. = ***I. saxatilis* L. (I. K.).**
27. *T. villosum capsulis hirsutis, C. B. P.* Cited DC. Syst. ii. 536. ***Lepidium hirtum* DC.**
28. *T. Allium redolens, nobis.* Cited Sp. Pl. 646. ***Thlaspi alliaceum* L.**
29. *T. parvum saxatile flore rubente, C. B. P.* Cited DC. Syst. ii. 558 for *Aethionema saxatile* Br. = ***Aethionema peregrinum* (L.).**
30. *T. peregrinum capsula cordata, J. B. Chabr.* Cited Sp. Pl. 646 for *Thlaspi peregrinum* L. = ***Ae. peregrinum* (L.) var. obtusifolium** (DC. Syst. ii. 558).

- 298, 32. *T. fruticosum angustifolium* Leucoii folio, C. B. P. Park. Cited DC. Syst. ii. 396. *Iberis saxatilis* L.
33. *T. fruticosum folio* Thymbrae hirsuto, C. B. P. Cited DC. l. c. *I. saxatilis* L. var. *thymbraefolia*.
34. *T. montanum monospermum* Glasti folio . . . nobis. No specimen. Cited DC. Syst. ii. 329 for *Peltaria alliacea* Jacq.

CAPUT XVIII. *Nasturtium Siliculosum.*

- P. 300, 1. *Nasturtium vulgare* . . . hortense . . . nobis. Cited Hort. Cliff. 331. *Lepidium sativum* L.
- 301, 2. *N. hortense latifolium*, C. B. P. Cited DC. Syst. ii. 534. *L. sativum* L. var. *latifolium* DC.
- 3 and 4. *N. hortense crispum latifolium*, nobis, C. B. P. (et *angustifolium*). Cited DC. Syst. ii. 534. *L. sativum* L. var. *crispum* DC.
5. *N. petraeum foliis* Bursae pastoris, C. B. P. Cited DC. Syst. ii. 392. *Teesdalia Iberis* DC. = *Teesdalea nudicaulis* Br.
6. *N. pumilum vernum*, C. B. P. No specimen. Cited DC. Syst. ii. 389 for *Lepidium petraeum* L. = *Hutchinsia petraea* Br.
7. *N. silvestre* Osyridis folio capsulis minimis, nobis. No specimen. Cited Hort. Cliff. 331, and DC. l. c. 540 for *Lepidium ruderale* L.
8. *N. silvestre* Erucae affine, C. B. P. No specimen. Cited Hort. Cliff. 329, *Vella annua* L. = *Carrichtera Vella* DC. Syst. ii. 642 = *C. annua* (L.) Prantl.
- 302, 9. *N. verrucosum* . . . nobis. Cited Hort. Cliff. 332. *Cochlearia Coronopus* L. = *Coronopus Ruellii* All. = *C. procumbens* Gilib.
10. *N. Alpinum tenuissime divisum*, C. B. P. Cited DC. Syst. ii. 389. *Hutchinsia alpina* Br.
11. *N. Alpinum capsula* Nasturtii hortensis, nobis. No specimen. Cited DC. Syst. ii. 558 for *Aethionema saxatile* Br. = *Ae. peregrinum* (L.).

CAPUT XX. *Bursa pastoris.*

- P. 304, 1. *Bursa pastoris major* . . . nobis. Cited DC. Syst. ii. 384 *Capsella Bursa pastoris* var. *integrifolia* DC. = *Bursa pastoris* var. *integrifolia* Druce.
2. *B. . . foliis laciniatis* . . . nobis. Cited Hort. Cliff. 330. *Thlaspi Bursa pastoris* L. = *Bursa pastoris* Weber.
- 305, 4. *B. . . minor foliis alatis* . . . nobis. Two sheets. Cited Hort. Cliff. 330. *Iberis nudicaulis* L. = *Teesdalea nudicaulis* Br.

5. B. . . major hirsuta capsula oblonga, nobis. Cited DC. Syst. ii. 352. 49. **Draba muralis** L.
6. B. . . minor loculo oblongo, C. B. P. Cited Hort. Cliff. 333. **Draba verna** L. = **Erophila verna** Meyer.
- 306, 7. B. . . minor foliis trifidis . . . nobis. No specimen. Cited Hort. Cliff. 333. **Erophila verna** Meyer.
8. B. . . Alpina minor hirsuta . . . nobis. No specimen. Cited DC. l. c. 346 for **Draba stellata** Jacq.
9. B. . . Alpina Rosea lutea . . . nobis. Cited Sp. Pl. 642 for **Draba alpina** L., and by DC. l. c. 333 for **D. Aizoides** L. The specimen is **D. Aizoon** Wahl. var. **lasiocarpa** (Rochel).

CAPUT XXI. **Cochlearia.**

- P. 308, 1. **Cochlearia** major Batavica subrotundo folio, nobis. Cited Hort. Cliff. 332. **Cochlearia officinalis** L.
2. **C. Brittanica** folio sinuato, nobis. Leaves only. Cited DC. Syst. ii. 364. **C. anglica** L.
- 309, 3. **C. Hederae** folio, nobis. **C. danica** L.
5. **C. minor erecta** Danica, Sim. Pauli. **C. danica** L.
6. **C. Danica procumbens**, nobis. No specimen. Cited DC. Syst. 366 for **C. danica** L.

CAPUT XXII. **Iberis.**

- P. 311, 1. **Iberis latiore folio serrato**, nobis. Cited DC. Syst. ii. 550. **Lepidium Iberis** L.
2. **I. humilior annua** Virginiana . . . nobis. Cited Sp. Pl. 645. **L. Virginicum** L.

CAPUT XXIII. **Lepidium.**

- P. 312, 1. **Lepidium Plinianum**, Dod. Cited Hort. Cliff. 331. **L. latifolium** L.
2. **L. maximum** Chalepense . . . nobis. Undetermined.
3. **L. glastifolium** perenne, nobis. Cited Sp. Pl. 648. **Cochlearia glastifolia** L.

CAPUT XXIV. **Draba Siliculosa.**

- P. 313, 1. **Draba umbellata** . . . C. B. P. Cited Sp. Pl. ed. ii. 904. **Cochlearia Draba** L. = **Lepidium Draba** L.
- 314, 2. **D. Chalepensis repens humilior** . . . nobis. Cited Sp. Pl. ed. ii. 898. **Lepidium chalepense** L., and DC. Syst. ii. 530. **L. chalepense** L. var. **glabratum** DC.

CAPUT XXV. **Myagrurn.**

- P. 314, 1. *Myagrurn majus seu sativum*, nobis. Cited DC. Syst. iii. 515. **Camelina sativa** Crantz.
 315, 2. *M. minoribus capitulis seu silvestre*, nobis. **Camelina** sp.

CAPUT XXVI. **Veronica.**

- P. 317, 1. *Veronica spicata major recta caerulea*, nobis. Cited Hort. Cliff. 7. *V. maritima* L., now merged into *V. longifolia* L.
 2. *V. major latifolia erecta*, nobis. Cited Hort. Cliff. 8. *V. spicata* L. var. β .
 The *Historia* cites *V. spicata latifolia* C. B. P., which is referred in Sp. Pl. 13 to *V. longifolia* L. However, the specimen is probably a garden hybrid allied to *V. spuria* L.
 318, 3. *V. angustifolia recta minor vulgaris*, nobis. Under **V. spicata** L.
 4. *V. angustifolia recta minima*, nobis. **V. spicata** L.
 7. *V. supina vulgaris foliis serratis*, nobis. Cited Hort. Cliff. 8. **V. officinalis** L.
 319, 8. *V. pratensis Serpilli folio*, C. B. P. Cited Hort. Cliff. 9. **V. serpyllifolia** L.
 10. *V. major frutescens altera*, nobis. Cited Hort. Cliff. 8. **V. latifolia** L.
 320, 12. *V. minor foliis inis rotundioribus*, nobis. Also a specimen with variegated leaves, *foliis ex albo, rubro et viridi elegantè variegatis*. Cited Hort. Cliff. 7. **V. Chamaedrys** L.
 321, 15. *V. rotundifolia . . . Hederae folio*, nobis. **V. montana** L.
 322, 19. *V. terrestris annua folio Polygoni* nobis. Cited Sp. Pl. 14. **V. peregrina** L.
 20. *V. Hederulae folio*, nobis. Cited Hort. Cliff. 9. **V. hederifolia** L.
 21. *V. flosculis cauliculis adhaerentibus*, nobis. Cited Hort. Cliff. 9. **V. arvensis** L.
 22. *V. flosculis pediculis insidentibus Chamaedryos folio*, nobis. Cited Hort. Cliff. 9. **V. agrestis** L.
 323, 23. *V. caerulea triphyllos . . .* nobis. Cited Hort. Cliff. 9. **V. triphyllos** L.
 24. *V. aquatica major folio subrotundo*, nobis. **V. Beccabunga** L.
 26. *V. aquatica folio subrotundo non crenato*, nobis. No specimen. Cited Hort. Cliff. 51. **Samolus Valerandi** L.
 27. *V. aquatica angustifolia . . .* nobis. **V. scutellata** L.

- 324, 28. *Planta heteroclita rotundifolia minus crenata Becabungae foliis pentapetala capsula Alsines quinquifida, nobis.* Discovered by Bobart near Cowley. Cited Sp. Pl. 172. *Samolus Valerandi* L.

CAPUT XXVII. **Polygala Tetrapetala.**

- P. 326, 1. *Polygala tetrapetala siliculosa bicapsularis major, nobis.* Cited Hort. Cliff. 352. *Polygala vulgaris* L.
2. P. . . . minor, nobis. P. vulgaris L.

CAPUT XXVIII. **Appendix ad Sectionem Tertiam.**

- 327, 1. *Rhaphanistrum monospermum . . . , nobis.* Cited DC. Syst. ii. 421. *Euclidium syriacum* Br. = *Soria syriaca* Desv.
328, 2. *Thlaspi Rosa de Hiericho dictum, nobis.* Cited Sp. Pl. 642 [wrong reference] and DC. Syst. ii. 424. *Anastatica hierochuntica* L.

SECTIO IV. DE HEXAPETALIS TRICAPSULARIBUS.

Distributio Prima : Radicibus tuberosis fusiformibus, nodosis fibrosisque.

CAPUT I. **Asphodelus.**

- 330, 1. *Asphodelus albus ramosus, nobis.* Cited Hort. Cliff. 127, 2. *Asphodelus ramosus* L.
331, 5. A. . . . minor ramosus flore albo, nobis. A. fistulosus L.
6. A. . . . non ramosus luteus et flore et radice, nobis. Cited Hort. Cliff. 127. A. luteus L. = *Asphodeline lutea* Reichb.
332, 7. A. minimus luteus palustris Acori folio, Ad. Lob. *Narthe-cium ossifragum* Huds.
8. *Pseudo-asphodelus pumilio Iridis foliis, Clus. Pan. Pseudo-asphodelus Alpinus, Bauh.*

The specimen is *Tofieldia calyculata* Wahlb., and this accords with Bauhin's synonym; but the locality given by Morison in the *Historia* and Lobel's synonym quoted by him (*Pseudo-asphodelus Lancastriensis*) refer to *Narthe-cium ossifragum*; he does not seem to have quite clearly distinguished the two species.

CAPUT II. **Phalangium.**

- 333, 1. *Phalangium Allobrogicum . . . nobis.* Cited Hort. Cliff. 128. *Anthericum Liliastrum* L. = *Paradisea Liliastrum* Bert.

2. P. parvo flore ramosum, C. B. P. **Anthericum ramosum** L.
3. P. parvo flore non ramosum, C. B. P. Cited Sp. Pl. 310. **Anthericum Liliago** L.

Distributio Secunda: Radicibus tuberosis rotundis.

CAPUT III. **Crocus.**

- P. 335, 1. **Crocus Autumnalis** sativus . . . nobis. **Crocus sativus** L., and other species.
- 336, 3. **C. vernus latifolius** flore purpureo magno, C. B. P. **Crocus aureus** Sibth. & Sm. = **C. moesiacus** Ker-Gawl., teste J. G. Baker.
4. **C. . . . purpureus variegatus**, C. B. P. **C. vernus** All., teste J. G. Baker.
5. **C. . . . albus variegatus**, C. B. P. **C. vernus** All., teste J. G. Baker.
7. **C. . . . flavo vario flore vel Croci verni** 7^{mi} alia species, Clus. Hist. *C. vernus latifol. flo. caeruleo lineis violaceis variegato* C. B. 66.
The specimens are chiefly **C. praecox** Haw. = **C. biflorus** Mill.

CAPUT IV. **Colchicum.**

- P. 340, 1. **Colchicum commune**, C. B. P. Cited Hort. Cliff. 140. **Colchicum autumnale** L.
- 341, 4. **C. Chioense** floribus Fritillariae instar tessulatis . . . nobis. Cited Sp. Pl. 342 and Bot. Mag. t. 1028. **C. variegatum** L.
- 342, 12. **Colchiconarcissus autumnalis luteus major**, nobis. **Sternbergia lutea** Ker-Gawl.

CAPUT V. **Gladiolus.**

- P. 343, 2. **Gladiolus major Bizantinus**, C. B. P. **Gladiolus byzantinus** Miller.
4. **G. major** floribus uno versu dispositis, C. B. P. Cited Bot. Mag. t. 719. **G. segetum** Ker-Gawl.
7. **G. Indicus** e violaceo fuscus radice tuberosa, nobis. No specimen. Cited Sp. Pl. ed. ii. 1354 for **Ferraria undulata** L.
- 7 [bis]. **G. stagnalis** aut lacustris Dortmanni, Clus. **Lobelia Dortmanni** L.

CAPUT VI. **Dens Caninus.**

- P. 344, 1. **Dens canis** . . . flore purpurascente, nobis. Cited Hort. Cliff. 119. **Erythronium Dens-Canis** L.

CAPUT VII. **Sisyrinchium.**CAPUT VIII. **Xyris Iris tuberosa.**

- P. 348, 1. *Iris tuberosa* folio anguloso . . . nobis. No specimen. Cited Sp. Pl. 40 for *Iris tuberosa* L. = *Hermodactylus tuberosus* Mill.
- 349, 2. *Xyris* vel *Iris agria foetida*, nobis. Cited Hort. Cliff. 18. *Iris foetidissima* L.
- 351, 5. *I. alba* Florentina, C. B. P. No specimen. Cited Bot. Mag. t. 671 for *I. florentina* L.
6. *I. Susiana* flore maximo ex albo nigricante, C. B. P. No specimen. Cited Sp. Pl. 38 for *I. susiana* L.
- 352, 7. *I. major* Asiatica caerulea sive 2 Clus. Hist. Cited Bot. Mag. t. 685. *I. pallida* Lam.
8. *I. Dalmatica* flore purpureo dilutiore, J. B.
The specimen is labelled *Dalmatica maj.*, and is *I. pallida* Lam., teste M. Foster.
- 352, 9. *I. latifolia* Pannonica colore multiplici, C. B. P. *I. variegata* L., teste M. Foster.
- 353, 11. *I. palustris lutea* . . . J. B. Chabr. No specimen. Cited Hort. Cliff. 19. *I. Pseud-acorus* L.
- 354, 13. *I. tuberosa pratensis angustifolia* . . . C. B. P. *I. sibirica* L., teste M. Foster.
15. *Chamaeiris latifolia minor* flore purpureo, C. B. P. No specimen. Cited Hort. Cliff. 191. *Iris pumila* L.
- 355, 16. *Chamaeiris angustifolia*, Tab. The specimen is labelled *Iris angustifolia Prunum redolens minor* C. B. P. 33. *I. graminea* L., teste M. Foster.

Distributio Tertia : Radicibus bulbosis proprie dictis.

CAPUT IX. **Iris Bulbosa.**

- P. 357, 2. *I. . . . praecox* minus odora Persica variegata, nobis. Cited Bot. Mag. t. 1. *Iris persica* L.
- 358, 5. *I. . . . lutea inodora major*, C. B. P. No specimen. Cited Bot. Mag. t. 679 for *I. lusitanica* Ker-Gawl.

CAPUT X. **Narcissus.**

- P. 362, 4. *Narcissus* de Argier polyanthos totus luteus, Eyst. N. *Tazetta* L. forma, probably N. *italica* Sims, teste J. G. Baker.

6. *N. major juncifolius*, Eyst. It is doubtful if the specimen is in its right place here; one sheet is without Bobart's label. Mr. Baker determines it as *N. incomparabilis* Miller, but I do not recognize it.
7. *N. juncifolius luteus minor*, C. B. P. *N. Jonquilla* L., teste J. G. Baker.
12. *N. luteus repens*, C. B. P. *N. Pseudo-narcissus* L., teste J. G. Baker.
- 363, 15. *N. montanus juncifolius calice aureo*, C. B. P. Cited Hort. Cliff. 134. *Narcissus Bulbocodium* L.
18. *N. totus niveus multiplex*, C. B. P. *N. poeticus* L., *flore pleno*.
21. *N. luteus silvestris duplici et triplici tubo aureo*, C. B. P. *N. major* Curtis, teste J. G. Baker.
22. *N. juncifolius luteus flore pleno*, Eyst. *N. Jonquilla* L. *flore pleno*, teste J. G. Baker.
- 364, 23. *Leucoium bulbosum minus praecox . . . nobis*. Cited Hort. Cliff. 134. *Galanthus nivalis* L.
Also a specimen *flore pleno*.
25. *L. . . praecox majus . . . nobis*. Cited Hort. Cliff. 134. *Leucojum vernalis* L.
26. *L. . . serotinum majus . . . nobis*. *L. aestivum* L.
- 365, 28. *Lilionarcissus albus maritimus minor, nobis*. Cited Sp. Pl. 291. *Pancratium maritimum* L.
- 366, 30. *L. Indicus pumilus monanthos albus . . . nobis*. Cited Sp. Pl. 292 [wrong ref.] and Bot. Mag. t. 239. *Amaryllis Atamasca* L. = *Zephyranthes Atamasco* Herb.
31. *L. Jacobaeae latifolius Indicus . . . nobis*. Cited Hort. Cliff. 135. *Amaryllis formosissima* L. = *Sprekelia formosissima* Herb.
- 367, 33. *L. Japonicus rutilo flore, nobis*. Cited Hort. Cliff. 135. *Amaryllis sarniensis* L. = *Nerine sarniensis* Herb.
- 368, 35. *L. Indicus maximus . . . nobis*. No specimen. Cited Sp. Pl. 294 for *Amaryllis orientalis* L. = *Brunsvigia gigantea* Heist. = *B. orientalis* Ait.

CAPUT XI. **Hyacinthus.**

- 371, 1. *Hyacinthus major comosus purpureus*, C. B. P. *Muscari comosum* Mill.
2. *H. comosus panicula caerulea*, C. B. P. Cited Hort. Cliff. 126. *Hyacinthus monstrosus* L. = *M. comosum* Mill. var. *monstrosum* (Mill.).
- 372, 3. *H. racemosus major . . . arbuteo flore caeruleo, nobis*. *M. botryoides* Mill.
Another sheet, labelled *H. racemosus caeruleus major* C. B. P., is *M. racemosum* Mill.

- 6 and 7. *H. racemosus* . . . obsoleto albo flore, nobis. Cited Hort. Cliff. 126. *Hyacinthus Muscari* L. = *M. moschatum* Willd.
- 373, 8. *H. major caeruleo oblongo pendulo flore*, C. B. P. Cited Hort. Cliff. 125. *Hyacinthus non-scriptus* L. = *Scilla non-scripta* Link & Hoffmg.
- 10, 11, 12, 13. *H. Orientalis*, Dod. Matth. Lug. Clus. Hist. Cited Hort. Cliff. 125. ***Hyacinthus orientalis* L.**
- 374, 15. *H. stellaris Germanicus praecox bifolius* . . . nobis et C. B. P. No specimen. Cited Hort. Cliff. 123. ***Scilla bifolia* L.**
16. *H. stellaris spicatus* . . . nobis. Cited Hort. Cliff. 123 and Bot. Mag. 663. ***S. italica* L.**
17. *H. stellaris caulibus pluribus* . . . nobis. No specimen. Cited Hort. Cliff. 123, and Bot. Mag. t. 341 for *S. amoena* L.
18. *H. stellaris autumnalis major*, C. B. P. ***Soilla autumnalis* L.**
- 375, 19. *H. stellatus Peruvianus* . . . nobis. ***S. peruviana* L.**
21. *H. stellaris foliis et radice Lili*, C. B. P. No specimen. Cited Hort. Cliff. 123. ***S. Lilio-Hyacinthus* L.**
- 376, 22. *H. Indicus tuberosa radice*, Clus. Hist. Cited Hort. Cliff. 126. ***Polianthes tuberosa* L.**

CAPUT XII. **Ornithogalum.**

- P. 378, 1. *Ornithogalum umbellatum maximum Arabicum* . . . nobis ***O. arabicum* L.**
3. *O. umbellatum minus candidum vulgare*, nobis. Cited Hort. Cliff. 124. ***O. umbellatum* L.**
4. *O. spicatum maximum floribus albis* . . . nobis. ***O. latifolium* L.**
- 379, 5. *O. spicatum majus angustifolium* . . . nobis. ***O. latifolium* L.**, teste J. G. Baker; but the statement in the *Historia*, 'provenit sponte primo a capite Blaesensium lapide in sylva caedua dicta le Coste de Chaile,' rather suggests *O. narbonense* L.
7. *O. spicatum majus Pannonicum* . . . nobis. ***O. narbonense* L.**, teste J. G. Baker.
8. *O. exoticum seu Neopolitanum* . . . nobis. Cited Hort. Cliff. 124. ***O. nutans* L.**
- 380, 10. *O. Indicum latifolium floriferum sphaericum* . . . nobis. ***Allium nigrum* L.**, teste J. G. Baker.
- 381, 13. *O. luteum angustifolium minimum bulbiferum*, nobis. ***Gagea lutea* Ker-Gawl.**, teste J. G. Baker.

CAPUT XIII. **Cepa.**

- P. 383, 1. *Cepa vulgaris*, C. B. P. Cited Hort. Cliff. 136. **Allium Cepa** L.
 2. *C. oblonga*, Dod. No specimen. Cited Hort. Cliff. 136. **A. fistulosum** L.
 3. *C. Ascalonica*, Matth. No specimen. Cited Sp. Pl. ed. ii. 429 for **A. Ascalonicum** L.
 4. *C. sectilis juncifolia perennis*, nobis. Cited Hort. Cliff. 136 and Bot. Mag. t. 114. **A. Schoenoprasum** L.

CAPUT XIV. **Allium.**

- P. 386, 3. *Allium montanum bicorne flore obsoleteiore*, C. B. P. **A. oleraceum** L.
 4. *A. montanum capite rotundo*, C. B. P. **A. vineale** L. var. **capsuliferum**.
 5. *A. montanum bicorne angustifolium flore purpureo*, C. B. P. **A. oleraceum** L.
 8. *A. juncifolium bicorne luteum*, C. B. P. Possibly **A. flavum** L.
 387, 10. *A. sativum alterum sive Allioprasum* . . . C. B. P. Cited Hort. Cliff. 136. **A. Scorodoprasum** L. The specimen is **A. sativum** L., *testibus* White and Bucknall.
 12. *A. majus foliis porraceis* . . . nobis.
 The specimen is labelled *Allium Holmense sphaericeo capite Ravi Syn.* 229, = **A. Ampeloprasum** L. (*A. holmense* Mill.).
 388, 13. *A. montanum Narcissinis foliis majus*, C. B. P. **A. acutangulum** Schrad., *testibus* White and Bucknall (*A. angulosum* L., I. K.).
 15. *A. latifolium palustre*, nobis. **A. ursinum** L.
 16. *A. latifolium montanum maculatum*, C. B. P. **A. Victorialis** L.

CAPUT XV. **Porrum.**

- P. 390, 1. *Porrum commune capitatum*, C. B. P. Cited Hort. Cliff. 136. **Allium Porrum** L.
 2. *P. sativum latifolium*, C. B. P. **A. Ampeloprasum** L., *testibus* White and Bucknall.
 391, 4. *P. silvestre gemino capite*, C. B. P. **A. Scorodoprasum** L.

CAPUT XVI. **Moly.**

- P. 393, 4. *Moly latifolium luteum* . . . C. B. P. Cited Hort. Cliff. 137. A bad specimen of **Allium Moly** L.

- 393, 7. *M. angustifolium umbellatum album*, nobis. Cited Bot. Mag. sub t. 1141. *A. subhirsutum* L.

White and Bucknall refer the specimen on one sheet to *A. roseum* L.; the leaves are quite glabrous.

- 394, 11. *M. album angustifolium foliis reflexis*, nobis. *A. roseum* L., *testibus* White and Bucknall.

CAPUT XVII. *Scilla*.

- P. 395, 1. *Scilla vulgaris radice rubra*, C. B. P. Leaves only. Cited Hort. Cliff. 123. *Scilla maritima* L. = *Urginea Scilla* Steinh. = *U. maritima* Baker.

CAPUT XVIII. *Tulipa*.

No specimens.

Distributio Quarta: Radicibus squama duplici admodum densa.

CAPUT XIX. *Fritillaria*.

- P. 402, 1. *Fritillaria praecox purpurea variegata*, C. B. P. Cited Hort. Cliff. 119. *Fritillaria Meleagris* L.

2. *F. alba praecox*, C. B. P. *F. Meleagris* L. var. *alba*.

- 403, 6. *F. polyanthos flavo-viridis*, C. B. P. *F. pyrenaica* L.

7. *F. serotina floribus ex flavo virentibus*, C. B. P. *F. pyrenaica* L.

CAPUT XX. *Lilium*.

- P. 406, 1. *Lilium persicum*, Dod. Cited Hort. Cliff. 119. *Fritillaria persica* L.

2. *L. sive Corona imperialis*, C. B. P. Cited Hort. Cliff. 120. *F. Imperialis* L.

- 408, 6. *L. Martagon* . . . nobis. Cited Hort. Cliff. 120. *Lilium Martagon* L.

9. *L. Martagon Canadense maculatum*, Park. Cited Sp. Pl. 303. *L. canadense* L.

10. *L. angustifolium purpuro-sanguineum* . . . nobis. Cited Hort. Cliff. 120, *L. pomponium* L. The specimen is *L. Byzantinum miniatum* C. B. P. 78. *L. chalcedonicum* L., *teste* J. G. Baker.

- 409, 12. *L. Martagon flavum angustifolium*, C. B. P. Cited Hort. Cliff. 120. *L. pomponium* L.

13. *L. album vulgare et odoratum* . . . nobis. Cited Hort. Cliff. 120. *L. candidum* L.

- 410, 15. *L. Canadense imperfectis floribus* . . . nobis. A monstrous form of *L. canadense* L.

16. *L. indicum puniceum* . . . nobis. No specimen. Cited Hort. Cliff. 127, and Bot. Mag. t. 1075 for *Haemanthus coccineus* L.
- 411, 18. *L. purpurocroceum minus*, C. B. P. **L. bulbiferum** L.
20. *L. bulbiferum minus*, nobis, in Tab. praecedente. **L. bulbiferum** L. *testibus* White and Bucknall.

CAPUT XXI. Liliium Asphodeli radice sive Liliasphodelus.

- P. 412, 1. *L. luteum radice Asphodeli*, C. B. P. Cited Hort. Cliff. 128. **Hemerocallis flava** L.
3. *L. rubrum Asphodeli radice*, C. B. P. **H. flava** L. *teste* J. G. Baker.

CAPUT XXII. Aloe.

- P. 414, 1. *Aloe vulgaris*, C. B. P. Leaves only. Cited Hort. Cliff. 130. **Aloe perfoliata** L. var. **vera** (L.).
- 415, 2. *A. folio in oblongum aculeum abeunte*, C. B. P. Cited Hort. Cliff. 130. **Agave americana** L.

CAPUT XXIII. Yuca.

- P. 419, 1. *Yuca foliis Aloes*, C. B. P. Cited Hort. Cliff. 130. **Yuca gloriosa** L.
2. *Y. foliis filamentosis*, nobis. Cited Sp. Pl. 319. **Y. filamentosa** L.

CAPUT XXIV. Appendix ad Sectionem Quartam.

- P. 421, 1. *Gladiolus Aethiopicus flore coccineo*, Cornut. No specimen. Cited Sp. Pl. 37 for *Antholyza Cunonia* L. = **A. aethiopica** L. Sp. Pl. ed. ii, p. 54; and Bot. Mag. tab. 561.
2. *Sisyrinchium Indicum*, Vespas. Robin. Cited Sp. Pl. ed. ii. 420. **Amaryllis capensis** L. = *Hypoxis stellata* L. f. = **H. capensis** (L.).
- 423, 11. *Ornithogalum luteo-virens*, Jacob. Cornut. No specimen. Cited Bot. Mag. t. 804 for **Albuca major** L.

SECTIONIS QUARTAE MEMBRUM SECUNDUM.

CAPUT XXV. Anemone.

- P. 424, 1. *Anemone trifolia*, Dod. Ger. No specimen. Cited Hort. Cliff. 224, and DC. Syst. i. 205 for **Anemone trifolia** L.
- 425, 2. *A. silvestris major alba*, C. B. P. Cited DC. l. c. 207. **A. sylvestris** L.
3. *A. Cyclamini seu Malvae folio lutea*, C. B. P. No specimen. Cited Sp. Pl. 538 for **A. palmata** L.

4. *A. Geranii folio rotundo purpurascens*, C. B. P. No specimen. Cited Hort. Cliff. 223, *A. hortensis* L.; and DC. Syst. i. 198 for *A. stellata* Lam.
5. *A. latifolia simplici carneo flore*, C. B. P. *A. stellata* Lam.
6. *A. Oenanthes folio* . . . C. B. P. No specimen. Cited DC. Syst. i. 197 for f. 6 and Bot. Mag. t. 841 for *A. coronaria* L.
- 426, 7. *A. caerulea Geranii Robertiani folio* . . . C. B. P. No specimen. Cited DC. l. c. 202 for *A. apennina* L.
8. *A. hortensis pleno flore versicolor*, C. B. P. Cited DC. l. c. 198, for *A. pavonina* Lam.
9. *A. latifolia flore pleno coccineo*, C. B. P. No specimen. Cited DC. l. c. 198 for *A. pavonina* Lam.
10. *A. tennifolia flore coccineo pleno*, Eyst. No specimen. Cited Hort. Cliff. 223 as forms of *A. coronaria* L.

CAPUT XXVI. Pulsatilla.

- 428, 1. *Pulsatilla folio crassiore* . . . nobis. Cited Hort. Cliff. 233. *Anemone Pulsatilla* L.
2. *P. flore minore* . . . quasi nigricante . . . nobis. No specimen. Cited Hort. Cliff. 223, and DC. l. c. 192 for *A. pratensis* L.
3. *P. flore albo*, C. B. P. No specimen. Cited DC. l. c. 194 for *A. alpina* L. *sens. ampl.*

CAPUT XXVII. Caryophyllata.

- P. 430, 1.** *Caryophyllata vulgaris*, C. B. P. *Geum urbanum* L.
 3. *C. Alpina lutea major*, nobis. *Geum intermedium* Ehrh.
- 431, 7. *C. aquatica nutante flore* . . . nobis. *G. rivale* L.
- 432, 9. *C. Alpina Chamaedryos folio*, nobis. (Two sheets.) *Dryas octopetala* L.

CAPUT XXIX. Trifolium Hepaticum seu Hepatica Trifolia.

- P. 433, 1.** *Trifolium hepaticum flore simplice*, C. B. P. No specimen. Cited Hort. Cliff. 233, and DC. Syst. i. 216 for *Hepatica triloba* DC. = *Anemone Hepatica* L.

CAPUT XXX. Ranunculus.

- P. 436, 9.** *Ranunculus Asphodeli radice flore sanguineo*, C. B. P. The preceding eight numbers are referred in Hort. Cliff. 210 and DC. l. c. 261 to *Ranunculus asiaticus* L. The only specimen is of this species.
- 437, 10. *R. nemorosus flore majore*, nobis. No specimen. Cited Hort. Cliff. 224. *Anemone nemorosa* L.

11. *R. Phragmites nemorosus luteus flore pleno*, J. B. Chabr. Cited Hort. Cliff. 224 and DC. Syst. i. 206. *A. ranunculoides* L.; the specimen is the normal single-flowered plant.
12. *R. nemorosus Thalictri folio*, C. B. P. Cited Sp. Pl. 557. *Isopyrum thalictroides* L.
- 438, 13. *R. Thalictri folio Asphodeli radice*, Park. No specimen. Cited Sp. Pl. 545 for *Thalictrum tuberosum* L.
14. *R. nemorosus Moschatellina dictus*, C. B. P. Cited Hort. Cliff. 153. *Adoxa Moschatellina* L.
15. *R. nemorosus seu silvaticus folio subrotundo*, C. B. P. Cited Hort. Cliff. 229. *Ranunculus auricomus* L.
- 439, 16. *R. pratensis erectus acris*, C. B. P. Cited Hort. Cliff. 230, and DC. l. c. 277. *R. acris* L., probably var. *rectus* Bor., *testibus* Bucknall and White.
Also a sheet *flore pleno*. Another sheet is var. *Boraeanus* (Jord.).
17. *R. pratensis erectus dulcis*, C. B. P. No specimen. Cited DC. l. c. 296 for *R. philonotis* Ehrh. = *R. sardous* Crantz.
18. *R. pratensis repens* . . . C. B. P. No specimen. Cited Hort. Cliff. 230, and DC. l. c. 285 for *R. repens* L.
19. *R. pratensis radice* . . . rotundâ, C. B. P. No specimen. Cited Hort. Cliff. 230, DC. l. c. 295 for *R. bulbosus* L.
20. *R. arvensis parvus folio trifido*, C. B. P. Leaves only. Cited DC. l. c. 297. *R. sardous* Cr. var. *parvulus* (L.).
- 440, 21. *R. arvensis annuus hirsutus* . . . nobis. Cited Sp. Pl. 555. *R. muricatus* var. δ L. = *R. parviflorus* L., Syst. Veg. ed. x. 1087.
22. *R. ceratophyllus seminibus falcatis* . . . nobis. Cited Sp. Pl. 556. *R. falcatus* L.
23. *R. echinatus arvensis*, C. B. P. Cited Hort. Cliff. 239. *R. arvensis* L.
24. *R. echinatus stellatus Creticus*, C. B. P. Cited DC. Syst. 298, *R. muricatus* L. var. *creticus* DC. The specimen is *R. muricatus* L.
25. *R. echinatus palustris*, C. B. P. No specimen. Cited Hort. Cliff. 225. *R. muricatus* L.
- 441, 27. *R. palustris Apii folio laevis*, C. B. P. No specimen. Cited Hort. Cliff. 230, and DC. l. c. 268 for *R. sceleratus* L.
28. *R. palustris Apii foliis lanuginosus*, C. B. P. Cited DC. Syst. i. 296. *R. philonotis* Ehrh. = *R. hirsutus* Curtis, = *R. sardous* Crantz.
Nos. 27 and 28 are illustrated by the same figure in Morison's plate 29.
29. *R. aquaticus hederaceus*, nobis. Cited Sp. Pl. 556. *R. hederaceus* L.

- 442, 30. *R. aquaticus* Cotyledonis folio, C. B. P. Cited Hort. Cliff. 88. ***Hydrocotyle vulgaris* L.**
31. *R. aquaticus* folio rotundo et capillaceo, C. B. P. Cited DC. Syst. i. 235 for *R. peltatus* Schrank; but the specimen is ***R. heterophyllus* Weber.**
32. *R. aquaticus* capillaceus, C. B. P. A mud form of ***R. trichophyllus* Chaix.**
- The following three specimens are not mentioned in the *Historia* :
- R. aquaticus* albus circinatis tenuissime divisis foliis, floribus ex longis pediculis innixis, D. Pluk. ? v. Ray Syn. p. 136. 5. ***Ranunculus peltatus*, Schrank.**
- R. aquatilis* albus fluitans Peucedani folio H. L. Bat. One specimen is ***R. peltatus* Schrank var. penicillatus**, the other may be ***R. fluitans* Lam.**, but the material is scrappy and flowerless.
- Millefolium aquaticum* foliis Abrotoni, *Ranunculi* flore et capitulo C. B. P. 141 = *Ranunculus aquatilis* omnino tenuifolius J. B. 3. 781. ***R. circinatus*, Sibth.** One of the earliest British specimens extant.
33. *R. palustris* longifolius major, C. B. P. Cited Hort. Cliff. 228 and DC. Syst. i. 246. ***R. Lingua* L.**
- 443, 34. *R. palustris* longifolius minor, C. B. P. Cited Hort. Cliff. 228 and DC. l. c. 247. ***R. Flammula* L.**
- 444, 36. *R. montanus* folio Plantaginis, C. B. P. Cited Sp. Pl. 549 and DC. l. c. 244. ***R. amplexicaulis* L.**
37. *R. Pyrenaeus* albus simplex, Park. No specimen. Cited DC. l. c. 244 for ***R. amplexicaulis* L.**
38. *R. montanus* gramineo folio, C. B. P. Cited Hort. Cliff. 228. ***R. gramineus* L.**
- 445, —. *R. gramineus* montanus flore pleno, Dod. ***R. gramineus* L. flore pleno.**
40. *R. gramineus* hirsutus monanthos, nobis. No specimen. Cited DC. l. c. 243 for ***R. pyrenaeus* L.**
41. *R. gramineus* alter polyanthos, nobis. No specimen. Cited ibid. ***R. pyrenaeus* L. var. plantagineus DC.**
43. *R. lanuginosus* Apii folio radice Asphodeli, C. B. P. No specimen. Cited DC. l. c. 260 for ***R. monspeliacus* L. var. cuneatus DC.**
- 446, 44. *R. leptophyllos* Asphodeli radice, C. B. P. Cited DC. Syst. 255. ***R. chaerophyllos* L.**
45. *R. praecox* rotundifolius granulata radice, nobis. Cited Hort. Cliff. 229 and DC. l. c. 305. ***R. Ficaria* L.** Specimens are *flore pleno*.
46. *R. lanuginosus* grumosa radice minor, C. B. P. Cited Hort. Cliff. 230 and DC. l. c. 259. ***R. illyricus* L.**

47. *R. lanuginosus grumosa radice major*, C. B. P. *At ye Ld. Chesterfields at Bretby or Bradby in Derbyshire June 19/88.* Cited DC. l. c. 260. *R. monspeliacus* L. var. *rotundifolius* DC. Bucknall and White confirm this determination.
48. *R. Creticus latifolius*, Park. Cited DC. Syst. 263. *R. creticus* L.
- 447, 49. *R. latifolius bullatus* . . . C. B. P. No specimen. Cited Sp. Pl. 550 for *R. bullatus* L. var. β = var. *grandiflorus* DC. l. c. 254.
50. *R. latifolius bullatus* . . . flore pleno . . . nobis. Leaf only. *R. bullatus* L.
51. *R. latifolius autumnalis parvo flore*, nobis. No specimen. Cited DC. Syst. i. 254 for *R. bullatus* var. *parviflorus* DC.
- 448, 53. *R. montanus hirsutus humilior flore Narcissi*, C. B. P. No specimen. Cited DC. l. c. 212 for *Anemone narcissiflora* L.
54. *R. Rutaceo folio flore suave rubente*, C. B. P. Cited Sp. Pl. 553 for *Ranunculus rutaefolius* L. ; but the specimen, which is very imperfect, is *R. millefolius* Russ., *teste* Dr. Stapf.
55. *R. montanus purpureus* . . . Felicis Plateri, J. B. Chabr. No specimen. Cited DC. l. c. 238 for *R. glacialis* L.
- 57 and 58. *R. Alpinus humilis* . . . C. B. P. No specimen. Cited DC. 239 for *R. alpestris* L.
- 449, 59. *R. Asphodeli radice dictus Pthora major*, nobis. Leaves only. Cited DC. l. c. 264. *R. Thora* L.
60. *R. Asphodeli radice dictus Pthora minor*, nobis. *R. Thora* L.

SECTIO V. DE HERBIS EX NUMERO CAPSULARUM & PETALORUM DENOMINATIONEM SUMENTIBUS.

CAPUT I. De *Tricapsularibus Lactescentibus*.

(*Campanula*, *Rapunculus*, *Cervicaria*.)

- P. 452, 1. *Campanula major lactescens*, Lob. Cited Hort. Cliff. 65. *Campanula pyramidalis* L.
2. *C. Persicaefolia*, Lob. No specimen. Cited Hort. Cliff. 65. *C. persicifolia* L.
- 453, 5. *C. Alpina glabra* . . . J. B. Chabr. *C. rapunculoides* L. *testibus* Bucknall and White.
7. *C. Pyramidalis minor*, Prosp. Alpin. de Exot. *C. rhomboidalis* L. var. *lanceolata* A. DC., *testibus* Bucknall and White.
- 454, 8. *C. seu Petromarula Cretica*, nobis. *Phyteuma pinnatum* L.
- 455, 13. *Rapunculus esculentus*, C. B. P. Cited Hort. Cliff. 65. *Campanula Rapunculus* L.

- 455, 15 R. folio serrato rotundiore flore Convolvuli, nobis. **C. rhomboidalis** L.
- 456, 16 R. Alpinus minor rotundifolius, nobis. **C. pusilla** Haenke.
17. *Campanula vulgaris* minor foliis imis rotundioribus . . . nobis. Cited Hort. Cliff. 65. **Campanula rotundifolia** L.
18. *C. Cymbalariae* aut *Hederæ* folio, C. B. P. Cited Sp. Pl. 169. *C. hederacea* L. = *Wahlenbergia hederacea* Schrad. = **Cervicina hederacea** Druce.
21. *C. arvensis minima*, Dod. *C. Speculum-Veneris* L. = **Legousia Speculum-Veneris** Fisch.
22. *C. arvensis minima erecta*, nobis. Cited Sp. Pl. 168. *C. hybrida* L. = *Specularia hybrida* A. DC. = **L. hybrida** Del.
23. *C. pentagonia perfoliata*, nobis. Cited Sp. Pl. 169. *C. perfoliata* L. = **L. perfoliata** (L.) Britton.
- 458, 25. *C. minor annua foliis incisus*, nobis. Cited Hort. Cliff. 65. **Campanula Erinus** L.
- 459, 26. *C. hirsuta Ocimi* folio . . . Boccon. No specimen. Cited Sp. Pl. ed. ii. 237 for **C. dichotoma** L.
27. *C. maxima foliis latissimis*, C. B. P. Also a sheet *flore cinereo*. Cited Hort. Cliff. 64. **C. latifolia** L.
28. *C. major vulgatiore asperior foliis Urticæ*, C. B. P. Also a sheet *flo. albo*. Cited Hort. Cliff. 64. **C. Trachelium** L.
30. *C. hortensis folio et flore oblongo*, C. B. P. Cited Hort. Cliff. 64. **C. Medium** L.
- 460, 31. *C. peregrina maxima laciniatis foliis*, C. B. P. No specimen. Cited Sp. Pl. ed. ii. 237 for **C. laciniata** L.
32. *C. hortensis Rapunculi radice repente*, nobis. Cited Sp. Pl. 165. **C. rapunculoides** L.
34. *C. foliis Echii*, C. B. P. **C. spicata** L., *testibus* Bucknall and White; but another specimen appears to me to be **C. thyrsoides** L.
- 461, 38. *C. seu Cervicaria Bononiensis* . . . J. B. Chabr. No specimen. Cited Sp. Pl. 165 for **C. bononiensis** L.
43. *Trachelium pratense flore conglomerato*, nobis. Cited Hort. Cliff. 64. **C. glomerata** L.
- 463, 46. *Rapunculus corniculatus spicatus* . . . nobis. Three sheets: No. 2 *caeruleus*. Cited Sp. Pl. 171. **Phyteuma spicatum** L.
47. *R. corniculatus* . . . orbiculari, C. B. P. Cited Sp. Pl. 170. **P. orbiculare** L.
- 464, 48. *R. ramosus corniculatus Scabiosæ capitulo* . . . nobis. Also *flore albo*. Cited Hort. Cliff. 446. **Jasione montana** L.
49. *R. corniculatus Alpinus petraeus perennis*, nobis. **Phyteuma comosum** L.

- 465, 52. *R. corniculatus* Valerianoides caeruleus, nobis. No specimen. Cited Hort. Cliff. 66. *Trachelium caeruleum* L.
- 466, 54. *Rapuntium galeatum* Virginianum . . . coccineo flore, nobis. Cited Sp. Pl. 930. *Lobelia cardinalis* L.
55. *Rapunculus* . . . Virginianus flore violaceo . . . nobis. *Flo. candido et flore violaceo*. Cited Sp. Pl. 931. *L. syphilitica* L.
- 467, 56. *R.* . . . *Blaesensis* . . . nobis. No specimen. Cited Sp. Pl. 931 for *L. urens* L.

CAPUT II. De *Tricapsularibus Pentapetalis*.

(*Hypericum*, *Ascyrum*, *Coris* & *Androsaemum*.)

- 469, 1. *Hypericum vulgare*, C. B. P. Cited Hort. Cliff. 380. *Hypericum perforatum* L.
3. *H. minus*, Dod. *H. humifusum* L.
4. *H. seu Coris legitima* *Ericae similis*, nobis. Cited Sp. Pl. 787. *H. Coris* L.
- 470, 7. *H. minus glabrum erectum pulchrum*, nobis. Cited Sp. Pl. 787. *H. pulchrum* L.
- 471, 8. *Androsaemum foetidum* . . . C. B. P. Cited Hort. Cliff. 381. *H. hircinum* L.
10. *A. Ascyrum dictum caule quadrangulo glabro*, nobis. Bauhin's name is cited Sp. Pl. 785 for *H. quadrangulum* L., but the specimen is *H. tetrapterum* Fries (I. K.) = *H. acutum* Moench.
11. *A. Ascyrum dictum caule rotundo hirsuto*, nobis. Cited Sp. Pl. 786. *H. hirsutum* L. var. β .
- 472, 12. *A. maximum* . . . *bacciferum* nobis. Cited Hort. Cliff. 380. *H. Androsaemum* L.
13. *A. flore et theca quinquecapsulari omnium maximis*, nobis. Cited Sp. Pl. 783 for *H. Ascyron* L.; but the specimen is *H. calycinum* L.

CAPUT III. De *Pentapetalis Tricapsularibus* (*Viola*).

- P. 474, 1. *Viola Martia purpurea flore simplici odoro*, C. B. P. Cited Hort. Cliff. 427. *Viola odorata* L.
- Also *flo. albo*; and *floribus vix conspicuis, foliorum limbis argenteis*, a form with cleistogamous flowers and variegated leaves. Also *V. martia multiplici flore candido*, C. B. P. 199, a white double-flowered form of *V. odorata* L.
2. *V. Martia inodora silvestris*, C. B. P. Cited Hort. Cliff. 427. *V. canina* L. = *V. Riviniana* Reichb.
- 475, 3. *V. Marococi sive Granadillae foliis*, nobis. The specimen was from York House garden to which seeds were sent from Virginia in 1653. *V. palmata* L.

4. *V. martia major hirsuta inodora*, nobis. Cited Sp. Pl. 934. **V. hirta** L.
Also a specimen labelled *V. caerulea Trachelii folio minore subhirsuto Raii Hist. Part 3, 510*. **V. hirta** L.
5. *V. palustris rotundifolia glabra*, nobis. Cited Sp. Pl. 934. **V. palustris** L.
Also a sheet labelled *V. Martia Alpina folio tene'lo Circinato* D. Lhwyd. *V. Alpina rotundifolia minor H. R. Par.* **V. palustris** L.
6. *V. Alpina rotundifolia lutea*, C. B. P. Cited Hort. Cliff. 427, *V. biflora* L.; but the specimen is the North American **V. pubescens** Aiton.
7. *V. erecta flore caeruleo et albo*, Eyst. Cited Sp. Pl. 936 for *V. montana* L.; but the specimen is **V. elatior** Fries.
- 476, 9. *V. tricolor hortensis repens*, C. B. P. **V. tricolor** L.
10. *V. bicolor arvensis*, C. B. P. No specimen. Cited Hort. Cliff. 427. *V. tricolor* L. = **V. arvensis** Murray.
11. *V. montana lutea grandiflora*, C. B. P. et Cam. **V. lutea** Huds.
- 477, 13. *V. palustris Pinguicula . . . Plinii*, Gesn. *Pinguicula vulgaris* L.
Also a sheet *P. flo. minore carneo Raij. D. Lhwyd.* *P. lusitanica* L.

De Monopetalis Bicapularibus.

CAPUT IV. **Digitalis.**

- P. 478, 1. *Digitalis purpurea folio aspero*, C. B. P. Cited Hort. Cliff. 318. **Digitalis purpurea** L.
2. *D. latifolia flore ferrugineo*, nobis. Cited Sp. Pl. 622. **D. ferruginea** L.
- 479, 3. *D. angustifolia flore ferrugineo*, J. B. Chabr. **D. obscura** L.
4. *D. lutea magno flore*, C. B. P. **D. ambigua** Murray.
5. *D. lutea minore flore*, nobis. Cited Sp. Pl. 622. **D. lutea** L.
6. *D. perfoliata glabra flore violaceo minore . . . nobis*. No specimen. Cited Sp. Pl. 634 and Bot. Mag. t. 288 for **Mimulus ringens** L.
7. *D. minima Gratiola dicta*, nobis. Cited Hort. Cliff. 9. **Gratiola officinalis** L.

CAPUT V. **Scrophularia.**

- 481, 1. *Scrophularia annua folio Urticae*, C. B. P. **Scrophularia peregrina** L.
- 482, 2. *S. annua folio Lamii flore luteo*, nobis. Cited Hort. Cliff. 322. **S. vernalis** L.

3. *S. radice nodosa foetida*, C. B. P. Cited Hort. Cliff. 322.
S. nodosa L.
Also a sheet *S. major, caulibus, foliis et floribus viridibus*.
S. nodosa L. var. *Bobartii* Pryor in Journ. Bot. 1877, 238-9.
4. *S. radice fibrosa, nobis*. Very young specimen, probably
S. alata Gilib.
5. *S. Scorodoniae foliis, nobis*. Cited Sp. Pl. ed. ii. 864.
S. Scorodonia L.
- 483, 6. *S. Sambuci foliis . . . nobis*. No specimen. Cited Sp. Pl. 621 for *S. sambucifolia* L.
7. *S. foliis Filicis modo laciniatis, C. B. P. S. canina* L.,
testibus Bucknall and White.
8. *S. major Ruta canina vulgo dicta, Park*. Cited Hort. Cliff. 322. *S. canina* L.
9. *S. minor Ruta canina dicta, nobis. S. canina* L.

CAPUT VI. **Verbascum.**

- P. 485, 1. *Verbascum foliis incanis mas latifolium . . . nobis*. Cited Hort. Cliff. 55. **Verbascum Thapsus** L.
- 486, 3. *V. foliis incanis et pulverulentis . . . nobis. V. pulverulentum* Vill., *testibus* Bucknall and White.
4. *V. foliis incanis floribus albis . . . nobis*. Cited Hort. Cliff. 54. **V. Lychnitis** L.
5. *V. foliis viridibus perenne floribus luteis . . . staminulis purascentibus, nobis. V. nigrum L.*
6. *V. foliis viridibus Papaveris corniculati . . . nobis. V. sinuatum* L.

CAPUT VII. **Blattaria.**

- 488, 1. *Blattaria perennis flore violaceo, nobis*. Cited Sp. Pl. ed. ii. 254. **V. phoeniceum** L.
2. *B. perennis flore gilvo . . . nobis. V. nigrum* L., *testibus* Bucknall and White. A flower on the sheet of a different species.
3. *B. perennis Cretica . . . nobis. Celsia cretica* L., *testibus* Bucknall and White.
- 489, 5. *B. annua ramosa floribus luteis . . . nobis. Verbascum Blattaria* L.
6. *B. annua flore minore luteo vel albo . . . nobis*. No specimen. Cited Hort. Cliff. 55. **V. Blattaria** L.
7. *B. annua flore majore luteo . . . nobis. V. virgatum* Stokes, *testibus* Bucknall and White.
- 490, 10. *B. rubra spicata major . . . nobis*. Cited Hort. Cliff. 178. **Lythrum Salioaria** L.

11. *B. rubra spicata major lanuginosa*, nobis. Cited Sp. Pl. 446.
L. Salicaria L. var. β = forma **canescens**.
- 491, 14. *B. affinis planta major flore luteo*, nobis. Cited Hort. Cliff. 52. **Lysimaohia vulgaris** L.
 Also a sheet, *flore duplici*.
15. *B. affinis minor flore luteo foliis nigris punctis notatis*, nobis. Cited Sp. Pl. 147. **L. punctata** L.
 There is also a sheet labelled *Lysimachia bifolia flo. globoso luteo* C. B. P. 245. **L. thyrsoiflora** L.
16. *B. affinis planta bifolia laevis . . . nobis*. **L. ephemerum** L., *testibus* Bucknall and White.

CAPUT VIII. **Nicotiana sive Tabacum.**

- 492, 1. *Nicotiana major latifolia*, C. B. P. **Nicotiana Tabacum** L. var. **macrophylla** Dunal. Bucknall and White query it *N. latissima* Miller.
2. *N. major angustifolia*, C. B. P. **N. Tabacum** L.
- 493, 4. *N. minor*, C. B. P. **Nicotiana rustica** L.

CAPUT IX. **Hyoscyamus.**

- P. 494, 1. *Hyoscyamus vulgaris vel niger*, C. B. P. Cited Hort. Cliff. 56. **Hyoscyamus niger** L.
2. *H. albus major . . .* C. B. P. **H. albus** L.
3. *H. albus minor*, C. B. P. **H. albus** L.
4. *H. luteus Creticus major*, C. B. P. **H. aureus** L.
- 495, 5. *H. Creticus luteus minor*, C. B. P. **H. aureus** L.
6. *H. rubello flore*, C. B. P. The description points to *H. reticulatus* L. *sens. ampl.*, but Bucknall and White refer the specimen to **H. niger** L.; it is more glabrous than usual.

CAPUT X. **Linaria.**

- P. 498, 1. *Linaria maxima Dalmatica . . . nobis*. Cited Hort. Cliff. 324. *Antirrhinum dalmaticum* L. = **Linaria dalmatica** Mill.
2. *L. latifolia triphyllos Sicula*, Boccon. **L. triphylla** Mill.
3. *L. triphyllos caerulea*, C. B. P. **L. triphylla** Mill.
- 499, 5. *L. lutea parva annua erecta*, J. B. Chabr. **L. supina** Desf., *testibus* Bucknall and White.
 Another sheet, *L. lutea parva annua J. B.*, Bucknall and White suggest may be **L. sparteae** Hoffm. and Link.
10. *L. vulgaris luteo flore majore*, C. B. P. Cited Hort. Cliff. 324. *Antirrhinum Linaria* L. = **L. vulgaris** Mill.
- 500, 15. *L. Asparagi Corudae . . . nobis*. No specimen. Cited Hort. Cliff. 324. *Antirrhinum multicaule* L. = **L. multicaulis** Mill.

16. *L. purpurea major odorata*, C. B. P. Also a fasciated specimen. *L. purpurea* Mill.
- 501, 18. *L. coerulea procumbens*, nobis. *L. alpina* Mill.
20. *L. Bellidis folio*, C. B. P. et Prod. *Anarrhinum bellidifolium* Desf., *testibus* Bucknall and White.
- 502, 23. *L. triphylla minor lutea*, C. B. P. Cited Hort. Cliff. 324. *Antirrhinum triphyllum* L. = *Linaria triphylla* Mill.
24. *L. annua Chalepensis* . . . nobis. Cited Sp. Pl. 617. *Antirrhinum Chalepense* L. = *L. chalepensis* Mill.
25. *L. minima foliis hirsutis* . . . nobis. Cited Hort. Cliff. 324. *A. minus* L. = *L. viscida* Moench = *L. minor* Desf.
- 503, 27. *L. hirsuto folio subrotundo* . . . nobis. Cited Hort. Cliff. 324. *A. spurium* L. = *L. spuria* Mill.
28. *L. . . folio acuminato in basi auriculato*, nobis. Cited Hort. Cliff. 323. *A. Elatine* L. = *L. Elatine* Mill. (as *Elatina*).
30. *L. folio glabro subrotundo Hederae* . . . nobis. Cited Hort. Cliff. 323. *A. Cymbalaria* L. = *L. Cymbalaria* Mill.

CAPUT XI. *Antirrhinum*.

- P. 505, 1, 2, 3, 4. *Antirrhinum majus longiore folio*, nobis. Cited Hort. Cliff. 324. *Antirrhinum majus* L. and *flo. albo*.
5. *A. arvense minus*, nobis. No specimen. Cited Hort. Cliff. 324. *A. Orontium* L.

This specimen is not mentioned in the *Historia* :

Cymbalaria Alpina villosa Triumph. Syllab. *Ex Insul. Balear. ad Jac. Petiver. Sibthorpia africana* L., *testibus* Bucknall and White.

CAPUT XII. *De Tetrapetalis Quadricapsularibus*. (*Ruta*.)

- 507, 3. *Ruta silvestris major*, C. B. P. Cited Sp. Pl. 383. *Ruta graveolens* L.
- 508, 4. *R. silvestris minor*, C. B. P. *R. montana* Mill.
- A sheet labelled *R. Chalepensis latifolia*, &c. *H. L. Bat. R. bracteosa* DC., *testibus* White and Bucknall.
5. *R. Chalepensis tenuifolia* . . . nobis. Cited Sp. Pl. 383. *R. graveolens* L. var. β . See Aiton Hort. Kew. iii. 35. 1811 = *R. chalepensis* L. and var. *angustifolia* (Pers.).
6. *R. silvestris flore magno*, C. B. P. (Tab. 14, fig. 5.) No specimen. Cited Hort. Cliff. 206. *Peganum Harmala* L.

CAPUT XIII. *De Pentapetalis Quinquecapsularibus*. (*Geranium*.)

- P, 511, 1. *Geranium annum minus batrachioides Bohemicum* . . . nobis. Cited Sp. Pl. ed. ii. 955. *Geranium bohemicum* L.

2. *G. folio Malvae rotundo majus, nobis.* **G. rotundifolium** L.
 3. *G. columbinum majus, nobis.* Cited Sp. Pl. ed. ii. 956.
G. dissectum L.
- 512, 4. *G. columbinum annuum minus tenuius laciniatum, C. B. P.*
G. pusillum L.
 5. *G. . . . flore pediculo longissimo insistente, nobis.* **G. columbinum** L.
 6. *G. annuum rotundifolium . . . lucidum, nobis.* **G. lucidum** L.
 7. *G. Althaeae folio, C. B. P.* Cited Hort. Cliff. 344. *G. malacoides* L. = *Erodium malachoides* Willd.
 8. *G. minimum procumbens foliis Betonicae, nobis.* Cited Sp. Pl. ed. ii. 951. *G. maritimum* L. = *E. maritimum* L'Hér.
 9. *G. annuum Cicutae folio inodorum, C. B. P.* Cited Hort. Cliff. 344. *G. cicutarium* L. = *E. cicutarium* L'Hér.
- 513, 10. *G. moschatum, Eyst.* **E. moschatum** L'Hér.
 11. *G. Robertianum flore dilute rubello, nobis.* Cited Hort. Cliff. 344. **Geranium Robertianum** L.
 Another sheet labelled *G. lucidum saxatile foliis Geranii Robertiani D. Sher. Raii Syn.* 218, *G. saxatile Robertiano simile Anglicum Schol. Bot.* is the plant which Lindley (*Syn. Syst.* 1829) called *Geranium Raii* = **G. Robertianum** L. var. **Raii** (Lindl.).
12. *G. latifolium . . . flore acu longissima, nobis.* Cited Hort. Cliff. 498. *G. gruinum* L. = *Erodium gruinum* [Sol.] in Aiton.
 13. *G. Apulum Coriandri folio . . . Col.* **E. ciconium** Willd.
- 514, 14. *G. Batrachiodes folio Aconiti, C. B. P.* No specimen. Cited Hort. Cliff. 344. **Geranium sylvaticum** L.
 15. *G. Batrachiodes odoratum, C. B. P.* Cited Sp. Pl. 680.
G. macrorrhizum L.
 16. *G. Batrachiodes violaceum . . . nobis.* Cited Hort. Cliff. 344.
G. pratense L.
 17. *G. sanguineum maximo flore, C. B. P.* **G. sanguineum** L.
 A sheet is inserted, labelled *G. haematodes flore variegato H. Edinb. G. haematodes Lancastricense, flore eleganter striato Raii Hist.* 1061. **G. sanguineum** L. var. **lancastricense** (Mill.).
- 515, 18. *G. Phaeum seu fuscum . . . nobis.* Cited Hort. Cliff. 343.
G. phaeum L. var. β . The specimen is **G. phaeum** L.
 19. *G. . . . petalis rectis . . . nobis.* Cited Hort. Cliff. 343.
G. phaeum L.
 20. *G. radice Asphodeli, nobis.* Imperfect. **Geranium** sp.
- 516, 21. *G. tuberosum maius, C. B. P.* Cited Hort. Cliff. 343. **G. tuberosum** L.
 22. *G. nodosum C. B. P.* Cited Hort. Cliff. 343. **G. nodosum** L.

23. *G. argenteum* Alpinum . . . Pon. Ital. **G. argenteum** L.
 24. *G. Romanum versicolor*, Park. Parad. Cited Sp. Pl. ed. ii. 954. *G. striatum* L. = **G. versicolor** L.
 517, 26. *G. triste*, Cornut. Cited Hort. Cliff. 344. *G. triste* L. = **Pelargonium triste** [Sol.] in Aiton.
 Also a sheet *G. columbinum majus, flore caeruleo minore, Raii H. 1059. G. pyrenaicum* Burm. f.; also under two other names.
 27. *G. foetidum*, Park. **Erodium** sp. possibly *E. romanum* Willd.

De Mollientibus Pentapetalis.

CAPUT XIV. **Malva.**

- P. 520, 2. *Malva annua trimestris* . . . nobis. Cited Hort. Cliff. 348. **Lavatera trimestris** L.
 3. *M. annua foliis crispis*, C. B. P. Cited Hort. Cliff. 347. **Malva crispa** L.
 521, 4. *M. annua rotundifolia* . . . nobis. Cited Sp. Pl. 689. **M. verticillata** L.
 5. *M. annua hirsuta foliis Hederae* . . . nobis. No specimen. Cited Sp. Pl. ed. ii. 974 for **Lavatera cretica** L.
 6. *M. annua folio vario*, C. B. P. **Lavatera punctata** All.
 7. *M. silvestris perennis procumbens* . . . nobis. Cited Hort. Cliff. 347. **Malva rotundifolia** L.
 8. *M. silvestris procerior seu elatior rectave* . . . nobis. Also a sheet labelled *folio sinuato flore albo H. Edinburgh.* Cited Hort. Cliff. 347. **M. sylvestris** L.
 522, 11. *M. silvestris Betonicae folio*, Boccon. Cited Sp. Pl. 692. **Malope malacoides** L.
 The specimen is bad, but Mr. E. G. Baker assigns it to this species.
 12. *M. silvestris vel palustris* . . . nobis. Cited Hort. Cliff. 348.
 Also a sheet labelled *Althaea folio rotundiori, sive minus acuminato Hort. Edinb.*, a form with blunter leaves. **Althaea officinalis** L.
 523, 14. *M. Hispanica foliis mollibus* . . . nobis. Cited Sp. Pl. ed. ii. 972 (fig. 9), also DC. Prod. i. 439, for *Lavatera micans* L. Mr. E. G. Baker confirms my identification of the specimen as **L. triloba** L.
 15. *M. maritima arborea* . . . nobis. **L. arborea** L.
 16. *M. maritima arborea nostras*, Park. **L. arborea** L.
 17. *M. frutescens folio acuto auriculato* . . . nobis. Cited Hort. Cliff. 348. **L. Olbia** L.
 524, 18. *M. Rosea folio subrotundo* . . . nobis. Cited Hort. Cliff. 348. *Alcea rosea* L. = **Althaea rosea** Cav.

19. *M. hortensis* seu *Rosea* . . . *Chalepensis*, nobis, probably *A. pallida* Waldst. and Kit.
20. *M. Rosea folio subrotundo flore pleno*, C. B. P.
A sheet of variously coloured double Hollyhock flowers
A. rosea Cav.
21. *M. Rosea* . . . *acaulos flore pallide luteo*, nobis. *A. acaulis* Cav. *teste* E. G. Baker.
22. *M. rosea peregrina folio ficus obscure viridi*, nobis. Cited Hort. Cliff. 348. *Alcea ficifolia* L. = *Althaea ficifolia* Cav.

CAPUT XV. **Alcea.**

- P. 527, 3. *Alcea vulgaris*, Dod. Cited Hort. Cliff. 347 and Sp. Pl. 689 for *Malva Alcea* L. The specimen is *M. moschata* L. Another sheet is the white-flowered form.
4. *A. folio rotundo laciniato*, C. B. P. Cited Hort. Cliff. 347, 8, var. β ; also Sp. Pl. 690 for *Malva moschata* L. The specimen is *M. Alcea* L.
 5. *A. cannabina*, C. B. P. Cited Hort. Cliff. 349. *Althaea cannabina* L.
- 528, 6. *A. hirsuta seu villosa*, nobis. Cited Hort. Cliff. 349. *Althaea hirsuta* L.
7. *A. Pharnambucana Carpini folio* . . . nobis. No specimen. Cited Sp. Pl. 684 for *Sida rhombifolia* L. var. β .
 8. *A. Virginiana Carpini folio* . . . nobis. Cited Hort. Cliff. 346. *S. spinosa* L.
On the sheet is given a synonym from *H. Amst. Cap. 2*. The specimen is (*teste* E. G. Baker) *Malvastrum tricuspdatum* A. Gray.

CAPUT XVI. **Althaea.**

- P. 530, 1. *Althaea arborescens glabra* . . . nobis. *Hibiscus syriacus* L.
2. *A. arborea rosea Sinensis*, nobis. *Rosa chinensis*. *Manally Coy.* Cited Sp. Pl. 694. *H. mutabilis* L.
- 531, 3. *A. Theophrasti flore luteo*, C. B. P. Cited Hort. Cliff. 346. *Sida Abutilon* L. = *Abutilon Avicennae* Gaertn. = *A. Theophrasti* Medic.
4. *A. Theophrasti similis*, C. B. P. With the name *Tuty cherry malva*. Cited Sp. Pl. ed. ii. 964. *Sida indica* L. = *A. indicum* Sweet.
- 532, 6. *A. rosea peregrina forte Rosa moscheutos Plinii*, Corn. Cited Sp. Pl. 693. *Hibiscus Moscheutos* L.
7. *A. Indica magno flore* . . . nobis. *Alcea Indica magno flore* C. B. P. The specimen is a cultivated *Hibiscus* of the *Abelmoschus* Section.

Also a sheet labelled *Sabdarissa s. Alcea Americana Park. Alcea indica magno flore C. B. P. Sabdarissa Ger. Sent from Fort St. George by my brother Dan Du Bois; ex C. Du Bois. Hibiscus cannabinus L., as is, teste E. G. Baker, another sheet labelled Sorrell St. Christophers.*

9. *A. Aegyptia villosa*, nobis. Cited Hort. Cliff. 349. **Hibiscus Abelmoschus** L.
- 533, 11. *A. vesicaria Veneta*, nobis. Cited Hort. Cliff. 349. **H. Trionum** L. *sens. lat.*
12. *Alcea vesicaria Capitis bonae spei*, nobis. The specimen is **H. Trionum** L., perhaps the var. **vesicarius** (Cav.).

De Pentapetalis.

CAPUT XVII. **Lychnis.**

1. *Lychnides glabrae.*

- P. 535, 1. *Lychnis silvestris perennis* quae Been album vulgo, nobis. Cited Hort. Cliff. 170. *Cucubalus Behen* L. = *Silene inflata* Sm. = **S. Cucubalus** Wibel (I. K.). Also a sheet *foliis variegatis.*
2. *L. perennis angustifolia marina Anglica procumbens*, nobis. Cited Sp. Pl. ed. ii. 596. *S. amoena* L. = **S. maritima**, With.
4. *L. silvestris seu montana latifolia viscosa*, nobis. Cited Hort. Cliff. 171, *Silene nutans* L. But the specimen (labelled *Nottingham Castle, Dr. Richardson*) is **Lychnis alba** Mill., teste White and Bucknall; a second sheet is **S. italica** Pers.
- 536, 5. *L. viscosa flore muscoso*, C. B. P. **Silene Otites** Wibel.
6. *L. silvestris angustifolia viscosa . . . nobis.* Cited Hort. Cliff. 172. **Lychnis Viscaria** L.
7. *L. major angustifolia viscosa alba . . . nobis.* As Bucknall and White suggest, it may be **Silene italica** Pers.
- 537, 8. *L. pratensis flore laciniato . . . nobis.* Cited Hort. Cliff. 174. **Lychnis Flos-cuculi** L.
Also a sheet *flore albo*, and a sheet of specimens *flore pleno.*
- 538, 12. *L. frutescens noctiflora*, nobis. **Silene nocturna** L.
13. *L. frutescens myrtifolia* Been albo similis, C. B. P. **S. fruticosa** L.

2. *Lychnides latifoliae virides.*

14. *L. Chalcedonica flore . . . simplici et pleno*, nobis. Cited Hort. Cliff. 174. **Lychnis chalcedonica** L.

3. *Lychnides majores coronariae.*

- 540, 19. *L. coronaria sativa* . . . nobis. **L. Coronaria** Desr.
 20. *L. coronaria silvestris*, C. B. P. Cited Sp. Pl. ed. ii. 625 and Bot. Mag. t. 398, *Agrostemma Flos-Jovis* L. = **L. Flos-Jovis** Desr.

4. *Lychnides silvestres.*

- 541, 21. *L. silvestris hirsuta perennis alba* . . . nobis. Cited Hort. Cliff. 170. *L. dioica* L. var. β = **L. alba** Mill. Also *alba flore pleno* *J. B.* 3. 343.
 23. *L. silvestris minus hirsuta flore rubella* . . . nobis. Cited Hort. Cliff. 170. **L. dioica** L.
 A sheet *flo. albo simplici* and *flo. rubello eleganter multiplici*.
 24. *L. silvestris hirsuta annua* . . . nobis. **Silene noctiflora** L.
 25. *L. Chalepensis annua* . . . nobis. Seeds sent from Aleppo by Huntington. **Gypsophila porrigens** L., *testibus* Bucknall and White.

5. *Lychnides segetales glabrae.*

- 542, 26. *L. viscosa purpurea latifolia levis*, C. B. P. Cited Hort. Cliff. 170. **Silene Armeria** L. and *f. albo*.
 27. *L. segetum vaccaria dicta*, nobis. Cited Hort. Cliff. 166. **Saponaria Vaccaria** L.
 28. *L. glabra annua foliis oblongis* . . . nobis. Cited Sp. Pl. 418 for *Silene conica* L.; but by Aiton Hort. Kew. iii. 90, 1811, for **S. conoidea** L., to which species the specimen belongs.

6. *Lychnides segetales hirsutae.*

- 543, 31. *L. hirsuta segetum major*, nobis. And a sheet *flo. albo*. Cited Hort. Cliff. 175. *Agrostemma Githago* L. = **Lychnis Githago** Scop.
 32. *L. segetum Nigellastrum* . . . nobis. Cited Sp. Pl. 436, A. *Coeli-rosa* L. = **L. Coeli-rosa** Desr.
 33. *L. silvestris latifolia cauliculis striatis turgidis*, C. B. P. Cited Hort. Cliff. 171, *Silene conoidea* L. One sheet Bucknall and White agree with me in naming **S. pendula** L.; the other sheet *L. sylvestris . . . caliculis turgidis striatis* C. B. P. 205 is **S. conica** L.

7. *Lychnides minores hirsutae.*

- 544, 35. *L. silvestris lanuginosa minor*, C. B. P. **Silene quinquevulnera** L.; a second sheet is **S. nocturna** L.
 36. *L. segetum meridionalium annua*, nobis. **S. nocturna** L.

37. *L. segetum minima*, nobis. *S. conica* L., *testibus* Bucknall and White, as is also a sheet marked *Aleppo*.
 38. *L. vel Ocimoides montanum* . . . nobis. *Saponaria Ocy-moides* L.

8. *Lychnides maritimae arvenses*.

- 545, 43. *L. arvensis minor vulgaris hirsuta*, nobis. *Cerastium arvense* L.
 546, 44. *L. maritima incana et tomentosa*, nobis. *C. tomentosum* L.
 46. *L. graminea hirsuta umbellifera*, nobis. Cited Sp. Pl. 88. *Holosteum umbellatum* L. Bobart inserts it as *Alsine verna glabra, floribus umbellatis albis Tourn. I. R. H. 242*, with *Alsine* (see p. 56).
 47. *L. arvensis glabra flore majore*, nobis. *Stellaria Holostea* L.
 48. *L. arvensis glabra flore minore*, nobis. Cited Hort. Cliff. 172. *S. graminea* L.

9. *Lychnides Saponariae dictae*.

- 547, 52. *Saponaria vulgaris simplex multiplex*, nobis. Also a sheet *flore pleno*. Cited Hort. Cliff. 165. *Saponaria officinalis* L.
 548, 53. *S. concava Anglica*, C. B. P. et Prod. 103. Cited Sp. Pl. 408. *S. officinalis* L. var. *hybrida* L. This is Gerard's (Herbal, p. 353, 1597) *Gentiana concava* which he found in 'a small groue of wood called the Spinnie, neere unto a small village in Northamptonshire called Lichbarrow' (Litchborough). The plant, which no longer grows there, had a monstrous flower in which the petals were fused into a conical tube. Dr. Lister sent a specimen to Bauhin, who correctly determined and named it as above.
 54. *S. minor Dalpii*, Lugd.
 One sheet is *Daphne Cneorum* L. Another sheet, labelled *Lychnis maritima carnea bifida*, is *Silene sericea* All., *testibus* Bucknall and White. The plant is stated to have been grown from seed sent by Casabona from Crete; but *S. sericea* is not a Cretan species.
 55. *Lychnis ramosa* . . . Neapolitanis dicta *Saponaria lanaria*, nobis. *Gypsophila Rokejska* Del., teste Dr. Stapf.
 The following specimens, not mentioned in the *Historia*, are in the Herbarium:—
Lychnis pratensis glabra media . . . *Caryophyllus holosteus arvensis medius*, Raii Syn. 207. *Stellaria Dilleniana* Moench, var. *palustris* (Retz.).
L. Aethiopica noctiflora spicae foliis, Breyn Fascic. *Silene nicaeensis* All., *testibus* Bucknall and White.

- L. fol. subrotundo calice sinuato et rugoso. *Smyrna*. **S. dichotoma** Ehrh.
 L. sylvest. angustifol., caliculis turgidis striatis, C. B. P. Cited Sp. Pl. 418 for *S. conica* L.; the specimen is probably **S. vespertina** Retz.
 L. sylvest. flore albo minimo, Raii. *Near Colchester, S. Dale*. **S. anglica** L.

CAPUT XVIII. **Alsine.**

- P. 550, 1. *Alsine altissima nemorum*, C. B. P. **Stellaria nemorum** L.
 4. *A. media*, C. B. P. Cited Hort. Cliff. 173. *Alsine media* L. = **S. media** Vill.
 5. *A. minor multicaulis*, C. B. P. **Arenaria serpyllifolia** L.
 6. *A. minor Lini capitulis*, C. B. P. **Arenaria tenuifolia** L.
 7. *A. aquatica major*, C. B. P. **Stellaria aquatica** Scop.
 8. *A. aquatica media*, C. B. P. **S. uliginosa** Murray.
 551, 9. *A. Plantaginis folio*, Ger. **Arenaria trinervia** L.
 10. *A. hirsuta major foliis subrotundis . . . nobis*. **Cerastium viscosum** L.
 11. *A. hirsuta altera viscosa foliis longis . . . nobis*. **C. vulgatum** L.
 12. *A. tenuifolia muscosa*, C. B. P. Cited Sp. Pl. 359 for *Moehringia muscosa* L. var. β . The specimen is **M. muscosa** L.
 13. *A. Spergula dicta major*, C. B. P. **Spergula sativa** Boenn.
 14. *A. Spergulae facie seu Spergula minor . . . C. B. P. et Prod. Spergularia rubra* Presl.
 15. *A. Spergula major maritima . . . nobis*. **Spergula salina** Presl, var. *neglecta* (Kindb.).
 16. *A. Spergula annua . . . nobis*. No specimen. Cited Sp. Pl. 440 for **Spergula pentandra** L.
 552, 19. *A. lotoides sicula*, Boccon. Cited Sp. Pl. ed. ii, 663. *Glinus lotoides* Loefl. = *Mollugo hirta* Thunb. (I. K.) = **M. lotoides** C. B. Clarke.

The following specimens in the Herbarium are not mentioned in the *Historia* :

- A. *pusilla pulchro flore folio tenuissimo* Raii. *This is a frequent plant in Craven especially in the sand way betwixt Malham & Settle but mostly nigh the top of Stockdale head, it is not a less common plant in Flintshire Wales particularly where lead has been got, as you gae from S^t. Winefreds Well ta Rith-Lhan, in Derbyshire nigh Buxton I have alsae met with it.* The label is in Dr. Richardson's writing. **Arenaria verna** L.
 A. *hirsuta minor* C. B. **Cerastium semidecandrum** L.

- A. verna glabra, floribus umbellatis, Tourn. **Holosteum umbellatum** L.
- A. Myosotis facie Lychnis Alpina flo. amplo niveo, Raii Syn. i. 147. **Cerastium alpinum** L.
- A. palustris foliis tenuissimis, seu Saxifraga palustris Anglica. **Sagina nodosa** Fenzl.
- An A. tetrapetalos Caryophylloides, quibusdam Holosteum minimum. Raii Syn. ii. 206. **Cerastium erectum** Cosson = **Moenchia erecta** (L.) Gaertn.
- Hoary Sea-Chickweed, Raii Hist. Pl. 1026. **Polycarpon tetraphylla** L.
- A. littoralis foliis Portulacae, C. B. P. 251, ex sent. D. Salvadore, sed minus recto. **Polycarpon peploides** DC., *testibus* Bucknall and White.
- A. saxifraga Graminifolia, flosculis tetrapetalis herbidis et muscosis, Pluk. Phyt. Tab. 74. 2. **Saxifraga Anglica** Alsines folio annua, D. Plot, Raii Hist. 1026. **Sagina apetala** Ard.
- A. Balear. longius radicata tenuissimis foliis flore purpureo, Salvadore. **Alsine procumbens** Fenzl, *testibus* Bucknall and White.

De Pentapetalis Unicapsularibus.

CAPUT XIX. **Verbasculum seu Primula Veris.**

- P. 555, 5. **Verbasculum Alpinum umbellatum** . . . C. B. P. **Primula farinosa** L.
9. V. Turcicum seu Carchichec Turcarum, nobis.
 Flowers only of five varieties of **Primula**. 1. *P. polyanth. flo. duplici variegat.*, Brumpton J. B. 2. *P. veris flo. lacteo eleganter purpureo variegat.*, Neathouses J. B. 3. *P. veris Constantinopolitana s. Carchichec flo. pleno purpureo.* 4. *P. veris Constantinop. s. Carchichec Turcarum flo. purpureo, altero alteri innato.* 5. *P. veris Constantinopol. flo. simplici foliaceo.*

CAPUT XX. **Sanicula Alpina vel Auricula Ursi.**

- P. 556, 1. **Saniculae affinis** planta Androsace dicta major, nobis. Cited Hort. Cliff. 50. **Androsace maxima** L.
- 557, 2. S. Alpina lutea, C. B. P. Cited Hort. Cliff. 51. **Primula Auricula** L.
- 558, 5. S. Alpina villosa foliis Borriginis, C. B. P. **Verbascum Myconi** L. = **Ramondia pyrenaica** Rich. = **R. Myconi** Reichb.
6. S. montana latifolia laciniata, C. B. P. Cited Hort. Cliff. 50. **Cortusa Matthioli** L. A second sheet, labelled **Auricula Ursi laciniata s. Cortusa Matthioli flore albo**, Tourn. Inst. 121, is **Tiarella cordifolia** L.

CAPUT XXI. **Caryophyllus.**

- 561, 2. *Caryophyllus maximus variegatus*, C. B. P. Flowers only.
Dianthus Caryophyllus L.
- 562, 12. *C. silvestris juncifolius caeruleus Monspeliensium*, nobis.
Cited Sp. Pl. 294. **Aphyllanthes monspeliensis** L.
13. *C. plumarius flore inodoro tenuissime dissecto*, nobis.
Dianthus Seguieri Vill., *testibus* Bucknall and White.
- 563, 17. *C. barbatus hortensis flore multiplici*, C. B. P. **D. barbatus** L.
18. *C. barbatus hortensis simplex latifolius*, nobis. Cited Hort.
Cliff. 165. **D. barbatus** L. var. **albus**.
20. *C. barbatus silvestris annuus . . . nobis*. Cited Hort. Cliff.
165. **D. Armeria** L.
21. *C. barbatus silvestris annua . . . nobis*. Cited Sp. Pl. 410.
Dianthus prolifer L. = **Tunica prolifera** Scop.

De Pentapetalis.

- CAPUT XXII. **Centaurium minus**. Capsulis oblongis bifidis.
- P. 565, 1. *Centaurium luteum perfoliatum*, C. B. P. Cited Sp. Pl.
232. *Gentiana perfoliata* L. = *Chlora perfoliata* L. =
Blackstonia perfoliata Huds.
- 566, 5. *C. minus rubrum vel album*, nobis. Cited Hort. Cliff. 81.
Gentiana Centaurium L. = *Erythraea Centaurium* Pers. =
Centaurium umbellatum Gilib. Also a sheet *flore albo*.
7. *C. minus spicatum*, C. B. P. *Erythraea spicata* Pers. = **C. spicatum** (Pers.).

CAPUT XXIII. **Numularia**. Capsulis minuta semina
continentibus.

- P. 567, 1. *Numularia major flore luteo*, nobis. Cited Hort. Cliff. 52.
Lysimachia Nummularia L.
2. *N. minor flore purpurascente*, C. B. P. Cited Sp. Pl. 148.
L. tenella L. = **Anagallis tenella** Murray.

CAPUT XXIV. **Anagallis**. Capsulis transversim sectis.

- P. 568, 1. *Anagallis flore phoeniceo*, C. B. P. Cited Hort. Cliff. 52.
Anagallis arvensis L.
Also a sheet *flore albo*.
- 569, 2. *A. flore caeruleo*, C. B. P. **A. femina** Miller.
3. *A. caerulea foliis binis ternisve . . .* C. B. P. Cited Hort.
Cliff. 52. **A. Monelli** L. (= *A. linifolia* L., I. K.).
5. *A. lutea nemorum*, C. B. P. Cited Sp. Pl. 148. **Lysimachia nemorum** L.

Also a sheet *Nummularia norwegica repens folio dentato, floribus geminis*, Mus. nost. *E Norwegia ad Jac. Petiver. Linnaea borealis* L.

CAPUT XXV. **Portulaca.**

- 570, 1. *Portulaca latifolia* seu *sativa*, C. B. P. Cited Hort. Cliff. 207. *Portulaca oleracea* L.
 571, 2. *P. angustifolia* sive *silvestris*, C. B. P. *P. oleracea* L.
 3. *P. minima* flore albo, nobis. **Montia verna** Neck.
 Also a sheet *Anagallis serpillifolia aquatica* J. B. 3. 371. **M. verna** Neck. var. **major** (All.).

CAPUT XXVI. **Linum.** Capsulis pluribus loculamentis.

- P. 572, 1. *Linum sativum*, C. B. P. Cited Hort. Cliff. 114. **Linum usitatissimum** L.
 Another sheet of the same, labelled *L. sativum humilius flore caeruleo majore*, C. B. P.
 573, 3. *L. perenne majus caeruleum* . . . nobis. Cited Sp. Pl. 277 for *L. perenne* L. ; but the specimen is **L. usitatissimum** L., *testibus* Bucknall and White.
 Another specimen, without label, is **L. narbonense** L.
 5. *L. silvestre latifolium hirsutum caeruleum*, C. B. P. Cited Sp. Pl. 277. **L. hirsutum** L.
 6. *L. . . candidum . . .* C. B. P. Cited Bot. Mag. t. 1087. *L. ascyrifolium* Sims = **L. hirsutum** L.
 574, 9. *L. maritimum luteum*, C. B. P. **L. maritimum** L.
 10. *L. silvestre latifolium luteum*, C. B. P. **L. campanulatum** L.
 11. *L. luteum ad singula genicula floridum*, nobis. Cited Sp. Pl. 280. **L. nodiflorum** L.
 575, 15. *L. silvestre angustifolium floribus dilute purpurascens* . . . C. B. P. White and Bucknall refer the specimen to **L. perenne** L.
 18. *L. angustifolium silvestre minus*, C. B. P. The specimen is imperfect. Bucknall and White refer it to **L. tenuifolium** L.
 19. *L. pratense flosculis exiguis*, C. B. P. Cited Hort. Cliff. 114. **L. catharticum** L.

De Mollientibus semine triangulari.

CAPUT XXVII. **Lapathum.**

- 577, 1. *Lapathum praestantissimum Rhabarbarum officinarum dictum*, nobis. Cited Hort. Cliff. 155. *Rheum Rhaponticum* L. Bucknall and White query the specimen as **Rumex alpinus** L.

- 578, 2. *L. Alpinum* folio subrotundo, nobis. **R. alpinus** L.
 579, 4. *L. hortense* folio oblongo, C. B. P. **R. elongatus** Guss., *testibus* Bucknall and White (merged in *R. crispus* in Ind. Kew.).
 5. *L. aquaticum* folio cubitali, C. B. P. **R. Hydrolapatheum** Huds.
 6. *L. folio acuto* rubente, C. B. P. Cited Hort. Cliff. 138. **R. sanguineus** L.
 7. *L. folio acuto* crispo, C. B. P. **R. crispus** L.
 8. *L. aquaticum* ramosum . . . nobis. **R. maritimus** L.
 580, 11. *L. silvestre* folio subrotundo . . . nobis. Cited Sp. Pl. 336. **R. obtusifolius** L.
 12. *L. Cbalepense* folio acuto . . . nobis. **R. obtusifolius** L.
 13. *L. ramis procumbentibus* . . . nobis. Leaves only. Cited Sp. Pl. 336. **R. pulcher** L.
 14. *L. maritimum* foetidum, C. B. P. **R. tingitanus** L., *testibus* Bucknall and White.

CAPUT XXVIII. **Oxalis sive Acetosa.**

- 582, 1. *Acetosa pratensis*, C. B. P. **Rumex Acetosa** L.
 583, 3. *A. sterilis* Moschovitica, nobis. Leaves only. Bucknall and White suggest **R. Acetosa** L.
 4. *A. montana* maxima, C. B. P. **Rumex** sp.
 5. *A. montana* radice recta pedali . . . nobis. Probably **R. arifolius** L.
 6. *A. Ragusiana* radice tuberosa, nobis. **R. tuberosus** L.
 Another sheet is **R. tingitanus** L.
 7. *A. Americana* . . . C. B. P. et Prod. Cited Sp. Pl. 337. **R. vesicarius** L.
 8. *A. vesicaria* Tingitana perennis . . . nobis. Leaves only. Cited Sp. Pl. ed. ii. 479 for **R. tingitanus** L.
 9. *A. rotundifolia* hortensis, C. B. P. Cited Sp. Pl. 337. **R. scutatus** L.
 10. *A. rotundifolia* repens Eboracensis . . . nobis. Cited Hort. Cliff. 138. **R. digynus** L. = **Oxyria digyna** Hill.
 584, 12. *A. arvensis* lanceolata, C. B. P. **R. Acetosella** L.
 14. *A. Neapolitana* Ocimi folio, C. B. P. Cited Hort. Cliff. 139. **R. bucephalorus** L.

The following specimens are not mentioned in the *Historia* :

Acetosa arborescens subrotundo folio, ex *Insulis Fortunatis*. *Pluk. Alm. Bot. Tab. 252*, **R. Lunaria** L., *testibus* White and Bucknall. Also *Acetosa rotundifolia Alpina* C. B. P. 114, **R. scutatus** L. : and *Lapathum acutum Chalepense majus*, etc., **R. nemorosus** Schrad.

De Pentapetalis semine triangulari.

CAPUT XXIX. **Bistorta.**

- P. 585, 1 and 2. *Bistorta major* radice magis (et minus) intorta, C. B. P. Cited Hort. Cliff. 150. *Polygonum Bistorta* L.
 4. *B. pumila* foliis variis, nobis. *P. viviparum* L., *testibus* White and Bucknall.
 585, 5. *B. Alpina minima sobolifera*, nobis. *Polygonum viviparum* L.

CAPUT XXX. **Potamogeton.**

- P. 586, 1. *Potamogeton majus rotundifolium*, nobis. *Potamogeton natans* L.
 587, 2. *P. angustifolium* seu *Salicis folio*, nobis. *Polygonum amphibium* L. var. *natans* et *terrestre* Leers.
 3. *P. foliis latis splendentibus*, C. B. P. *Potamogeton perfoliatum* L.
 4. *P. foliis angustis splendentibus*, C. B. P. *P. lucens* L.
 6. *P. foliis crispis sive Lactuca ranarum*, C. B. P. *P. crispum* L. var. *serratum* (Huds.).

The following specimens are not mentioned in the *Historia* :

P. caule compresso folio Graminis canini Raii Syn. 61.
P. Friesii Rupr. *P. seu Fontinalis media lucens* J. B. *P. densum* L.

P. millefolium, seu foliis gramineis ramosum Raii 61, Forte P. gramineus ramosum C. B. P. et J. B. 778. P. pectinatum L.

P. pusillum maritimum folio gramineo Raii Syn. 62 no. 9 ex S. Dale. P. pectinatum L., *teste* Arthur Bennett.

A sheet is inserted here from S. Dale. *P. maritimum pusillum alterum, seminibus singulis longis pediculis insidentibus, Raii Syn. 62 n. 1. Ruppia maritima* L.

CAPUT XXXI. **Persicaria sive Hydropiper.**

- P. 588, 1 et 2. *Persicaria mitis non maculosa*, C. B. P., et *P. mitis maculosa*, eidem.
 Two sheets *Polygonum Persicaria* L., with spotted and unspotted leaves.
 589, 3. *P. frutescens maculosa Virginiana* . . . Park. Cited Sp. Pl. 360. *P. virginianum* L.
 5. *P. minor seu pusilla procumbens*, nobis. *P. minus* Huds.

CAPUT XXXII. **Erysimum Cereale seu Fagopyron.**

- P. 590, 1. *Fagopyron*, Dod., etc. Cited Hort. Cliff. 151. *Polygonum Fagopyrum* L. = *Fagopyrum sagittatum* Gilib.

2. *Frumentum Saracenicum alterum Convolvuli modo scandens* . . . nobis. Cited Hort. Cliff. 150. **Polygonum Convolvulus L.**

CAPUT XXXIII. **Polygonum.**

- P. 591, 1. *Polygonum latifolium*, C. B. P. Cited Hort. Cliff. 150. **P. aviculare L.**
 Also a sheet, *varietas prioris*, queried by White and Bucknall as var. **microspermum** Jord. Also a sheet *P. latis brevibusque foliis densius stipatis* = ? var. **humifusum** Jord.
2. *P. maximum longissimis cauliculis et foliis*, nobis. **P. Bellardi** All., *testibus* Bucknall and White.
3. *P. maritimum latifolium*, C. B. P. **P. maritimum L.**
- 592, 4. *P. perenne procumbens* . . . floribus in capitulum congestis, nobis. **Telephium Imperati L.**
5. *P. montanum minimum niveum* . . . Ad. Lob. **Paronychia argentea L.**
 Another sheet, *P. minus candicans capitulis surrectis* Bot. Monsp. 204, is **P. serpyllifolia** DC.
- 593, 1. *P. litoreum minus flosculis spadiceo albicantibus*, C. B. P. Cited Hort. Cliff. 112. **Corrigiola littoralis L.**
 Bobart labels it *P. vel Linifolia per terram sparsa, flore Scorpioides* J. B. 3. 379.
2. *P. minus sive Millegrana major*, *Herniaria glabra*, nobis. Cited Hort. Cliff. 41. **Herniaria glabra L.**
 A second sheet, labelled *P. minus sive Millegrana major hirsuta* C. B. P., is **Herniaria incana** Lam.
3. *P. minimum sive Millegrana minima*, C. B. P. Cited Hort. Cliff. 104. *Linum Radiola* L. = **Radiola Linoidea** Roth.
- 594, 4. *P. parvum flore albo verticillato*, J. B. Chabr. **Illecebrum verticillatum L.**
6. *P. Germanis* Knawell, Trag. Cited Hort. Cliff. 166. **Scleranthus annuus L.**
7. *P. maritimum minus foliis Serpilli*, C. B. P. **Frankenia pulverulenta L.**
8. *P. maritimum Chamaesyces folio*, nobis. **F. laevis L.**
9. *P. maritimum lentifolium*, nobis. **F. pulverulenta L.**
10. *P. maritimum folio Alsines*, nobis. **Polycarpon tetraphyllum L.**

De Mollientibus.

CAPUT XXXIV. **Beta.**

- P. 596, 2. *Beta alba* . . . quae Sicula et Cicla officinarum, C. B. P. **Beta vulgaris L.** var. **Cicla** Moquin.

3. *B. rubra vulgaris*, C. B. P. **B. vulgaris** var. *purpurascens* Moquin.
4. *B. platycaulos*, Lugd. **B. vulgaris** var. *lutea* (DC.) Moquin.
- 597, 7. *B. Cretica* semine spinosa seu aculeato, C. B. P. **Emex spinosa** Campd.

CAPUT XXXV. **Spinachia.**

- P. 598, 1. *Spinachia* semine spinosa, C. B. P. Cited Sp. Pl. 1027. **Spinacia oleracea** L.
2. *S. semine non spinosa*, C. B. P. **S. glabra** Mill.

CAPUT XXXVI. **Blitum.**

- P. 599, 1. *Blitum* perenne *Spinachiae* facie, nobis. Cited Hort. Cliff. 84. **Chenopodium Bonus-Henricus** L.
2. *B. majus album*, C. B. P. Cited Hort. Cliff. 444. **Amaranthus oleraceus** L.
 3. *B. majus rubrum*, C. B. P. Ger. **A. viridis** L., *testibus* Bucknall and White.
 5. *B. minus rubrum*, C. B. P. **Chenopodium polyspermum** L.
 6. *B. minus Polyspermon* . . . C. B. P. Cited Hort. Cliff. 28. **C. polyspermum** L.

CAPUT XXXVII. **Parietaria.**

- P. 600, 1. *Parietaria* *Dioscoridis* et officinarum, C. B. P. Cited Sp. Pl. 1052 for *P. officinalis* L. The specimen is *P. diffusa* Mert. and Koch = *P. ramiflora* Moench = *P. judaica* L.
Also a sheet labelled *Parietaria Lipsiensium major latifolia* Mentzel. **P. officinalis** L.
- 2 and 3. *P. Sicula* *Alsines* folia, Boccon. Rootless specimens, probably **P. lusitanica** L.

. De Pentapetalis.

CAPUT XXXVIII. **Amaranthus.**

- P. 602, 1. *Amaranthus* foliis variegatis . . . nobis. **Amaranthus tricolor** L., *testibus* Bucknall and White.
3. *A. paniculis propendentibus* . . . nobis. Cited Hort. Cliff. 443. **Amaranthus caudatus** L. Sp. Pl.; specimen is doubtful.
 4. *A. major paniculis surrectis* . . . nobis. **A. patulus** Bert., *testibus* Bucknall and White.
 5. *A. minor paniculis surrectis* . . . nobis. **A. paniculatus** L., *testibus* Bucknall and White.

De Mollientibus.

CAPUT XXXIX. **Atriplex.**

- P. 604, 1. *Atriplex silvestris latifolia*, C. B. P. **Chenopodium hybridum** L.
 3. *A. silvestris folio sinuato candicante*, C. B. P. **C. album** L.
 4. *A. silvestris altera folio sinuato saturate virente . . . nobis.*
C. urbicum L. var. **intermedium** Moq.
- 605, 6. *A. foetida*, C. B. P. Cited Hort. Cliff. 84. **Chenopodium Vulvaria** L.
 7. *A. odora seu suaveolens*, nobis. Cited Hort. Cliff. 84. **C. Botrys** L.
 8. *A. odora sive suaveolens Americana . . . nobis.* Cited Sp. Pl. 220. **C. ambrosioides** L.
- 606, 9. *A. Mori fructu major . . . nobis.* **C. capitatum** Aschers.
 10. *A. Mori fructu minor . . . nobis.* 'Plantam ipsam singulis annis florentem et semina ferentem habemus in Horto Publico Universitatis.' **C. virgatum** Thunb.
 11. *A. Mori fructu minima*, nobis. **B. virgatum** L. = **C. virgatum** Thunb.
 12. *A. hortensis alba . . . C. B. P.* Cited Hort. Cliff. 469. **Atriplex hortensis** L.
- 607, 14. *A. silvestris annua folio deltoide triangulari sinuato . . . nobis.* Cited Sp. Pl. 1053. *A. hastata* L. = **A. patula** L. var. **angustifolia** (Sm.).
 16. *A. angustifolia laciniata minor*, J. B. Chabr. Imperfect; perhaps **Chenopodium serotinum** L.
 17. *A. maritima laciniata*, C. B. P. *from S. Dale.* Cited Hort. Cliff. 469. **Atriplex laciniata** L.
 19. *A. maritima perennis . . . nobis.* **A. patula** L., *teste* Arth. Bennett.
 20. *A. minima angustifolia maritima*, Boccon. **A. patula** L. var. **angustifolia** (Sm.).
 21. *A. latifolia seu Halimus fruticosus . . . nobis.* Cited Hort. Cliff. 469. **A. Halimus** L.
- 608, 22. *A. maritima angustifolia procumbens*, nobis. **A. Portulacoides** L.
 23. *A. maritima angustissimo folio*, nobis. **A. Portulacoides** L.

CAPUT XL. **Kali.**

- P. 609, 1. *Kali majus semine cochleato*, Ger. An Alga, **Halurus equisetifolius** Kütz.
 610, 3. *K. minus album semine splendente*, C. B. P. Cited Sp. Pl. 221. **Chenopodium maritimum** L. = *Suaeda*, Forskal = **Dondia maritima** Druce.

7. *K. geniculatum* alterum vel minus, C. B. P. Cited Aiton Hort. Kew. i. 12, 1810, for *Salicornia arabica* L. The specimen is *S. macrostachya* Moric., *testibus* Bucknall and White.
- 611, 8. *K. geniculatum* majus, C. B. P. *S. macrostachya* Moric.
9. *K. fruticosum* minus . . . nobis. *Suaeda maritima* Dum. = *Dondia maritima* Druce.
10. *K. fruticosum* majus alterum flore majore, nobis. *Suaeda fruticosa* Forsk. = *D. fruticosa* Druce.
2. *K. spinosa* affinis planta, nobis. Cited Sp. Pl. 222. *Salsola Kali* L.

CAPUT XLI. **Mercurialis Cynocrambe seu Phyllon.**

- P. 612, 1. *Mercurialis testiculata* sive mas, et 2, femina Dioscoridis et Plinii, C. B. P. Cited Hort. Cliff. 461. *Mercurialis annua* L.
- 613, 3 and 4. *M. montana testiculata*, et *spicata*, C. B. P. Cited Hort. Cliff. 461. *M. perennis* L.
5. *Phyllon testiculatum*, et 6, *P. spicatum*, C. B. P. Cited Hort. Cliff. 461. *M. tomentosa* L.

De Pentapetalis.

CAPUT XLII. **Eupatorium Graecorum seu Agrimonia.**

- P. 614, 1. *Eupatorium veterum* seu *Agrimonia inodora* . . . nobis. Cited Hort. Cliff. 179. *Agrimonia Eupatoria* L.
2. *E. odoratum Santonense* . . . nobis. The name suggests *A. odorata* Mill., but the specimen is *A. Eupatoria* L., *teste* Dr. Bucknall.
- 615, 3. *E. maxime odoratum*, nobis. The name suggests *A. odorata* Mill. The specimen is *A. Eupatoria* L., *teste* Dr. Bucknall.
4. *Agrimonia similis* planta, C. B. P. Cited Hort. Cliff. 179. *Agrimonia Agrimonoides* L. (*Aremonia*, Necker).

De Plantis Floribus Muscosis.

CAPUT XLIII. **Sanicula.**

- P. 616, 1. *Sanicula officinarum*, C. B. P. Cited Hort. Cliff. 88. *Sanicula europaea* L.

De Dipetalis.

CAPUT XLIV. **Solanifolia.**

- P. 617, 1. *Solanifolia Circaea dicta major*, C. B. P. *Circaea lute-tiana* L.
2. *S. Circaea Alpina*, C. B. P. *C. alpina* L.

PLANTARUM HISTORIAE OXONIENSIS

PARS III.

SECTIO VI. DE PLANTIS CORYMBIFERIS SEU CORYMBOSIS.

Plantae Corymbosae.

CAPUT I. Tanacetum.

- P. 2, 1. *Tanacetum vulgare luteum*, C. B. P. Cited Hort. Cliff. 398.
Tanacetum vulgare L.
2, 2. *T. foliis crispis*, C. B. P. *T. vulgare* L. var. *crispum* DC.

Plantae Corymbiferae.

CAPUT II. Balsamita.

- P. 3, 1. *Balsamita major*, Brunfel. Flowerless specimens. Cited Hort. Cliff. 398. *Chrysanthemum Balsamita* L.
2. *B. minor*, Dod. Cited, but with inaccurate reference, Sp. Pl. 897. *Achillea Ageratum* L.

CAPUT III. Draco Herba seu Tarchon.

- P. 3. *Draco Herba*, Dod. *Artemisia Dracunculus* L.

CAPUT IV. Ambrosia.

- P. 4, 1. *Ambrosia hortensis lanuginosa*, Nobis. Cited Hort. Cliff. 443.
Ambrosia maritima L.
2. *A. Virginiana elatior*. Cited Sp. Pl. 988. *A. elatior* L.
3. *A. Malabarica Artemisiae folio* . . . Hort. Mal. *Parthenium Hysterophorus* L.
4. *A. major inodora Marrubii* . . . D. L. Pluknet. No specimen. Cited Sp. Pl. 988 for *Ambrosia artemisiifolia* L.
5. *A. Virginiana maxima Platani Orientalis folio*. Cited Sp. Pl. 987. *A. trifida* L.

CAPUT V. Artemisia.

- P. 5, 1. *Artemisia latifolia vulgaris major*, C. B. P. Cited Hort. Cliff. 404. *Artemisia vulgaris* L.; also specimens with variegated leaves.

2. *A. Chinensis*, cujus mollugo Moxa dicitur, D. D. L. Pluknet. *From Fort St. George. An Moxa*, from Du Bois. **A. vulgaris** L. var. **indica** (Willd.). Not the true *A. Moxa* DC., a Chinese species. Moxa was used as a tinder to burn the skin causing a blister, with or without a cupping glass.
- 6, 4. *A. tenuifolia*, Dod. **A. campestris** L.

CAPUT VI. **Absinthium.**

- P. 7, 1. *Absinthium vulgare majus*, J. B. Cited Hort. Cliff. 404. **Artemisia Absinthium** L.
2. *A. insipidum Absinthio vulgari simili*, C. B. P. **A. Absinthium** L. var. **insipidum** DC.
3. *A. arborescens*, Lob. **A. arborescens** L.
4. *A. Alpinum vel commune minus*, Gesn. Hort. Cited Hort. Cliff. 403. **A. campestris** L.
5. *A. maritimum Lavendulae folio*, C. B. P. Cited Sp. Pl. 849. **A. caerulescens** L.
6. *A. tenuifolium . . . Monomotapense, Breynii.*
Imperfect specimen, probably **A. Herba-alba** Asso.
7. *A. Santonicum Alexandrinum*, C. B. P. **Achillea Santolina** L.
- 8, 13. *A. Santonicum Aegyptiacum*, C. B. P. **Achillea aegyptiaca** L.
14. *A. tenuifolium corymbis aequalibus seu compactis*, Nobis. **Tanacetum annuum** L., teste J. Hutchinson.
15. *A. Ponticum vulgare . . .* J. B. Cited Hort. Cliff. 404. **Artemisia pontica** L.
16. *A. Austriacum tenuifolium*, J. B. **Artemisia austriaca** Jacq.
- 9, 22. *A. Seriphium Belgicum*, C. B. P. **Artemisia maritima** L.
23. *A. Seriphium Gallicum*, C. B. P. Imperfect sp. of **Artemisia** sp.

CAPUT VII. **Abrotonum.**

- P. 11, 1. *Abrotonum mas vulgare*, Fuchsii. Cited Hort. Cliff. 403. **Artemisia Abrotonum** L.
4. *A. mas angustifolium viridius et tenuius*, Chalep. From Aleppo. **A. crithmifolia** L., teste J. Hutchinson.
6. *A. inodorum foliis Crithmi lucidis obscure virentibus*, Schola Bot. Paradis. No specimen. Cited Sp. Pl. 846 for **A. crithmifolia** L.
8. *A. odoratum humile*, Lugd. **A. crithmifolia** L., teste J. Hutchinson.
12. *A. foemina foliis teretibus* C. B. P. No specimen. Cited Hort. Cliff. 397. **Santolina Chamaecyparissus** L.
- 12, 13. *A. foemina villosis et incanis foliis* C. B. P. **S. rosmarinifolia** L. var. **canescens** Boiss.

17. A. foemina odore unctuosus, C. B. P. *Chamaecyparissus unguentaria* J. B. (tab. 3). S. *Chamaecyparissus* L., teste J. Hutchinson.
18. A. foemina foliis Cupressi, C. B. P. S. *Chamaecyparissus* L.
20. A. foemina foliis Rosmarinis majus C. B. P. Cited Sp. Pl. 842. S. *rosmarinifolia* L.
22. A. foemina viride, C. B. P. Cited Sp. Pl. 842, S. *rosmarinifolia* L. = S. *rosmarinifolia*, L. var. *vulgaris* Boiss. (Willkomm & Lange, Prod. Fl. Hisp. ii. 81). The specimen is a glabrous form.

CAPUT VIII. *Caltha sive Calendula, etc.*

- P. 13, 1. *Caltha flore simplici*, J. B. (et No. 2 flore pleno). *Calendula officinalis* L.
- 14, 5. C. *prolifera maioribus et minoribus floribus*, C. B. P. A hen and chicken form of *Calendula officinalis* L. In Hort. Cliff. 425, figs. 1-3-4-5 and 6 are cited under no. 1.
6. C. *arvensis*, C. B. P. *Calendula arvensis* L.
8. C. . . . *Africana flore intus albo, extra ferrugineo*. Cited Sp. Pl. ed. ii. 1304. *Calendula pluvialis* L. = *Dimorphotheca pluvialis* Moench.

CAPUT IX. *Chrysanthemum seu Bupthalmum.*

- P. 15, 1. *Chrysanthemum segetum vulgare glaucum*, Nobis. Cited Sp. Pl. 890. *Chrysanthemum segetum* L.
- 16, 2. C. *segetum nostras folio glauco . . .* D. L. Pluk.
3. C. *Creticum foliis viridibus profundius laciniatis*, Nobis. Nos. 2 and 3 cited Sp. Pl. 890. *C. coronarium* L.
4. C. *Creticum mixtum*, Eyst. *C. coronarium* L. One specimen is *partim candido partim luteo*. Another a monstrous condition in which the ray-florets are tubular; and yet another *sulphureo magno flore*.
7. C. . . . *tenuifolium . . .* J. B. Cited Hort. Cliff. 414. *Anthemis valentina* L. = *Anacyclus radiatus* Lois. (non *Anacyclus valentinus* L.).
8. C. *ferulaceum Valentinum . . . nobis*. *Anacyclus valentinus* L.
10. C. *Africanum erectum Tanaceti folio, flore simplici . . . nobis*. *Tagetes* sp.
11. C. . . . *flore pleno . . . nobis*. Cited Hort. Cliff. 418. *Tagetes erecta* L.
12. C. . . . *petalis florum fistulosis*. *Tagetes erecta* L. forma.
13. C. *Africanum Tanaceti folio procumbens, . . . nobis*. Cited Hort. Cliff. 418. *Tagetes patula* L.

- 17, 20. *Chrysanthemum Cannabinum bidens* . . . nobis. Cited Hort. Cliff. 399. *Bidens tripartita* L.
21. C. . . . Americanum. . . . Cited Sp. Pl. 832. *B. frondosa* L.
22. C. . . . foliis integris oblongis, nobis. *B. cernua* L.
23. C. aquaticum bidens . . . Lelii Triumphetti. No Specimen. Cited Sp. Pl. 909 for *Coreopsis Bidens* L. = *B. cernua* L., f. *radiata*.
24. C. Cannabinum bidens Virginianum Cicutariae foliis. . . . Cited Sp. Pl. 833. *B. bipinnata* L.
- 18, 26. C. *Conyzoides foliis circa florem rigidis*, nobis. Cited Hort. Cliff. 415. *Buphthalmum spinosum* L. = *Pallenis spinosa* Cass.
27. C. *Conyzoides cernuum foliis circa florem mollibus*, nobis. Cited Sp. Pl. 860. *Carpesium cernuum* L.
28. C. *Ragusinum folio Verbasci*. Leaves only. *Inula candida* Cass., teste J. Hutchinson.
29. C. *Conyzoides supinum Monspeliense*. *Odontospermum maritimum* Sch. Bip.
30. C. *Conyzoides odoratum Creticum*, nobis. Bad specimen. Cited Hort. Cliff. 414. *Buphthalmum aquaticum* L. = *O. aquaticum* Sch. Bip.
- 19, 31. C. *Conyzoides palustre minus flore globoso*, nobis. Cited Hort. Cliff. 405. *Inula Pulicaria* L. = *Pulicaria prostrata* Aschers.
35. C. *Hispanicum Bellidis folio ramosum*, D. L. Pl. *Chrysanthemum Myconis* L.
36. C. *Bellidis folio non ramosum*, nobis. *C. Myconis* L.
37. C. *annuum majus Virginianum*. . . . Cited Sp. Pl. 901. *Rudbeckia triloba* L.
38. C. *Indicum maximum annuum* . . . nobis. No specimen. Cited Hort. Cliff. 419. *Helianthus annuus* L.
- 20, 40. C. *foliis longis ferulaceis*. . . . *Coreopsis angustifolia* Ait., teste J. Hutchinson.
41. C. *perenne brevioribus et incanis foliis* . . . nobis. Cited Hort. Cliff. 414. Probably *Anthemis tinctoria* L.
42. C. *perenne Tanaceti foliis alatis* . . . nobis. The specimen appears to be *A. Triumphetti* All. = *A. austriaca* Jacq. (I. K.).
43. C. *Oriente Cotulae folio ampliore*, nobis. *Chrysanthemum coronarium* L. var., teste J. Hutchinson.
- 21, 44. C. *Ericoides Capitis Bonae spei*, Brey. Cent. 1. *Staavia radiata* Dahl.
45. C. *Virginianum folio auctiore laevi trifoliato*. . . . Cited Sp. Pl. 908. *Coreopsis tripteris* L.
46. C. *Virginianum trifoliatum humilium* . . . Cited (f. 45) Sp. Pl. 908. *Coreopsis auriculata* L.

48. *C. perenne* *Gnapbaloides maritimum*, nobis. Cited Sp. Pl. ed. ii. 1182. *Athanasia maritima* L. = *Diotis maritima* Cass.
52. *C. Madraspatanum* . . . D. L. Pluk. Fragmentary specimen. ***Eclipta alba*** Hassk., teste J. Hutchinson.
53. *C. perenne minus* *Salicis folio*. . . Cited Sp. Pl. (f. 52) 904, *Buphthalmum grandiflorum* L. = ***B. salicifolium*** L.
- 22,55. *C. Americanum perenne* . . . nobis. Cited Sp. Pl. (f. 53) 906. ***Rudbeckia laciniata*** L.
56. *C. Americanum perenne foliis magis dissectis*. . . Cited Sp. Pl. (t. 54) 906. ***R. laciniata*** L.
57. *C. perenne majus Virginianum Platani Orientalis folio*. No specimen. Cited Sp. Pl. (f. 55) ed. ii. 1303 for *Polymnia Uvedalia* L.
- 23,59. *C. perenne majus* . . . *Americanum tuberosum*, nobis. Leaf only. Cited Hort. Cliff. 419 and Bot. Mag. t. 7545. ***Helianthus tuberosus*** L.
61. *C. Americanum majus perenne floris solis*. . . Cited Sp. Pl. ed. ii. 1277 and Bot. Mag. t. 227. *Helianthus multiflorus* L. = ***H. decapetalus*** L.
62. *C. Virginianum latifolium* . . . *majus*. Probably ***H. scaberri-
mus*** Ell. (*H. rigidus* Desf. I. K.).
63. *C. Virginianum latifolium* . . . *minus*, nobis. Probably ***H. sca-
berrimus*** Ell.
65. *C. Helenii folio* . . . D. Pluk. Leaves only. Cited Sp. Pl. 907 for ***Rudbeckia hirta*** L.
66. *C. Virginianum repens*. . . Cited Sp. Pl. 906. ***Helianthus divaricatus*** L.
67. *C. Canadense latifolium altissimum*, Moris. Praelud. Bot. No specimen. Cited Sp. Pl. 905 for ***H. strumosus*** L.
68. *C. Canadense latifolium humilius*, Moris. Praelud. Bot. ***Hel-
enium autumnale*** L., teste J. Hutchinson.
69. *C. Canadense Rapunculi radice* . . . H. L. Bat. Cited Hort. Cliff. 420. ***Helianthus strumosus*** L.
- 24,70. *C. Virginianum elatius* . . . ***H. giganteus*** L.
71. *C. Virginianum altissimum angustifolium*. . . Cited Sp. Pl. 906 (f. 67) and Bot. Mag. t. 7555. ***H. giganteus*** L.
72. *C. Virginianum foliis asperis*. . . Cited Sp. Pl. 920 (f. 68). ***Silphium trifoliatum*** L.
73. *C. Virginianum foliis glabris*. . . Cited Sp. Pl. 904 (f. 69). *Buphthalmum Helianthoides* L. = *Heliopsis laevis* Pers. = ***H. Helianthoides*** Sweet.
80. *C. Madraspatanum Oxyacanthae foliis* . . . D. Pluk. ***Wedelia calendulacea*** Less., teste J. Hutchinson.
- 25,83. *C. Virginianum alato caule bidens altissimum* . . . nobis. Cited Sp. Pl. 909. *Coreopsis alternifolia* L. = *Actinomeris squarrosa* Nutt. = ***A. alternifolia*** DC., confirmed by J. Hutchinson.

84. *C. Virginianum* alato caule bidens ramosius. **A. alternifolia** DC., teste J. Hutchinson.
87. *C. Curassavicum* alato caule. . . Cited Hort. Cliff. 411. **Verbesina alata** L.
- sub 88. **Chrysanthemum ex Insulis Charibeis** . . . D. L. Plukenet. No specimen. Cited Sp. Pl. ed. ii. 1273 for *Buphthalmum frutescens* L. = **Borrichia frutescens** DC.

CAPUT X. **Adonis Flore Luteo.**

- P. 26, 1. *Adonis praecox* perennis flore luteo . . . nobis. Cited Hort. Cliff. 231. **Adonis vernalis** L.

Distributio Secunda: De *Eranthemis*, seu floribus rubris praeditis.

CAPUT XI. **Adonis, seu Flos Adonidis.**

- P. 27, 1. *Adonis aestivalis* flore minore ruberrimo, nobis. No specimen. Fig. 1. Cited DC. Syst. i. 222 for *A. autumnalis* L. = **A. annua** L.
2. *A. sylvestris* flore phoeniceo . . . C. B. P. Very young specimen. Cited Hort. Cliff. 231. **A. annua** L.
3. *A. tenuissimo folio*, flore minimo. . . Cited DC. Syst. 224. **A. aestivalis** L.

Distributio Tertia: De *Leucanthemis*.

CAPUT XII. **Bellis, etc.**

- P. 28, 1. *Bellis polyclonos sylvestris* major . . . nobis. Cited Hort. Cliff. 416. **Chrysanthemum Leucanthemum** L.
- 29, 2. *B. Pyrenaica* latissimo folio. . . Schol. Bot. Par. *Leucanthemum subglaucum* De Laramb., *testibus* Bucknall and White = **C. pallens** J. Gay 1833.
4. *B. Alpina* major rigido folio, C. B. P. From Monte Baldo. **C. Leucanthemum** L., corroborated by J. Hutchinson.
11. *B. major* radice repente . . . D. Moris. Praelud. Bot. No specimen. Cited Sp. Pl. 888 for **C. serotinum** L.
16. *B. major spinosa* petalis carens sive nuda, Park. Cited Sp. Pl. 890. **C. fosculosum** L.
- 30, 18. *B. Tanaceti* foliis minor . . . nobis. *Leucanthemum corymbosum* Gren. and Godr., *testibus* Bucknall and White, = **C. corymbosum** L.
19. *B. Tanaceti* folio major et elatior . . . nobis. **C. corymbosum** L., teste J. Hutchinson
20. *B. perennis* *Matricariae* folio, nobis. **Achillea macrophylla** L.

22. *B. major Americana frutescens* . . . nobis. 'In hybernacula Horti Regii Hamptoniensis luxuriat, et perpetuo fronde viret.' *Bidens pilosa* L.
23. *B. polyclonos annua Africana Coronopi folio* . . . nobis. Cited Sp. Pl. ed. ii. 1182. *Athanasia annua* L. = *Lonas inodora* Gaertn. (I. K.) = *Lonas annua* (L.).
24. *B. annua capitulo aphylo luteo*, H. L. Bat. Cited Sp. Pl. 892. *Cotula coronopifolia* L.
26. *B. monoclonos media montana*, nobis. *Bellis sylvestris* Cyrill.
- 31, 29. *B. minor pratensis seu vulgaris* Dod. Cited Hort. Cliff. 418. *B. perennis* L.
30. *B. minor hortensis flore pleno* . . . C. B. P. Red and variegated double-flowered form of the Garden Daisy, *B. hortensis* Mill.
31. *B. minor hortensis prolifera*, Cam. 'Hen and Chicken' form of the Garden Daisy. *B. hortensis* Mill.
33. *B. minima annua*, Triumfetti. *B. annua* L.

CAPUT XIII. *Matricaria seu Parthenium.*

- P. 32, 1. *Matricaria vulgaris*, C. B. P. Cited Hort. Cliff. 416. *Matricaria Parthenium* L. = *Chrysanthemum Parthenium* Bernh.
2. *M. bullatis floribus sive nuda*, Hort. Reg. Bles. Discoid form of *C. Parthenium* Bernh.
Also var. 5 *florum petalis fistulosis simplex*.
4. *M. marina seu Parthenium marinum*, Adv. Lob. *M. maritima* L., teste J. Hutchinson.
5. *M. inodora*, C. B. P. Bad specimen. ? *M. inodora* L.
- 33, 8. *M. Indica latiore folio* . . . Tsjetti, Hort. Mal. Cited Sp. Pl. 889. *Chrysanthemum indicum* L. var. β = *C. sinense* Sabine, teste J. Hutchinson.

CAPUT XIV. *Pyrethrum.*

- P. 33. *Pyrethrum corymbiferum flore Bellidis*, nobis. Cited Hort. Cliff. 414. *Anthemis Pyrethrum* L. = *Anacyclus Pyrethrum* DC.

CAPUT XV. *Chamaemelum.*

- P. 35, 1. *Chamaemelum odoratissimum repens flore simplici*, J. B. Cited Hort. Cliff. 415. *Anthemis nobilis* L.
2. *C. repens odoratissimum perenne flore multiplici*, J. B. *A. nobilis* L. *flore pleno*.
3. *C. luteum capitulo aphylo*, C. B. P. *A. nobilis* L. var. *discoidea*.

7. *C. Canariense ceratophyllum fruticosius . . . Bellis Canariensis frutescens, foliis crassis, Pyrethri sapore, D. Sherard.* (Cultivated in Hort. Ox. prior to 1699.) Cited Sp. Pl. 888. **Chrysanthemum frutescens** L.
8. *C. vulgare leucanthemum, Dioscoridis, C. B. P.* Cited Hort. Cliff. (fig. 7) 415. **Matrioaria Chamomilla** L.
9. *C. serotinum annuum, nobis.* Also *flore pleno* and *flore duplici aut triplici petalorum serie donato.* **M. inodora** L.
- 36, 11. *C. annuum praecox faetidum . . . nobis.* **Anthemis Cotula** L.
12. *C. annuum ramosum. . . .* No specimen. Cited Sp. Pl. 893 for **A. Cota** L.
13. *C. ramosius lanuginosum . . . nobis.* **A. Cota** L., teste J. Hutchinson.
15. *C. inodorum annuum humilius. . . .* Cited Sp. Pl. ed. ii. 1253 for **Chrysanthemum inodorum** L. = **Matricaria inodora** L.
The specimen is **Anaocyclus radiatus** Lois., teste J. Hutchinson.
16. *C. Africanum annuum . . .* **Matricaria capensis** L., teste J. Hutchinson.
17. *C. Aethiopicum lanuginosum Breyn. Cent. 1.* Cited Sp. Pl. 892 (f. 14). **Cotula turbinata** L. = **Cenia turbinata** Pers.
18. *C. annuum ramosum Coronopi folio flore mixto, nobis.* Cited Sp. Pl. 894. **Anthemis mixta** L.
Also another sheet which is **A. mixta** L. var., a garden specimen so named in Herb. Kew., teste J. Hutchinson.

CAPUT XVI. **Millefolium.**

- P. 38, 1. **Millefolium Canadense elatius flore albo, Schol. Bot. Paris.**
Achillea Millefolium L. var. **americana.**
3. **M. Tanaceti foliis flore albo, D. Morison, Praelud. Bot.**
A. tanacetifolia All.
4. **M. nobile & Statioetes vera, Trag.** Cited DC. Prod. v, p. 26.
A. nobilis L.
6. **M. vulgare album, C. B. P. A. Millefolium** L.
Also a sheet **Millefolium humile Cambro-Britannicum odore Tanacetii.** This was found by my worthy friend Mr. Fowke . . . below the rock *Lin Dhu* and the poole as you ascend *Widra* (Snowdon, Dr. Richardson). **A. Millefolium** L. var.
7. **M. odoratum minus Monspeliensium, Hort. Reg. Bles.**
A. odorata L.
- 39, 11. **M. Alpinum incanum specioso flore, J. B. Chab.** No specimen.
Cited Sp. Pl. 899 for **A. nana** L.
12. **M. Incanum Creticum . . . nobis.** Flowerless specimen.
A. cretica L.
14. **M. purpureum majus, C. B. Pet. Prod.** **A. tanacetifolia** All. f. **rubra.**

16. *M. tomentosum luteum*, C. B. P. No specimen. Cited Hort. Cliff. 413. *A. tomentosa* L.
20. *Millefolium affinis Madraspatana*. No specimen. Cited Sp. Pl. 629 and Aiton Hort. Kew. iii. 431 (1811) for *Selago corymbosa* L.

CAPUT XVII. **Dracunculus seu Ptarmica.**

- P. 40, 1. *Dracunculus pratensis viridis sive Ptarmica vulgaris*, nobis. Cited Hort. Cliff. 412. *Achillea Ptarmica* L.
2. *D. pratensis flore pleno*, C. B. P. *A. Ptarmica* L. *flore pleno*.
3. *D. pratensis alter Alpinus foliis Agerati*, Schol. Bot. Par. Probably *A. alpina* L.
4. *D. Alpinus latiore folio serratus*, Schol. Bot. Par. Probably *A. alpina* L.
5. *D. argenteus*, sive *Ptarmica incana humilis*. . . Hort. Lugd. Bot. Cited Sp. Pl. 898. *Achillea Clavennae* L.
- 41, 7. *D. argenteus*, sive *Ptarmica Alpina humilis alatis foliis*, nobis. Probably *A. atrata* L.
9. *D. latifolius*, sive *Ptarmica Virginiana folio Helenii*, D. Moris. Cited Sp. Pl. ed. ii. 1402. *Parthenium integrifolium* L.

CAPUT XVIII. **Ageratum.**

- P. 42, 1. *Ageratum folio angustiore serrato, flore albo*, nobis. *Achillea Ptarmica* L., teste J. Hutchinson.

Distributio Quarta: Floribus Ianthemis seu violaceis.

CAPUT XIX. **Dracunculus Virginianus, etc.**

- P. 42, *Dracunculus Virginianus* . . . nobis. Cited Sp. Pl. 907 and Bot. Mag. t. 2. *Rudbeckia purpurea* L.

CAPUT XX. **Xeranthemum seu Xeranthemoides.**

- P. 43, 1. *Xeranthemum Oleae folio, capitulis simplicibus, incanum foetens* . . . nobis. Cited Sp. Pl. 858. *Xeranthemum annuum* L. var. *inapertum* L. = *X. inapertum* Mill.
2. *X. . . non foetens* . . . nobis. Cited Sp. Pl. 857. *X. annum* L.
3. *X. . . petalis rigidis et pungentibus Halebense*. Seeds from Syria. *Chardinia xeranthemoides* Desf.

CAPUT XXI. **Scabiosa.**

- P. 45, 1. *Scabiosa major communior hirsuta folio laciniato*, J. B. No specimen. Cited Hort. Cliff. 31. *Scabiosa arvensis* L.
2. *S. . . folio non laciniato*, J. B. No specimen. *S. arvensis* L. f. *integrifolia* (Roth).

3. *Scabiosa latifolia rubro flore*, J. B. Probably *S. sylvatica* L.
4. *S. Virgae pastoris folio*, C. B. P. *Knautia sylvatica* Duby, *testibus* Bucknall and White: = *S. sylvatica* L.
7. *S. pratensis nostras praemorsa radice, nobis*. Cited Hort. Cliff. 30. *S. Succisa* L.
- 46, 10. *S. Alpina foliis Centaurii majoris*, C. B. P. Cited Hort. Cliff. 30. *S. alpina* L. = *Cephalaria alpina* Schrader.
11. *S. glabra foliis rigidis viridibus*, J. B. Chabr. *S. transylvanica* L. = *Cephalaria transylvanica* Schrader, *testibus* White and Bucknall.
12. *S. montana calidarum regionum major*, Adv. Lob. *Scabiosa leucantha* L. = *Cephalaria leucantha* Schrad., *testibus* White and Bucknall.
13. *S. altissima annua foliis Agrimon. . . Herm.* Cited Sp. Pl. 98 and Aiton Hort. Kew. i. 223. *Scabiosa transylvanica* L. = *Cephalaria transylvanica* Schrader.
14. *S. fruticans latifolia alba*, C. B. P. Cited Sp. Pl. 99 and Aiton l. c. *S. syriaca* L. = *Cephalaria syriaca* Schrader.
- 47, 15. *S. annua integrifolia, sive foliis Bellidis, Magnol.* Specimen too imperfect to name with certainty: 'Cf. *S. Columbaria* L.' W. B. Turrill and Dr. Stapf.
16. *S. Conyzoides Americana latifolia . . . Paradis. Bat. Prod.* Cited Sp. Pl. 1272. *Verbesina alba* L. = *Eclipta erecta* L. (I. K.) = *E. alba* Hassk.
17. *S. Conyzoides Americana angustifolia . . . Par. Bat. Prod.* Cited Sp. Pl. 1272. *Verbesina alba* L. = *Eclipta erecta* L. = *E. alba* Hassk.
18. *S. glabra carnosis foliis virentibus . . . J. B. S. Columbaria* L., queried by Bucknall and White as var. *sub-alpina* Brugg.
20. *S. capitulo globoso major*, C. B. P. No specimen. Cited Hort. Cliff. 31. *S. Columbaria* L.
- 48, 21. *S. minor vulgaris*, J. B. Cited Hort. Cliff. 31. *S. Columbaria* L.
23. *S. multifido folio flore flavescente*, C. B. P. Leaves only. Cited Sp. Pl. 101. *S. ochroleuca* L.
25. *S. capitulo globoso . . . C. B. P. Ex Aleppo.* Leaves only. 'Cf. *Scabiosa gramuntia* L.' Dr. Stapf and W. B. Turrill.
26. *S. peregrina rubra capitulo oblongo*, C. B. P. Cited Hort. Cliff. 31. *S. atropurpurea* L. = *S. maritima* L. var. *atropurpurea* (L.).
27. *S. Indica prolifera folio latiore*, C. B. P. A proliferous form of the foregoing from *Hort. Edinb.*
28. *S. Indica dupliciter prolifera, Muntingii.* The same, with the capitular branches 9 inches long.
29. *S. maritima parva*, J. B. Chabr. ? *S. ucranica* L.

- 49, 31. *S. arborea* Cretica Alpino, Park. Cultivated in Hort. Oxon. 'Semina raro maturescunt.' Cited Sp. Pl. 100 for *S. cretica* L; but while the first of the specimens is of that species, the flowers are those of *Callistemma brachiatum* Sibth., teste Dr. Stapf.
33. *S. Africana arborescens minor*, Par. Bot. Prod. Leafy rosette only of *Scabiosa* sp.
36. *S. argentea angustifolia*, C. B. P. et Prod. *S. graminifolia* L.
38. *S. foliis dissectis, flore amplo* . . . Moris. Praelud. Bot. *S. maritima* L., *testibus* White and Bucknall.
- 50, 39. *S. Hispanica major*, Clus. Cited Hort. Cliff. 31. *S. stellata* L.
40. *S. Hispanica minor*, Clus. *S. stellata* L.
43. *S. Bellidis folio humilis* . . . nobis. Cited Sp. Pl. 140 for *Globularia nudicaulis* L.; the specimen is, however, *G. cordifolia* L.
44. *S. Bellidis folio humilis* . . . radice repente . . . nobis. Cited Sp. Pl. 96. *G. cordifolia* L.
- 51, 45. *S. Bellidis folio Pyrenaica minima, nobis*. No specimen. Cited Sp. Pl. l. c. for *G. cordifolia* L. var. β .
46. *S. Bellidis folio humilis, Globularia dicta, nobis*. Cited Hort. Cliff. 490. *G. vulgaris* L.
48. *S. Bisnagarica, sive Globularia frutescens rigidis foliis* . . . D. L. Pluknet. Cited Sp. Pl. 96. *G. bisnagarica* L. = *G. vulgaris* L. var. *bisnagarica* (L.).

SECTIO VII. DE PLANTIS STELLATIS LACTESCENTIBUS NON PAPPISIS ET PAPPISIS; PAPPISIS NON LACTESCENTIBUS.

Distributio: De Plantis stellatis lactescentibus non pappis.

CAPUT I. *Intybus sive Endivia*.

- P. 53, 2. *Intybus sativa latifolia, sive Endivia vulgaris*, C. B. P. Cited Hort. Cliff. 389. *Cichorium Endivia* L.
3. *I. crispata*, Matth. *C. Endivia* L. var. *crispum*.
4. *I. sive Endivia lutea verrucaria, nobis*. Cited Hort. Cliff. 390. *Lapsana Zacintha* L. = *Zacintha verrucosa* Gaertn.
5. *I. . . lutea humilis stellato semine, nobis*. *Lapsana stellata* L. = *Rhagadiolus edulis* Gaertn. (I. K.) = *R. stellatus* Gaertn.
6. *I. . . lutea . . . semine adunco, nobis*. *Hyoseris Hedypnois* L. = *Rhagadiolus Hedypnois* All.
7. *I. . . lutea minor, et humilior . . . ? Rhagadiolus creticus* All. = *R. Hedypnois* All. var. *creticus* (All.).
8. *I. . . lutea minima . . . nobis*. Cited Hort. Cliff. 386. *Arno-seris pusilla* Gaertn. = *A. minima* Schw. & Koertn.

- 54, 9. I. . . . erecta lutea Napifolia, Lampsana dicta, nobis. Cited Hort. Cliff. 389. **Lapsana communis** L.

CAPUT II. **Cichorium.**

- P. 55, 1. **Cichorium sativum**, C. B. P. **Cichorium Intybus** L. f. **sativum**; also *flore albo*.
 2. C. Sylvestre sive officinarum, C. B. P. Cited Hort. Cliff. 389. **C. Intybus** L.
 3. C. spinosum, Matth. Cited Hort. Cliff. 388. **C. spinosum** L.
 4. C. caeruleum, Coronopi foliis angustis . . . nobis. Cited Hort. Cliff. 390. **Catananche caerulea** L.
 7. C. luteum Scolymoides . . . Narbonense, nobis. **Scolymus hispanicus** L.
 8. C. luteum Scolymoides . . . siculum . . . nobis. Bad specimen, but probably **S. grandiflorus** or **hispanicus**.
 9. C. luteum Scolymoides . . . Hispanicum annuum, nobis. **S. maculatus** L.

Distributio Secunda: De Lactescentibus pappis.

CAPUT III. **Lactuca.**

- P. 57, 1. **Lactuca sativa**, C. B. P. Cited Sp. Pl. 113. Nos. 1-14 are cultivated forms of **Lactuca sativa** L.
 58, 15. L. sylvestris annua costa spinosa . . . nobis. Cited Sp. Pl. ed. ii. 1119 for L. Scariola var. γ ; the specimen is probably **L. virosa** L., but it is immature and imperfect.
 16. L. sylvestris Opii odore . . . viroso, Adv. Lob. Cited Sp. Pl. 795. **L. virosa** L.
 17. L. sylvestris laciniata, Park. Cited Sp. Pl. ed. ii. 1119. **L. Scariola** L. (L. Serriola L., Amoen. iv, Cent. Pl. ii. 1756)
 18. L. sylvestris annua costa spinosa, folio angustissimo glauco, nobis. **L. saligna** L.
 21. L. sylvestris perennis lutea juncea . . . nobis. Very imperfect; perhaps (as Bauhin's synonym suggests) **Chondrilla juncea** L.
 59, 22. L. montana perennis purpureocaerulea major, C. B. P. Cited Hort. Cliff. 383. **Prenanthes purpurea** L.
 23. L. . . . minor, C. B. P. See Hort. Cliff. 383. **P. purpurea** L.
 25. L. perennis purpureo caerulea laciniata angustiore folio, nobis. **L. perennis** L., teste J. Hutchinson.

CAPUT IV. **Sonchus.**

- P. 60, 1. **Sonchus laevis laciniatus latifolius**, C. B. P. Cited Hort. Cliff. 384. **Sonchus oleraceus** L.
 3. S. laevis in plurimas tenuissimas lacinias divisus, C. B. P. et Prod. **S. tenerrimus** L.

4. *S. Africanus* flore luteo amplo, fundo purpureo, nobis. A cultivated form of *Pioridium tingitanum* Desf. (*Reichardia tingitana* Roth nom. prius.)
5. *S. Madraspatanus* Lampanae foliis. Hort. Mal. Part 10, p. 135. *Ex India Orient. D. Du Bois, Povey Chedde. Emilia sonchifolia* DC., teste J. Hutchinson.
6. *S. asper* non laciniatus, C. B. P. Park. **S. asper** Hill.
- 61, 9. *S. asper* laciniatus, C. B. P. **S. asper** Hill var. **laciniatus** Lej.
10. *S. laciniatus* Creticus amarus . . . nobis. Cited Hort. Cliff. 382. *Tragopogon picroides* L. = **Urospermum picroides** F. W. Schmidt.
- 61, 12. *S. paludosus* altissimus . . . nobis. Cited Hort. Cliff. 385. **S. palustris** L.
13. *S. Hieracites* major repens . . . nobis. Cited Hort. Cliff. 384. **S. arvensis** L.
14. *S. angustifolius* maritimus, C. B. P. et Prod. **S. maritimus** L.
15. *S. laevis* laciniatus muralis . . . C. B. P. Cited Hort. Cliff. 383. *Prenanthes muralis* L. = **Lactuca muralis** Gaertn.

CAPUT V. **Hieracium.**1. *Hieracia seminibus longioribus, annua.*

- P. 63, 1. *Hieracium* annuum glabrum squamoso calyce . . . nobis. **Hypochoeris glabra** L.
3. *H. Dentis Leonis* folio, folio suaverubente, C. B. P. **Crepis rubra** L.
 4. *H. luteum* Cichorii sylvestris folio . . . nobis. Cited Sp. Pl. ed. ii. 1133. **C. foetida** L.
 5. *H. annuum* elatius cichoraceis foliis hirsutis. **C. biennis** L. Note by Buddle: *I like your name & specimen very well. It is ye Hier. Chondrillae folio hirsutum C. B. 127 wch you mention Hist. Ox. 66. This I find about Woolwich in Kent. Tis not ye Hier. luteum hirsutum I. B.*
Another sheet, from S. Dale, labelled *Hier. maximum asperum Chondrillae folio C. B. Raii Syn. (ii.) 73. 6*, with a note—*As I return'd from Oxford Anno 1709 I found this plant in the Par'ish of St. Paul's Walden in Hertfordshire.*
- 64, 6. *H. intybaceum* latifolium. . . . **C. setosa** Haller f., teste J. Hutchinson.
7. *H. minus* Dentis Leonis folio subaspero, C. B. P. *Leontodon hirtus* L. = **L. nudicaulis** Banks: the type specimen, from Shotover Hill, Oxon, of the species which Bobart added to the British Flora. Note by Buddle: *There are two sorts, one caule nudo ramoso & the other caule nudo ramoso, the first I take to be ye Hier. longius radiculatum Park. 790 & Ger. 208, ye other is the Dens Leonis minimus asper Turnf.*

Inst. 469, Dens Leonis pumilus saxatilis asper radice fibrosa Bobart Hist. Ox. Tab. 7 Sect. 7 (fig. 13), & cut again Tab. 8. Fig. 13 & called Hier. pumilum saxatile asperum praemorsa radice C. B. Prod. 66, occurrit frequentissime folio laciniato interdum integro.

2. *Hieracia sem. longior., perennia.*

8. *H. minus praemorsa radice*, Park. **Leontodon autumnalis** L.
 11. *H. Alpestre majus Endiviae planae foliis . . .*, **Hypochoeris maculata** L.
 13. *H. Hispanicum amplo Dentis Leonis flore patulo, nobis.* **Crepis blattaroides** Vill.
 65, 16. *H. Erucae folio hirsutum, J. B. Flowerless specimen, suggesting Leontodon hispanicus Poir.*
 17. *H. pulchrum ramosum Sprengerianum, J. B. Cited Sp. Pl. 804. Hieracium Sprengerianum L. = Picris Sprengeriana Poir.*
 20. *H. majus Cichorii . . . nobis. Scrap of Crepis sp. ?*
 21. *H. pratense vesicarium . . . nobis. C. vesicaria* L.
 24. *H. Montanum Rapifolium, C. B. P. Cited Sp. Pl. 805. C. vesicaria* L.
 66, 25. *H. montanum foliis dentatis flore magno, C. B. P. The imperfect specimen is glued down so as to cover the phyllaries; I think it is Hypochoeris maculata L.*
 28. *H. hedypnois Monspensulana . . . J. B. Bad specimen, probably Urospermum Dalechampii F. W. Schmidt.*
 29. *H. Dentis Leonis folio obtuso majus, C. B. P. Cited (fig. 27) Sp. Pl. 811. Hypochoeris radicata* L.
 30. *H. Chondrillae folio hirsutum, C. B. P. Leontodon autumnalis* L., with some of the leaves very deeply cut.

3. *Hieracia sem. brevioribus, annua.*

- 67, 31. *H. Chondrillae folio glabrum, C. B. P. Crepis virens* L. = **C. capillaris** Wallr.
 68, 34. *H. proliferum falcatum, C. B. P. Cited Hort. Cliff. 387 (fig. 32). Crepis barbata* L. = **Tolpis barbata** Gaertn.; another sheet *fl. albido* D. Rand is a poor specimen of the same, *teste* J. Hutchinson.
 35. *H. medio nigrum Baeticum majus, Clus. Cur. Tolpis barbata* Gaertn.
 37. *H. annuum Chondrillae folio, calyce barbato . . . Crepis setosa* Hall. f.
 39. *H. incanum lanuginosum Ragusinum . . . Herm. H. L. Bat. App. Urospermum picroides* F. W. Schmidt.

40. *H. annuum montanum fruticosius* . . . nobis. Cited Sp. Pl. ed. ii. 1134. *Crepis pulchra* L. var. β = **Phaecasium lampsanoides** Cass. (I. K.).
41. *H. echioides capitulis Cardui benedicti*, C. B. P. Cited Hort. Cliff. 387. **Picris Echioides** L.
42. *Hieracium Echioides capitulis Cardui benedicti, foliis profunde sinuatis*. Represented by a single radical leaf, labelled *Hierac. capit. Cardui ben. foliis glabris* D. Sherard; possibly **P. Echioides** L., teste J. Hutchinson.

4. *Hieracia sem. brev., perennia.*

- 69, 45. *H. Alpinum angustissimo oblongoque folio* C. B. Prod. 8. *Ex Hort. Putav. H. glaucum* All., testibus Bucknall and White. Another sheet, *H. folio integro, longo, angusto, acuminato, monanthes, Raii* Hist. 3, p. 144, cf. *Sonchus maritimus* L., teste J. Hutchinson.
46. *H. montanum latifolium glabrum majus* C. B. P. **Crepis blattaroides** Vill. Note by Buddle: *I like this plant because it represents to me a plant I have not yet seen viz. Hier. montanum Cichorei folio nostras* R. Syn. 72, let me know whether you have seen this.
47. *H. montanum latifolium minus* C. B. P. Cited Sp. Pl. 803. *Hieracium paludosum* L. = **C. paludosa** Moench. Also a leaf-specimen with the following note in Dr. Richardson's hand:—*Hier. montanum Chichorei folio, nostras* R. S. M. (Ray's Syn. p. 166) *in some moist meadows belonging to Ben: Ferrand Esqr. joyning upon his house nigh Bingley in Yorkshire in plenty, alsoe in a shady lane as you go from Ingleton to Clapham a little before you enter Clapham field, & in several other moist & boggy places of Craven.* Another sheet is labelled *Hier. montanum latifolium glabrum minus* C. B. P., and bears this note by Buddle:—*By Mr. Lhwyd's name at ye bottom this should be a Welsh one, if it be pray tell me so tho ye specimens are so indifferent I scarce know w^t to make of it. If it grow in Wales onely say in your answer y^t Hier. mont. latif. minus glab. C. B. is y^t.* The specimens are **Hieracium cambricum** F. J. Hanbury.
48. *H. asperum majore flore* . . . J. B. Buddle remarks: *In this we agree tho tis an indifferent specimen.* Cited Hort. Cliff. 387 (fig. 45), **Picris Hieracioides** L.

Omnes Hieracii species sequentes semina producunt brevia & nigra, pappo etiam brevi donata.

54. *H. rotundifolium Pyrenaicum amplexicaule*, Schol. Bot. Par. **Hieracium amplexicaule** L.
55. *H. phlomoides exoticum latifolium, foliis candida et densa lanugine obsitis, nobis. H. lanatum* Vill., testibus Bucknall and White,

56. *H. Alpinum latifolium hirsutum* . . . C. B. P. Cited Hort. Cliff. 385. *Hypochoeris maculata* L.
- 70, 57. *H. fruticosum latifolium hirsutum*, C. B. P. *H. vulgatum* Fries, *teste* F. J. Hanb. = *Hieracium sciaphilum* Uechtr. (Dichtl. I. K.) var. *transiens* Ley, *teste* Ley.
58. *H. latifolium hirsutum folio unico* . . . nobis. Cited Hort. Cliff. (fig. 54) 388. *H. murorum* L. *sensu lato*.
59. *H. fruticosum latifolium glabrum*, Park., with a note by Buddle. *H. murorum* L.
60. *H. murorum laciniatum* . . . C. B. P. *H. stenolepis* Lindeb.
62. *H. Alpinum latifolium villosum* . . . C. B. P. *Andryala integrifolia* L.
63. *H. fruticosum folio subrotundo*, C. B. P. *H. latifolium* Spreng., *testibus* Bucknall and White.
64. *H. λεπρόκαυλον hirsutum* . . . D. Lawson. R. Synop. [ed. iii, p. 169]. *H. anglicum* Fries.
66. *H. fruticosum Alpinum latifolium minore uno vel altero flore*, R. Syn. [ed. iii, p. 170]. *D. Llwyd*. A depauperate *H. tridentatum* Fr., *testibus* Bucknall and White.
- 71, 68. *H. sive Pulmonaria lutea* . . . J. B. *H. villosum* L.
69. *H. Sabaudum altissimum* . . . *H. boreale* Fries.
Buddle, to whom Bobart sent his Hieracia, says truly of this, 'I believe this is nothing but an overgrown plant of ye *H. fruticosum latifolium hirsutum* C. B. These fruticosa puzzle me very much.'
70. *H. fruticosum angustifolium majus*, C. B. P. Park. Cited Hort. Cliff. 387 (fig. 66). *H. umbellatum* L.

Plantae Pappescentes non Lactescentes.

CAPUT VI. **Chondrilla.**

- 72, 1. *Chondrilla foliis Cichorii tomentosus*, C. B. P. Cited Hort. Cliff. 382. *Tragopogon Dalechampii* L. = *Urospermum Dalechampii* F. W. Schmidt.
2. *Chondrilla foliis tomentosus altera, flore pallidiore, nobis.* *Andryala ragusina* L. var. *lyrata*.

Plantae Lactescentes Papposae.

CAPUT VII. **Dens Leonis.**

- 74, 1. *Dens Leonis vulgaris*, Park. Cited Hort. Cliff. 386. *Leontodon Taraxacum* L. = *Taraxacum officinale* Wigg. = *T. vulgare* Schrank; also a form with variegated leaves.
- 75, 4. *D. latiore et rotundiore folio*, Bot. Monsp. *This is Dr. Nissoles own hand, who gathered this Plant abt Montpelier and sent it me from thence A. D. 1691. James Petiver.*
A very interesting plant, doubtless the earliest known

specimen of a very local French species which occurs near Narbonne, etc. *Taraxacum serotinum* Poir.: Bucknall and White say it is var. β *spathulifolium* Rouy.

5. *D. minor foliis radiatis*, C. B. P. et Prod. *Hyoseris radiata* L.
6. *D. glaber angustiore et longiore folio*. Cited Sp. Pl. ed. ii. 1123. *Leontodon hastile* L.
7. *D. Alpinus minimus laciniatus . . . nobis*. *L. pyrenaicus* Gouan, *teste* J. Hutchinson.
8. *D. foliis profunde laciniatis . . . foetidus, nobis*. *Hyoseris foetida* L.
10. *D. maritimus minor radice tuberculis praedita, nobis*. Leaves and flowers only. *Leontodon tuberosum* L.
11. *D. minor laevis Asphodeli radicibus, nobis*. *L. tuberosum* L.
12. *D. minimus folio integro gramineo*. From Sherard. *Taraxacum palustre* DC. f. = *T. paludosum* Schlecht. Confirmed by J. Hutchinson.
13. *D. montanus hirsutus folio longo dentato, nobis*. *Leontodon hispidum* L.
- 76, 14. *D. hirsutus montanus saxatilis . . . nobis*. No specimen. Cited Hort. Cliff. 386. *L. hispidum* L.
15. *D. longioribus foliis mollibus . . . L. hispidum* L., *teste* J. Hutchinson.
16. *D. pumilus saxatilis asper . . . nobis*. *L. hirtum* L. = *L. nudicaule* Banks.
17. *D. tenuifolius hirsutus . . . nobis*. Found by Sherard in France. *L. crispum* Vill., *teste* J. Hutchinson.

CAPUT [VI] VIII. **Pilosella.**

- P. 77, 1. *Pilosella Monoclonos repens vulgaris minor, nobis*. Cited Hort. Cliff. 388 (figs. 1 and 2). *Hieracium Pilosella* L.
- 78, 3. *P. Monoclonos major repens . . . C. B. P.* *H. Pilosella* L.
 5. *P. monoclonos non repens Alpina minor . . . nobis*. Cited Sp. Pl. 800. *Hieracium alpinum* L.
 7. *P. polyclonos repens major Syriaca . . . nobis*. 'Nomine Grim the Collier vulgo nota est.' Cited Sp. Pl. 801. *H. aurantiacum* L.
 8. *P. minor folio angustiore, minus piloso repens, J. B.* *H. Auricula* L., *testibus* Bucknall and White; another sheet being *H. florentinum* All.
 11. *P. major montana hispida parvo flore, C. B. P.* *Ex. H. Patav.* *H. florentinum* All., *testibus* Bucknall and White.

CAPUT IX. **Tragopogon.**

- P. 79, 1. *Tragopogon pratense luteum majus, C. B. P.* Cited Hort. Cliff. 382. *Tragopogon pratense* L.

3. *T. laciniatum* majus, Park. L. ? *Scorzonera laciniata* L. = *Podospermum laciniatum* DC.
 80, 4. *T. tenuissime laciniatum*, C. B. P. et Prod. *Scorzonera Jacquiniana* Boiss.
 5. *T. purpureocaeruleum* Porri folio . . . C. B. P. Cited Sp. Pl. 789. *T. porrifolium* L.

CAPUT X. *Scorzonera*.

- P. 81, 1. *Scorzonera latifolia sinuata*, C. B. P. Cited Hort. Cliff. 383. *Scorzonera hispanica* L.
 2. *S. latifolia* Germanica, Eyst. *S. hispanica* L. var. *glastifolia*.
 82, 4. *S. latifolia humilis nervosa*, C. B. P. Cited Hort. Cliff. 382. *S. humilis* L.
 5. *S. humilis crassiore folio*, Magnol. Bot. Monsp. App. *S. humilis* L.
 6. *S. humilis latifolia Chalepensis* . . . From Aleppo. The yellow-flowered *Picridium tingitanum* Desf.
 7. *S. angustifolia lutea Pannonica*, Ger. Cf. *Sonchus maritimus* L., teste J. Hutchinson.
 83, 17. *S. tuberosa humilis lanuginosa, nobis. Ex Aleppo, D. Huntington. Scorzonera lanata* Bieb.
 20. *S. angustifolia subcoerulea*, C. B. P.
 One sheet, with syn. *S. angustifolia elatior Pannon. 4 Clus. Hist.* (tab. 9, not 7), *S. purpurea* L. Another sheet, labelled *S. humilis Syriaca, sinuata, flore subcoeruleo, D. Huntington ex Aleppo*, seems to be the yellow-flowered *Picridium orientale* DC. = *P. tingitanum* Desf.

CAPUT XI. No specimens.

Distributio Tertia: Plantae Pappescentes non Lactescentes.

CAPUT XII. *Chrysocome* sive *Helichrysum*.

- P. 86, 1. *Helichrysum* sive *Chrysocome frutescens* . . . nobis. Cited Sp. Pl. 853. *Gnaphalium orientale* L. = *Helichrysum orientale* Gaertn.
 2. *H. frutescens latifolium, . . . nobis. H. orientale* Gaertn., teste J. Hutchinson.
 3. *H. sive Stoechas citrina humillima Promontorii sacri Lusitana*. A specimen of Tournefort's. J. Hutchinson suggests *H. Stoechas* DC.
 6. *Chrysocome seu potius Eranthemocome . . . nobis. H. sanguineum* Kostel.
 8. *H. seu Chrysocome angustifolia vulgaris, Clus. Hist.* Cited Sp. Pl. 853 (fig. 7) with wrong ref. to p. 401. *Gnaphalium Stoechas* L. = *H. Stoechas* DC.

9. *H. seu Chrysocome Stoechas citrina dicta altera Italica*, J. B. H. *angustifolium* DC. = *H. Stoechas* DC. var. *angustifolium* (DC.).
- 87, 11. *Elichrysum Aethiopicum* . . . D. Pluk. Alm. 134. Tab. 279. 1 from *Cales* (Cadiz). Cf. *H. Stoechas* L., teste J. Hutchinson.
17. *H. sive Chrysocome capitulis longioribus* . . . nobis, *Staelina dubia* L.
18. *H. sive Chrysocome capitulis singularibus brevioribus*, nobis, Cited Sp. Pl. ed. ii. 1206 (fig. 16). *Conyza saxatilis* L. = *Phagnalon saxatile* Cass.
- 88, 19. *H. sive Chrysocome angustifolia, capitulis binis vel ternis brevioribus*, nobis. *P. sordidum* Reichb. = *P. tricephalum* Cass. (I. K.).
20. *H. seu Chrysocome annua sylvestris* . . . nobis. 'In Insula Caesarea, Jarsie nominata ad muros et ad ripas D. Sherardus quoque detexit.' Cited Sp. Pl. ed. ii. 1196. *Gnaphalium luteo-album* L.
21. *H. sive Chrysocome Gnaphaloides Virginiana* . . . nobis. Cited Sp. Pl. 851 (fig. 19). *G. obtusifolium* L.
22. *H. sive Chrysocome gnaphaloides Americana annua* . . . nobis. *G. polycephalum* Michx., teste J. Hutchinson.
- 88, 23. *H. sive Chrysocome repens foliis deciduis* . . . nobis. Cited Hort. Cliff. 401 (f. 21). *Gnaphalium margaritaceum* L. = *Antennaria* Br. = *Anaphalis margaritacea* C. B. Clarke.
24. *H. sive Chrysocome caulibus deciduis, latiore folio, Germanica*, nobis. *Helichrysum arenarium* Moench.
26. *H. sive Chrysocome repens flore ignescente* . . . nobis. Cf. *H. orientale* Gaertn., teste J. Hutchinson.
- 89, 32. *C. humilis montana folio rotundiore, purpurea et alba*, nobis. Cited Hort. Cliff. 400. *Gnaphalium dioicum* L. = *Antennaria dioica* Gaertn. Bobart gives a new locality 'prope Brackley in Comitatu Oxoniensi', the first record for the County.

CAPUT XIII. *Elichryso affinis sive Pseudohelichrysum.*

- P. 90, 1. *Pseudohelichrysum frutescens Africanum* . . . nobis. *Nidorella foliosa* Cass., teste J. Hutchinson.
3. *P. frutescens Peruvianum* . . . nobis. Cited Sp. Pl. 860 for *Baccharis ivaefolia* L. = *Conyza ivaefolia* Burm. f., and on p. 989 for *Iva frutescens* L.
- The specimens have no flowers, but from the form of the hairs on the leaves I refer them to the latter species.
4. *P. Virginianum frutescens Halimi latioris foliis* . . . nobis. Cited Sp. Pl. 860. *Baccharis halimifolia* L.
5. *P. . . Africana arborescens* . . . Herm. Cited Sp. Pl. 842. *Tarhonanthus camphoratus* L.

6. *P. humilium Orientale* . . . D. L. Pluk. A bad specimen, but I think referable to *Polyoarpaea corymbosa* Lam. Confirmed by W. G. Craib.

CAPUT XIV. *Gnaphalium* seu *Cotonaria*.

- P. 91, 1. *Gnaphalium majus angusto oblongo folio*, C. B. P. Cited Hort. Cliff. 402. *Gnaphalium sylvaticum* L.
- 92, 2. *G. spicatum majus non ramosum erectum Virginianum* . . . Cited Sp. Pl. 855. *G. purpureum* L.
4. *G. Alpinum magno flore* . . . C. B. P. *Filago Leontopodium* L. = *Leontopodium alpinum* Cass.
10. *G. annuum vulgare* . . . nobis. *Filago germanica* L.
11. *G. minus latioribus foliis*, C. B. P. Cited Hort. Cliff. 402, *Micropus erectus* L.; but the specimens do not resemble the figure 11 tab. 11 and comprise two or three species.
13. *G. minimum erectum* . . . nobis. *Filago minima* Fries.
14. *G. annuum serotinum capitulis nigricantibus*, nobis. Cited Sp. Pl. 856. *Gnaphalium uliginosum* L.
- Linnaeus quotes (ed. ii. 1812) fig. 14, *G. vulgare medium* C. B. P. for his *Filago gallica* but surely in error; it is a bad figure, notice the younger branches. Also a sheet from S. Dale labelled *Gnaphalium parvum ramosissimum foliis angustissimis polyspermon Raii* Syn. 85, n. 5: of the two specimens on it, one is true *F. gallica* L. the other *F. minima* Fr.
- 93, 16. *G. umbellatum minimum*, J. B.
- Evax umbellata* Gaertn. (I. K.). On the same sheet is a specimen of *Micropus erectus*.
18. *Pseudognaphalium supinum* . . . Grisley Viridar. Lusitan. Cited Sp. Pl. 927. *Micropus supinus* L.

CAPUT XV. *Cacalia*.

- P. 94, 1. *Cacalia foliis crassis hirsutis*, C. B. P. A leaf impression only. Cited in Sp. Pl. 836. *Cacalia alpina* L. var. α = *Adenostyles viridis* Cass. = *A. alpina* Bluff. & Fingerh.
6. *C. foliis cutaneis acutioribus et glabris*, C. B. P. Cited Sp. Pl. 1171. *Cacalia alpina* L. var. β = *A. viridis* Cass.
7. *C. Virginiana glabra foliis deltoidibus subtus glaucis*, nobis. Cited Sp. Pl. 835. *C. atriplicifolia* L. = *Senecio atriplicifolius* Hook. The leaves are broader than those of the specimens with which I have compared it, but are glaucous beneath.
8. *C. Pyrenaica foliis Alliariae*, Schol. Bat. Par. Probably *Adenostyles viridis* Cass.
9. *C. foliis rotundioribus ad caulem sessilibus*. No specimen. Cited Sp. Pl. 837, for *Eupatorium rotundifolium* L.

CAPUT XVI. **Petasites.**

- P. 95, 1. *Petasites major vulgaris rubens rotundiore folio*, J. B. Cited Hort. Cliff. 411. *Tussilago Petasites* L. = ***Petasites ovatus*** Hill and the var. ***hybridus*** (L.) Druce [sub-female plant].
2. *P. maximus maritimus Borussiae, Mentzelii*. No specimen. Cited Hort. Cliff. 411 for *Tussilago hybrida* L. = ***P. ovatus*** Hill var. ***hybridus*** (L.) Druce.
3. *P. major albus anguloso folio*, J. B. Cited Hort. Cliff. 411. *T. alba* L. = ***P. albus*** Gaertn.
4. *P. minor alter Tussilaginis folio*. ***P. niveus*** Baumg.

CAPUT. XVII. **Eupatorium.**

- P. 97, 1. *Eupatorium cannabinum vulgare, nobis*. Cited Hort. Cliff. ***Eupatorium cannabinum*** L.
2. *E. latifolium Enulae folio . . .* Schol. Bot. Par. Cf. ***E. purpureum*** L., *teste* J. Hutchinson.
3. *E. Novae Angliae Urticae folio . . .* Hort. Lugd. Cited Sp. Pl. 838. ***E. purpureum*** var. β L., = ed. ii. 1174, ***E. maculatum*** L. Confirmed by J. Hutchinson.
4. *E. Canadense elatius longioribus foliis rugosis . . . nobis*. No specimen. Cited Sp. Pl. 838 for ***E. purpureum*** L.
5. *E. Virginianum longissimis . . . foliis, nobis*. Leaf-specimen only. Cited Sp. Pl. 837. ***E. altissimum*** L.
6. *E. Virginianum . . . perfoliatum, nobis*. Cited Sp. Pl. 839. ***E. perfoliatum*** L.
7. *E. Virginianum foliis mollibus Althaeae . . . nobis*. ***E. ageratoides*** L. f., *testibus* Dr. Stapf and J. Hutchinson.
9. *E. Mexicanum . . . Conyza Mexicana, Recchi. 157*. ***E. purpureum*** L. ?
10. *E. ericoides Capitis Bonae Spei, Breyn. Cent. 1*. Cited Sp. Pl. 928. *Seriphium fuscum* L. = ***Stoebe fusca*** Thunb.
- 98, 11. *E. Scrophulariae foliis glabris . . . nobis*. Cited Sp. Pl. 1176. ***Ageratum altissimum*** L. = ***Eupatorium ageratoides*** L.
13. *E. Virginianum flore albo, foliis . . . sessilibus . . .* Cited Sp. Pl. 837. ***E. sessilifolium*** L.
14. *E. Americanum . . . floribus longioribus albis, Breyn. Prod. 2*. ***E. album*** L.
18. *E. Valerianoides . . . Americanum D. L. Pl. Tab. 88*. Cited Sp. Pl. 839. ***E. aromaticum*** L.
19. *E. Valerianoides . . . Virginiana, D. L. Pluk. Tab. 88*. Leaf-specimen only, probably ***E. rotundifolium*** L.
23. *E. Virginianum flore albo Hyssopi foliorum aemulum*. Cited Sp. Pl. 836. ***E. hyssopifolium*** L.
24. *E. humile Africanum annuum flore albo . . . D. L. Pl. Tab. 88*. Ex Tournefort. ***Ageratum conyzoides*** L., *teste* J. Hutchinson,

- 99, 25. *E. montanum* Verbasci folio . . . nobis. Cited Hort. Cliff. 405. *Conyza squarrosa* L. = *Inula squarrosa* Bernh.
26. *E. conyzoides* Verbasci folio . . . D. L. Pl. Tab. 87. *Pluchea odorata* Cass., teste J. Hutchinson.
27. *E. foliis integris latoribus* . . . Indiae Orientalis, nobis. *P. tomentosa* DC., teste J. Hutchinson.
Also a sheet *E. Conyzoides integro Jacobaeae folio*. *P. indica* Less.
28. *E. Germanicum vulnerarium*, nobis. No specimen. Cited Sp. Pl. 883 (fig. 26) for *Inula germanica* L.
29. *E. Zeylanicum* . . . nobis. Cited Sp. Pl. 837. *Eupatorium zeylanicum* L. = *Vernonia zeylanica* Less.
Also a sheet labelled *E. Conyzoides maximum Canadense foliis caulem amplexicaulibus Pluk*, Tab. 87. 4. *Inula bifrons* L., teste J. Hutchinson.

CAPUT XVIII. Valeriana, Nardus, & Pseudovaleriana.

- P. 101, 1. *Valeriana hortensis*, Phu, C. B. P. *Valeriana* Phu L.
2. *V. sylvestris major*, C. B. P. *V. sambucifolia* Mikan.
3. *V. sylvestris major montana*, C. B. P. *V. officinalis* L.
5. *V. palustris minor*, C. B. P. *V. dioica* L.
7. *V. annua foliis Calcitrapae*, C. B. P. Cited Sp. Pl. ed. ii. 44. *V. Calcitrapa* L. = *Kentranthus Calcitrapa* Druce.
- 102, 8. *V. annua latifolia* . . . *K. Calcitrapa* (L.) Druce.
9. *V. maxima Alliariae foliis*, nobis. *Valeriana pyrenaica* L.
10. *V. sylvestris Alpina prima latifolia*, Clus. Hist. One leaf and a carbon impression. *V. montana* L., teste W. B. Turrill.
11. *V. Alpina Scrophulariae folio*, C. B. P. et Prod. *V. tripteris* L. Bucknall and White agree with the determination.
14. *V. Alpina Nardo similis*, C. B. P.; probably *V. saxatilis* L.
15. *V. marina latifolia*, nobis. Cited Hort. Cliff. 15. *V. rubra* L. = *Kentranthus ruber* Druce.
16. *V. marina angustifolia rubra*, Morisoni. *K. angustifolius* (DC.).
- 103, 20. *V. Nardus dicta radice olivari*, C. B. P. Two leaves and a carbon impression. The name suggests *V. tuberosa* L., but the specimen seems to be *V. montana* L.
22. *V. Nardus Celtica dicta Dioscoridis*, C. B. P. Leaves only; probably *V. celtica* L.
24. *V. Nardus ex Apulia dicta*, C. B. P. The synonym suggests *V. salinca* All. It is represented only by a fragment of a leaf presumably of garden origin.
25. *V. Nardo Celticae similis inodora*, C. B. P. et Prod. Leaf and carbon impression. The name suggests *V. saxatilis* L.,

as is a specimen labelled (but not numbered) *Nardus Celtica major e monte Sumano*: but W. B. Turrill queries **V. globulariifolia** Ramond (= *V. apula* Pourr.).

26. *Nardo Celticae similis* Hirculus, J. B., C. B. P. Leaves only; probably **V. saxatilis** L.
- 104, 27. *Pseudovaleriana cornucopioides annua purpurea* . . . nobis. Cited Sp. Pl. ed. ii. 44. *Valeriana Cornucopiae* L. = *Fedia Cornucopia* Gaertn. = **Mitrophora Cornucopia** Rafin.
29. *P. annua semine coronato* . . . nobis. Cited Ait. Hort. Kew. 1. 76, 1810. *Valeriana discoidea* Willd. = **Valerianella discoidea** Loisel.
36. *P. annua arvensis praecox, humilis, nobis*. **V. olitoria** Poll.
- 105, 37. *P. annua serotina procerior* . . . nobis. Mixed specimens: one **V. olitoria** Poll., another **V. dentata** Poll.
38. *P. annua Halepensis vesicaria*. **V. vesicaria** Moench.
39. *P. Curassavica* . . . Par. Bat. Prod. Three sheets and a carbon impression. Sent from Fort. St. George (India, to C. Du Bois) by ye name of *Mokariti, Mocaretty, Mokreta*, *Phytogr. tab. 113 f. 57*. Cited Hort. Cliff. 17. *Boerhavia diffusa* L. = **B. repens** L. (I. K.).

CAPUT XIX. **Senecio sive Erigerum.**

- P. 106, 1. *Senecio minor vulgaris*, C. B. P. Cited Hort. Cliff. 406. **Senecio vulgaris** L.
2. *S. incanus pinguis*, C. B. P. **S. sylvaticus** L.
3. *S. hirsutus foliis latioribus, nobis*. A bad specimen of Wheeler's Greek plant is inserted here labelled *S. Atticus vulgari similis, flore petalis inconspicuis radiato*, *Do. Wheeler, Pluk. Alm 342*, of which Bobart says in the *Historia* 'Huc spectat': probably **S. sylvaticus** L.
8. *S. Indicus Atriplicis folio glabro*. Cited Sp. Pl. (f. 7) 835. *Cacalia Porophyllum* L. = **Porophyllum ruderale** Cass.

CAPUT XX. **Jacobaea.**

- P. 108, 1. *Jacobaea vulgaris laciniata*, C. B. P. Cited Hort. Cliff. 406. **Senecio Jacobaea** L.
Also the rayless form found by Sherard near Drogheda, *Jacobaea apetalos Sherardi; ex Hibernia D. Sher.* Cited Sp. Pl. ed. ii. 1220. **S. Jacobaea** L. var. **flosculosus** Gray.
2. *J. incana segmentis longioribus, nobis*. **S. erucifolius** L.
3. *J. minor altera Virginiana foliis tenuis dissectis*. From J. Banister. Probably **S. sylvaticus** L.
6. *J. foliis amplioribus incanis, Moris*. Praelud. Bot. **S. Cineraria** DC., teste J. Hutchinsson.
On the back of the sheet is a leaf labelled *Jacobaea maritima viridior, ex H. D. Morgan*.

- 109, 7. *J. maritima* . . . foliis utrinque candicantibus, nobis. Cited Hort. Cliff. 410. *Cineraria maritima* L. = **S. Cineraria** DC. Also a sheet with a leaf labelled *Jacobaea ex maritimae semine degener*, H. Reg. Par.
9. *J. supina maritima annua*, Triumphetti. **S. nebrodensis** L., teste J. Hutchinson.
12. *J. pumila sinuatis foliis argentea* . . . D. Luc. Pluknet. E. Smyrna accept. **Pterocephalus Pinardi** Boiss.
15. *J. Sicula Chrysanthemi facie*, Bocconi. Leaves probably of **Senecio squalidus** L.
Evidently cultivated in the garden, for Bobart notes 'Perennis est planta, hyememque facile sustinens. Ad Catanam et Taurominium frequens nascitur'. Smith, Hooker, &c., have wrongly described it as annual. Doubtless the source of the Oxford Ragwort now so widely spread.
17. *J. Africana frutescens* . . . Par. Bot. Prod. **Artemisia** sp. ?
- 110, 18. *J. palustris viridior latiore folio*. **Senecio aquaticus** Hills.
19. *J. Virginiana foliis imis Alliariae* . . . Cited Sp. Pl. 870. **S. aureus** L.
21. *J. foliis rotundis serratis*, C. B. P. et Prod. **S. alpinus** Scop., teste J. Hutchinson.
22. *J. foliis longis integris et mucronatis*, nobis. Cited Sp. Pl. 870. **S. paludosus** L.
24. *J. aquatica elatior* . . . nobis. Cited Sp. Pl. ed. ii. 1243. *Cineraria palustris* L. = **S. palustris** Hook.
27. *J. pumila Stoebes* . . . D. Pluk. Fragmentary specimen and carbon impression: probably **S. nebrodensis** L.
- 111, 29. *J. minima montana lanuginosa foliis brevibus subrotundis*, nobis. *Senecio campestris* DC. = **S. integrifolius** Clairv.
30. *J. montana lanuginosa angustifolia non laciniata*, C. B. P. No specimen. Cited Sp. Pl. ed. ii. 1243 (fig. 28) for *Cineraria alpina* L. var. *integrifolia* L. Bobart's description suggests that it may be the **S. integrifolius** var. **aurantiacus** (DC.).
31. *J. Aethiopica Lavendulae folio*, Breyn. Cent. 1. **Senecio** sp.
32. *J. Crithmi littorei foliis*, Moris. Praelud. Bot. No specimen. Cited Hort. Cliff. 410. **S. linifolius** L.
34. *J. spicata Monomotapensis*, Breyn. Cent. 1. No specimen. Cited (fig. 32) Sp. Pl. ed. ii. 1218 for **S. pubigerus** L.
35. *J. affinis* . . . *Capitis Bonae spei*, Breyn. Cent. 1. No specimen. Cited Sp. Pl. 924 (f. 33) for *Othonna bulbosa* L.; but Bot. Mag. t. 768 cites it for **O. pinnata** L. f.
36. *J. affinis Aethiopica humilis* . . . nobis. *Arctotis Calendula* L. = *Cryptostemma calendulaceum* R. Br. = **Cryptostemma Calendula** (L.).

CAPUT XXI. **Conyza.**

- P. 113, 1. *Conyza Pannonica lanuginosa*, C. B. P. Cited Sp. Pl. 882. **Inula Oculus-Christi** L.
2. *C. Alpina pilosissima*, C. B. P. **I. Oculus-Christi** L., teste J. Hutchinson.
4. *C. montana lutea oblongis foliis*, C. B. P. **I. montana** L.
5. *C. latifolia viscosa suaveolens* . . . Schol. Bot. Par. Cited Hort. Cliff. 404. *Conyza bifrons* L. = **I. bifrons** L.
6. *C. altera Apula*, an *Baccharis*, Col. No specimen. Cited Sp. Pl. 881 for *Inula odora* L. = **Pulicaria odora** Reichb.
7. *C. media repens Asteris flore luteo* . . . C. B. P. *Inula dysenterica* L. = **P. dysenterica** S. F. Gray.
8. *C. palustris repens Britannica dicta*, nobis. Cited Sp. Pl. 882. **I. britannica** L. var.
- 114, 11. *C. major vera*, Lob. icon. **I. viscosa** Ait.
12. *C. minor vera*, Lob. icon. Probably **Andryala integrifolia** L.
15. *C. tuberosa lutea* . . . Magnol. Cited Sp. Pl. 865. *Erigeron tuberosum* L. var. β = **Jasonia tuberosa** DC.
16. *C. marina*, Dal. Cited Sp. Pl. 865 (tab. 19, fig. 20 *bona*). *E. tuberosum* L. = **J. tuberosa** DC.
22. *C. Virginiana lutea Lini folio acutiore*. **Aster linifolius** L., teste J. Hutchinson.
- 115, 24. *C. Orientalis alato caule, flore globoso*, nobis. **Sphaeranthus indicus** L.
25. *C. coerulea acris*, C. B. P. Cited Hort. Cliff. 407. **Erigeron acre** L.
28. *C. Sicula annua lutea* . . . Boccon. Cited Sp. Pl. 864. *Erigeron siculum* L. = **Fulicaria sicula** Moris.
29. *C. annua acris alba elatior* . . . nobis. Cited Sp. Pl. 863. **E. canadense** L.
30. *C. annua acris alba glabra tenuior*. Poor specimen. **E. canadense** L., teste J. Hutchinson.
32. *C. helichrysoides graveolens* . . . No specimen. Cited Sp. Pl. 851 for *Gnaphalium foetidum* L. = **Helichrysum foetidum** Moench.

CAPUT XXII. **Aster.**

- P. 117, 1. *Aster luteus Pannonicus primus Clusii*, Pan. **Inula salicina** L.
- 118, 2. A. . . *subhirsuto Salicis folio tertius*, Clus. **Bupthalmum salicifolium** L., *testibus* J. Hutchinson and Dr. Stapf.

5. *A. luteus montanus* magno flore foliis serratis, nobis. **Senecio Doronicum** L., teste J. Hutchinson.
7. *A. Conyzoides* Gesneri, Park. No specimen. Cited Sp. Pl. 865 for **Erigeron tuberosum** L. var. γ .
11. *A. montanus* Salicis glabro folio, C. B. P. **Bupthalmum salicifolium** L., testibus J. Hutchinson and Dr. Stapf.
- 119, 13. *A. montanus* luteo magno flore, C. B. P. **Inula hirta** L., teste J. Hutchinson.
15. *A. luteus* folio glabro et crenato, C. B. P. **Inula squarrosa**, Bernh., teste J. Hutchinson.
Another specimen is queried by Bobart as Bauhin's plant. Asa Gray names it **Sericocarpus conyzoides** Nees.
16. *A. luteus* Linariae rigido glabro folio, C. B. P. **Inula ensifolia** L., teste J. Hutchinson.
17. *A. littoreus*, luteus folio . . . nobis. Cited Hort. Cliff. 408. **I. Crithmoides** L.

Asteres coerulei.

- 120, 23. *A. humilis* montanus flore amplo . . . nobis. **Aster alpinus** L.
25. *A. hirsutus* flore pallide coeruleo ampliore . . . nobis. **A. pyrenaicus** DC., teste J. Hutchinson.
26. *A. Virginianus* comosus . . . nobis. Cited Sp. Pl. 875. **A. undulatus** L.
27. *A. Virginiensis* repens caeruleus salicis folio serotinus, nobis. The specimen is **A. paniculatus** Lam.; but, as Asa Gray points out, the figure does not correspond with it.
28. *A. Americanus* latifolius maximus puniceis caulibus . . . Hort. Lugd. Bat. Cited Sp. Pl. 875. **A. puniceus** L.
29. *A. Novae Belgiae* latifolius paniculatus . . . Hort. Lugd. Bat. Cited Hort. Cliff. 408 for **A. novi-belgii** L. Asa Gray refers the specimen to **A. puniceus** L.
30. *A. Novae Belgiae* latifolius umbellatus . . . Hort. Lugd. Bat. **A. novi-belgii** L.
31. *A. Tripolii* flore, C. B. P. **A. acris** L., confirmed by J. Hutchinson.
- 121, 32. *A. Tripolii* flore latifolius, Hort. Reg. Bles. **A. Tripolium** L., teste J. Hutchinson.
33. *A. Tripolii* flore angustissimo et tenuissimo folio, Flor. Bat. Flores. Cited Sp. Pl. 874. **A. linifolius** L.
- 33 bis. *A. Americanus* frutescens Satureiae foliis scabris . . . D. L. Pl. No specimen. This name is cited Sp. Pl. 874 for **A. linariifolius** L.
35. *A. latifolius* glaber, humilis . . . nobis. Cited Sp. Pl. (fig. 34) 875 (f. 34). **A. cordifolius** L.

37. *A. caeruleus glaber, littoreus, pinguis, Tripolium majus dictus, nobis.* Cited Hort. Cliff. 408. **A. Tripolium L.**
 38. *A. littoreus pinguis, Tripolium minus dictus, nobis.* A narrow-leaved form of **A. Tripolium L.**

Asteres albi.

42. *A. Salicis folio repens . . . nobis.* **A. Tradescanti L., sensu A. Gray, teste J. Hutchinson.**
 43. *A. Virginianus ramosissimus . . . Tradescanti, nobis.* No specimen. Cited Sp. Pl. 876 and Bot. Mag. t. 7825 for **A. Tradescanti L.**
 44. *A. Americanus . . . flore albo Bellidis . . . D. de Flines Schol. Bot. Par.* Cited Hort. Cliff. 408. **A. dumosus L.**
 Asa Gray names one specimen **A. vimineus Lam.**; another he queries as young **A. dumosus L.** On another sheet from *Terra Mariana* [Maryland] are **A. dumosus L.** and **A. ericoides L.**
 122, 45. *A. Americanus albus Mezerei Arabum . . . D. L. Pl. Phyt.* Asa Gray names this *Sericocarpus solidaginoides* Nees, = ? **S. solidagineus** Nees.
 48. *A. annuus ramosus albus latifolius Canadensis, nobis.* Cited Sp. Pl. 1229. *Aster annuus L. = Erigeron annuus Pers.*
 Another specimen is labelled *An Aster coerul. ex Provincia Mariana quasi perfoliatus flo. parvis spicatis?* Asa Gray names it **A. patens Ait.** Another sheet *Aster Virginianus latifolius albus ramosus* is referred by Asa Gray to **A. cornifolius Muhl. = A. infirmus Michx. (I. K.).**

CAPUT XXIII. **Virga aurea.**

- P. 123, 1. *Virga aurea maxima radice repente . . . No specimen.* Cited Sp. Pl. ed. ii. 1169 for *Cacalia sarracenicum L. = Senecio Cacaliaster Lam.*
 2. *V. major carnosus . . . foliis . . . nobis.* Cited Hort. Cliff. 410. **S. Doria L.**
 124, 3. *V. angustifolia serrata, sive Solidago Saracenicum, J. B. Imperfect specimen ? S. sarracenicum L.*
 8. *V. Canadensis foliis Scrophulariae, Dodart. Mem.* Cited as *V. montana Scroph. folio* Sp. Pl. ed. ii. 1234. *Solidago flexicaulis L. = S. latifolia L. (I. K.).*
 10. *V. longissimis et angustissimis foliis.* Probably **S. Virgaurea L. var. angustifolia Gaud.**
 14. *V. Canadensis foliis carnosus non serratis angustioribus, Solidago maxima Americana, Cornuti.* Cited Sp. Pl. 878. **S. sempervirens L.**
 15. *V. Canadensis foliis . . . latioribus.* Cited Sp. Pl. 878. **S. sempervirens L.**

16. *V. Limonii perforatis foliis* . . . Hort. Reg. Par. ?*S. mexicana* L. = *S. sempervirens* L. (I. K.).
- 125, 18. *V. montana folio angusto subincano, flosculis conglobatis*, D. Lloyd. Cited from Raii Synop. (ed. ii. 81). *Solidago Virgaurea* L.
A distinct variety with lanceolate leaves and terminal inflorescence. A second specimen, probably cultivated, has leaves more distinctly toothed, and a less capitate inflorescence.
19. *V. angustifolia minus serrata*, C. B. P. *S. Virgaurea* L., but the leaves are broad and considerably toothed, i. e. not var. *angustifolia* Gaud.
20. *V. humilis foliis non serratis acutioribus, nobis*. A carbon impression with one leaf, possibly *S. minuta* L.
22. *V. flore minus amplo, foliis latioribus serratis*. Luxuriant *S. Virgaurea* L.
24. *V. Americana Taraconis facie et sapore* . . . D. L. Pluk. *S. odora* Aiton.
25. *V. angustifolia panicula speciosa Canadensis*, Hort. Reg. Par. Cited Sp. Pl. 878. *S. canadensis* L.
27. *V. floribus fistulosis Senecionis instar, foliis angustioribus non serratis, Morisoni*. ?*S. Virgaurea* L., teste J. Hutchinson, but I am not convinced of this determination.
29. *V. Linariae folio* . . . nobis. *Chrysocoma Linosyris* L. = *Aster Linosyris* Bernh.

CAPUT XXIV. **Doronicum.**

- P. 127, 1. *Doronicum majus officinarum*, Ger. *Doronicum Pardalianches* L.
5. *D. Austriacum quartum*, Clus. Pan. 6. Hist. *Senecio cordatus* Koch, teste J. Hutchinson.
Merged into *S. alpinus* Scop. in Ind. Kew.
6. *D. Plantaginis folio alterum*, C. B. P. Represented by an imperfect capitulum. *Arnica montana* L.
9. *D. minus officinarum*, Ger. Cited Hort. Cliff. 411. *D. plantagineum* L.
14. *D. latifolium flore magno*, C. B. P. *D. Pardalianches* L., teste J. Hutchinson.

CAPUT XXIV [bis]. **Helenium.**

- P. 129. *Helenium*, Matth. Cited Hort. Cliff. 407. *Inula Helenium* L.

CAPUT XXV. **Tussilago.**

- P. 130, 1. *Tussilago*, J. B. *Tussilago vulgaris*, C. B. P. Cited Hort. Cliff. 411. *Tussilago Farfara* L.

2. *T. Alpina rotundifolia canescens*, C. B. P. **Homogyne alpina** Cass.
3. *T. Alpina rotundifolia glabra*, C. B. P. No specimen. Cited Hort. Cliff. 411 for *Tussilago alpina* L = **H. alpina** Cass.

Distributio Quarta: Pappescentes non lactescentes capitatae non spinosae.

CAPUT XXVI. Centaurium majus.

- P. 131, 1. *Centaurium majus Juglandis folio*, J. B. Leaf only. Cited Hort. Cliff. 426. **Centaurea Centaurium** L.
2. *C. majus foliis Cinarae, Cornuti*. Cited Sp. Pl. 826. **Cnicus Centauroides** L.
 3. *C. ciliare annuum . . . nobis*. Cited Hort. Cliff. 420. **Centaurea Crupina** L. = **Crupina vulgaris** Cass.
- 132, 4. *C. Alpinum luteum*, C. B. P. Leaf only. Cited Sp. Pl. 910 (fig. 5). **Centaurea alpina** L.
7. *C. majus, Rha capitatum . . . J. B.* Leaf only. Cited Hort. Cliff. 421. **C. Rhapontica** L.
10. *C. majus luteum altissimum . . . nobis*. **C. babylonica** L.

CAPUT XXVII. Serratula.

- P. 133, 1. *Serratula vulgaris foliis laciniatis, nobis*. Cited Hort. Cliff. 396. **Serratula tinctoria** L.
2. *S. vulgaris facie foliis integris, nobis*. An entire-leaved form, which, Bobart says, retained its characters in cultivation. **S. tinctoria** L.
 4. *S. Noveboracensis altissima . . . Flor. L. Bat. Fl.* Cited Sp. Pl. 818. **S. noveboracensis** L. = **Vernonia noveboracensis** Willd.

CAPUT XXVIII. Cyanus.

- P. 134, 1. *Cyanus Alpinus radice perpetua*, J. B. Cited Hort. Cliff. 422. **Centaurea montana** L.
2. *C. montanus angustiore . . . Valot*. **C. axillaris** Willd.
 4. *C. segetum vulgaris minor annuus, nobis*. Cited Hort. Cliff. 422. **C. Cyanus** L.
- 135, 5. *C. Orientalis major moschatus . . . Park*. 'In arvis Constantinopolitanis ac Chalepensis nascitur unde apud nos nomine Sweet Sultan est.' Cited Sp. Pl. 909. **C. moschata** L.
7. *C. Orientalis minor moschatus . . . nobis*. **C. moschata** L. See DC. Prod. vi. 560.
 8. *C. Orientalis major . . . ex Aleppo*. Cited Sp. Pl. 909. **C. moschata** L. var. **Amberboi** L. (= **Amberboa odorata** DC. var. **ambracea** DC. Prod. vi. 560).

CAPUT XXIX. **Stoebe.**

- P. 136, 1. *Stoebe Capitata Rorismarini foliis* . . . C. B. P. *E Bot. sic. Petiver*, *Staezelina dubia* L.
2. *S. spinosa* Cretica, Park. Cited Sp. Pl. 912. *Centaurea spinosa* L.
3. *S. annua* Leucoii folio . . . nobis. *Cnicus stellatus* Roth = *Cirsium stellatum* All.
- 137, 4. *S. Plantaginis folio, flore luteo*, Prosp. *Catananche lutea* L.
8. *S. Cretica fruticans* . . . nobis. Cited Sp. Pl. 819. *Serratula Chamaepeuce* L. = *Cnicus Chamaepeuce* L. (I. K.).
9. *S. Virginiana tuberosa angustifolia* . . . nobis. Cited Sp. Pl. 819. *Serratula spicata* L. = *Liatris spicata* Willd.; but the specimen is *L. squarrosa* Willd. (I. K.) = *Lacimaria squarrosa* Hill.
10. *S. Virginiana tuberosa latifolia* . . . No specimen. Cited Sp. Pl. 818 for *Serratula squarrosa* L = *Liatris squarrosa* Willd. = *Lacimaria squarrosa* Hill.

CAPUT XXX. **Jacea.**

- P. 139, 1. *Jacea nigra pratensis latifolia*, C. B. P. Cited Hort. Cliff. 421. *Centaurea nigra* L.; and the non-radiate form.
2. *J. peramara procumbens angustiore folio, capitulis argenteis, nobis.* ? *C. aspera* L.
7. *J. nigra squamosa capite major*, C. B. P. Possibly *C. phrygia* L.; but Bucknall and White consider it to be nearer to *C. pseudo-phrygia* C. A. Mey.
9. *J. Lusitanica semper virens*, Hort. Reg. Bles. Cited Sp. Pl. 913. *C. sempervirens* L.
Bobart includes a specimen from Hort. Ox. to show the change in leaf shape, *foliis magis divisis, forte a semine productum.*
- 140, 10. *J. nigra laciniata*, Park. A form with small Capitula, and a white-flowered form, of *C. Scabiosa* L.
14. *J. major foliis Cichoraceis mollibus* . . . nobis. Cited Sp. Pl. 918. *C. salmantica* L.
15. *J. non spinosa foliis magis divisis elatior* . . . nobis. Cited Sp. Pl. 192. *C. paniculata* L.
16. *J. non spinosa foliis magis divisis elatior, capitulis splendentibus, nobis.* *C. alba* L.
17. *J. Austriaca humilis tenuifolia, nobis.* Probably *C. dissecta* Ten.

The synonyms cited refer to *C. Stoebe* L., which is not given as an Austrian plant, indeed is quite a mythical species which is dropped by Nyman. *C. dissecta* appears to be restricted to Italy and Greece.

18. *J. humilis alba Hieracii folio*, Lugd. C. B. P. Cited Sp. Pl. 911. **C. pullata** L.
- 141, 19. *J. montana incana capite Pini*, C. B. P. *In collibus prope Castelneuf itemque non longe a Selnous utrobique copiose.* **Leuzea conifera** DC.
20. *J. montana candidissima*, Park. Cited Sp. Pl. 912. **Centaurea Cineraria** L.
22. *J. Cretica lutea, foliis Cinerariae*, Dodart. *Est flore aureo.* Leaves only. Cited Sp. Pl. 912. **C. ragusina** L.

Capitatae foliis laevioribus & capitulis modice spinosis.

CAPUT XXXI. **Jaceae spinosae.**

- P. 142, 2. *J. angustifolia capite hirsuto*, C. B. P. **Centaurea austriaca** Willd., teste J. Hutchinson.
7. *J. laciniato Sonchi folio* . . . C. B. P. **C. sonchifolia** L.
- 143, 8. *J. marina Boetica*, Park. **C. sonchifolia** L.
9. *J. sphaerocephalos Tingitana* . . . Hort. Lugd. Bat. Cited Sp. Pl. 916. **C. sphaerocephala** L.
18. *J. cyanoides echinato capite*, C. B. P. No specimen. Cited Sp. Pl. 918 for *C. muricata* L. = **Volutarella muricata** Benth. and Hook. f.
- 144, 20. *J. Peregrina Napifolia, capitulis hirsutis alata*, D. Pluk. Phyt. Cited Sp. Pl. 916 and DC. Prod. vi. 600. **C. napiifolia** L.
21. *J. ramosissima, capite longis aculeis stellatim nascentibus armato, nobis.* **C. Calcitrapa** L.
22. *J. stellata non ramosa* . . . nobis. **C. Calcitrapa** L., teste J. Hutchinson.
Of the four sheets inserted here, another is probably **C. iberica** Trev., but is said to be *fl. aureo*.
23. *J. lutea spinosa Centauroides*, C. B. P. **C. Centauroides** L.
24. *J. lutea capite spinoso*, C. B. P. Probably **C. collina** L. var. **macrantha** DC.
26. *J. Sicula, Cichorei folio, flore luteo* . . . Bocc. Cited Sp. Pl. 918. **Centaurea sicula** L.
- 145, 27. *J. lutea annua stellata et alata* . . . nobis. Cited Hort. Cliff. 423. **C. solstitialis** L.
28. *J. lutea Melitensis capitulis conglobatis*, Bocc. Cited Sp. Pl. 917. **C. melitensis** L.
29. *J. lutea annua alata tomentosa Sabauda.* **C. solstitialis** L.

CAPUT XXXII. **Cnicus sive Carthamus aureus.**

- P. 145, 1. *Cnicus sativus*, sive *Carthamus officinarum*, C. B. P. *Safflore from the East Indies, and from Fort St. George.* Du Bois. Cited Hort. Cliff. 394. *Carthamus tinctorius* L.
- 146, 2. *C. Creticus laciniatus* . . . nobis. Probably *Carthamus lanatus* L.

CAPUT XXXIII. **Lappa major sive Bardana vel Arctium.**

- P. 146, 1. *Lappa major*, *Arctium Dioscoridis*, C. B. P. Young plants: probably *Arctium minus* Bernh.
2. *L. major montana capitulis tomentosis* . . . C. B. P. Young specimen. ? *Arctium tomentosum* Mill.

CAPUT XXXIV. **Cirsium sive Carduus mollis.**

- P. 148, 1. *Cirsium polyanthemum molliori hastato folio*, nobis. Cited Sp. Pl. 817. *Serratula alpina* L. var. γ *lapathifolia* L. = *Saussurea alpina* DC., forma *lapathifolia* (L.).
2. *C. humile montanum Cynoglossi folio* . . . Raii Syn. Cited Sp. Pl. 817. *Serratula alpina* L. var. β , *cynoglossifolia* L. = *Saussurea alpina* DC., forma *cynoglossifolia* (L.).
- 149, 3. *C. montanum Cambro-Britannicum* . . . nobis. Cited Hort. Cliff. 391. *Serratula alpina* L. = *Saussurea alpina* DC.
8. *C. foliis non hirsutis floribus compactis*, C. B. P. *Carduus monspessulanus* L. = *Cirsium monspessulanum* Hill., teste J. Hutchinson.
10. *C. foliis non dentatis viridibus* . . . nobis. *C. pannonicum* Link, teste J. Hutchinson.
11. *C. Britannicum repens* . . . nobis. Cited Hort. Cliff. 392. *Carduus helenioides* L. = *Cirsium heterophyllum* Hill.
- 150, 14. *C. minus Virginianum* . . . Cited Sp. Pl. 824. *Carduus virginianus* L. = *Cirsium virginianum* Michx.
15. *C. Alpinum, foliis minus profunde laciniatis* . . . Raii Hist. *C. rivulare* Link
18. *C. majus singulari capitulo magno*, C. B. P. *Cirsium* sp.
20. *C. fibrosum foliis latioribus* . . . nobis. Cited Hort. Cliff. 394. *Cnicus oleraceus* L. = *Cirsium oleraceum* Scop.
- 151, 24. *C. foliis latioribus carnosis* . . . Pyrenaicum, Hort. Paris, *C. monspessulanum* Hill.
25. *C. tomentosum radice bulbosa* . . . J. B. *C. canum* Moench, teste J. Hutchinson. (*Cnicus canus* Roth, I. K.)
27. *C. latioribus foliis viridibus laciniatis radicibus Asphodeli*, nobis. Cited Sp. Pl. 824 (figs. 27, 28) for *Carduus tuberosus* L. = *Cirsium tuberosum* All. The specimen is *C. anglicum* DC. = *C. britannicum* Scop.

28. *C. Asphodeli radice* . . . nobis. The specimen is imperfect, no flowers or root ; perhaps the same as 27.

Plantae Pappescentes, Cardui proprie dicti.

CAPP. XXXV et XXXVI. **Cardui flosculis rubentibus fistulosis.**

- P. 152, 1. *Carduus alatus tomentosus latifolius vulgaris*, nobis. Cited Hort. Cliff. 393. **Onopordon Acanthium** L.
 2. *C. tomentosus angustifolius Acanthium dictum Syriacum* . . . **O. illyricum** L., confirmed by J. Hutchinson.
 3. *C. tomentosus Illyricus procerior*, nobis. **O. illyricum** L.
 153, 5. *C. Acanthium dictus altissimus Lusitanicus*, Hort. Reg. Par. Cited Sp. Pl. 827 for *O. arabicum* L., but the specimen is **O. illyricum** L., teste J. Hutchinson.
 6. *C. alatus major flore rubro moschato, capite nutante*, nobis. Cited Hort. Cliff. 393. **Carduus nutans** L. ; also the hybrid **crispus** × **nutans**.
 7. *C. lanceatus latifolius*, C. B. P. Cited Hort. Cliff. 392. *Carduus lanceolatus* L. = **Cirsium lanceolatum** Scop.
 8. *C. lanceatus folii superficie spinosa*. Cf. **Carduus armatus** Boiss. & Heldr., teste J. Hutchinson : merged into *C. cronius* B. & H. in Ind. Kew.
 9. *C. lanceatus angustifolius*, C. B. P. **Cirsium lanceolatum** Scop.
 11. *C. polyacanthos capitulis pluribus* . . . nobis. Cited Hort. Cliff. 393. **Carduus crispus** L.
 12. *C. spinosissimus* . . . *palustris*, nobis. Cited Sp. Pl. 822 (fig. 13). *C. palustris* L. = **Cirsium palustre** Scop.
 13. *C. polyacanthos capitulis longioribus et tenuioribus* . . nobis. Cited Sp. Pl. 821 for *C. acanthoides* L. ; the specimen is **Carduus pycnocephalus** L.
 14. *C. pycnopolycephalus sylvestris, Triumphetti*. *Carduus polyanthemus* L. = **Cirsium polyanthemum** Sprengel, teste J. Hutchinson.
 154, 15. *C. pycnopolycephalus palustris, Triumphetti*. *C. polyanthemus* L. = **C. polyanthemum** Sprengel, teste J. Hutchinson.
 16. *C. Salmanticensis annuus caule folioso* . . . nobis. *Cnicus Acarna* L. = **Cirsium Acarna** Moench.
 18. *C. polyacanthos cirsioides Alpinus* . . . nobis. **Tyrimnus leucographus** Cass., teste J. Hutchinson.
 155, 1. *C. albis maculis notatus vulgaris*, C. B. P. Cited Hort. Cliff. 393. *Carduus Marianus* L. = *Silybum Marianum* Gaertn. = **Mariana lactea** Hill ; also with unicoloured leaves.
 3. *C. lacteus peregrinus major semine fusco, Raii*. **Cirsium syriacum** Gaertn. (*Cnicus syriacus* Roth, I. K.)

5. *C. albis maculis notatus exoticus*, C. B. P. No specimen. Cited Hort. Cliff. 393. *C. syriacus* L. (Notobasis syriaca Cass.) = ***Cirsium syriacum*** Gaertn.
7. *C. capite rotundo tomentoso*, C. B. P. ***Cirsium eriophorum*** Scop.
- 156, 12. *C. humillimus septentrionalium . . . nobis*. ***Cirsium acaule*** Weber.
14. *C. vulgatissimus viarum*, Ger. ***Cirsium arvense*** Scop.
15. *C. repens Sonchi folio Virginianus major*. ***Cirsium setosum*** Bieb.

CAPUT XXXVII. **Cardui floribus violaceis, fistulosis.**

- P. 157, 1. *C. domesticus capite majore . . . nobis*. Cited Hort. Cliff. 394, var. β . *Cynara Scolymus* L. var. *hortensis* (Mill.). The leaf-specimen is ***C. Cardunculus*** L. var. ***hortensis*** (Mill.).
3. *C. hortensis sive Cinara rubra maxima . . . nobis*. Leaf only; probably ***Cynara Cardunculus*** L. var. ***inermis*** DC. (figured Bot. Mag. t. 2862).
- 158, 5. *C. sive Cinara sylvestris latifolia*, C. B. P. ***Cynara alba*** Boiss.
White and Bucknall think that the specimen is more probably *C. Cardunculus* L.
9. *C. humilis Tingitanus caeruleus*. Cited Sp. Pl. 828. ***Cynara humilis*** L.; but DC. Prod. vi. 620 says '*C. humilis* L. excl. Mor. Syn.'
- It was grown for many years in the Oxford Garden, but perished in the severe winter of 1683.
10. *C. Andalusiacus spinosissimus . . . D. Pluk. Phyt. Tab. 19*. Leaf only of *A sort of Artichoke from Portugal*; probably ***C. humilis*** L.
- 159, 13. *C. eryngioides, sive Carduncellus montis Lupi*, Lob. ***Carthamus Carduncellus*** L. = ***Carduncellus monspeliensium*** All. Confirmed by J. Hutchinson.
14. *Carduncellus montis Lupi minor species repens, nobis*. No specimen. Cited Sp. Pl. 831 for ***Carthamus mitissimus*** L.
16. *C. caeruleus procerior, spinis ternis . . . nobis*. Leaf only; ***Cirsium Casabonae*** DC.
17. *C. Chamaeleon dictus, nobis*. No specimen. Cited Sp. Pl. ed. ii. 1164 for ***Carthamus corymbosus*** L.
18. *C. erectus caeruleus Cnici facie . . . nobis*. Cited Sp. Pl. ed. ii. 1163 (fig. 19). ***Carthamus tingitanus*** L. = *C. caeruleus* L. = ***Carduncellus caeruleus*** Less. var. ***dentatus*** DC.

19. *C. erectus caeruleus* Tingitanus Cnici facie foliis magis integris, nobis. *C. caeruleus* Less. var. *incisus* DC.
 20. *C. humilis* Creticus edulis . . . nobis. *Atractylis canoellata* L.

CAPUT XXXVIII. **Cardui floribus luteis fistulosis.**

- P. 160, 1. *C. luteus procumbens sudorificus et amarus*, nobis. Cited Hort. Cliff. 394. *Centaurea benedicta* L. Sp. Pl. ed. ii. 1296 = *Carbenia benedicta* Adans. (I. K.) = *Cnicus benedictus* L. Sp. Pl. 826, 1753.
 2. *C. luteus erectus reticulatus ramulis fusum referentibus*, nobis. Cited Hort. Cliff. 394. *Carthamus lanatus* L.
 161, 8. *C. foliis tenuibus spinosis, ad instar Juniperi*, nobis. Cited Sp. Pl. 413. *Drypis spinosa* L.

CAPUT XXXIX. **Cardui xeranthemi.**

- P. 162, 1. *C. xeranthemos flore purpureo-rubente patulo*, nobis. *Carlina lanata* L.
 3. *C. flore albo ampliore acaulis*, nobis. Leaf only. Cited Hort. Cliff. 395. *Carlina acaulis* L.
 4. *C. flore albo caulescens*, nobis. *C. acaulis* L.
 5. *C. vulgaris annuus*, nobis. *C. vulgaris* L.
 6. *C. flore luteo, capitulis parvis in umbella*, nobis. Referred in Hort. Cliff. 395 to *C. vulgaris* L., but Bauhin's plant [Pinax 379] and this specimen are *C. corymbosa* L.
 163, 7. *C. flore luteo patulo Hispanicus perennis*, nobis. *C. racemosa* L., cultivated by Bobart in the Garden.

Plantae Capitatae Spinosae non Papposae (sive Cardui improprie dicti).

CAPUT XL. **Cardus globosus.**

- P. 163, 1. *Cardus sphaerocephalus latifolius vulgaris*, C. B. P. *Echinops sphaerocephalus* L.
 4. *C. sphaerocephalus capitulo longis spinis armato*, C. B. P. *E. Ritro* L.
 164, 6. *C. sphaerocephalus Baeticus minor annuus*, nobis. *E. strigosus* L.
 7. *C. sphaerocephalus annuus Lusitanicus* . . . Probably *E. strigosus* L.

CAPUT XLI. **Eryngium.**

- P. 165, 1. *Eryngium vulgare*, C. B. P. Cited Hort. Cliff. 37. *Eryngium campestre* L.
 Bobart grew a narrow-leaved form in Hort. Oxon.

2. *E. montanum amethystinum*, C. B. P. Cited Sp. Pl. 337. ***E. amethystinum* L.**
3. *E. Amethystinum minus folio longiore Lusitanicum*. ***E. amethystinum* L., teste Dr. Stapf.**
4. *E. caeruleum albis maculis notatum*. ***E. Bourgati* Gouan.**
5. *E. ex plani semine degener*, Hort. Reg. Par. A form of ***E. planum* L.**
6. *E. maritimum*, C. B. P. Cited Hort. Cliff. 87. ***E. maritimum* L.**
9. *E. latifolium planum*, C. B. P. Cited Hort. Cliff. 87. ***E. planum* L.**
- 136, 10. *E. Alpinum caeruleum capitulis Dipsaci*, C. B. P. Probably ***E. planum* L.**
12. *E. Siculum capitulis Psylli flore caeruleo*, Bocconi. Probably a form of ***E. creticum* L.**
13. *E. Syriacum ramosius . . . nobis*. Cited Sp. Pl. ed. ii. 337. ***E. tricuspdatum* L.**
14. *E. Americanum foetidum*, Hort. Lugd. Bat. ***E. foetidum* L.**
15. *E. montanum pumilum*, C. B. P. A barren immature specimen, *E Lusit. D. Tournefort*, may be ***E. tenue* Lam.**, which Dr. Stapf confirms, as is another sheet.
16. *E. parvum palmare foliis serratis, nobis*. No specimen. Cited Sp. Pl. 830 for ***Atractylis cancellata* L.**
18. *E. Lusitanicum palustre . . . Tournefortii*. Probably ***E. corniculatum* Lam.**
- 167, 21. *E. Virginianum Yaccae foliis . . .* Cited Sp. Pl. ed. ii. 336. ***E. aquaticum* L.** Grown from seed sent by Banister.
23. *E. Syriacum foliis Chamaeleontis longis et spinosis, nobis*. No specimen. Cited Sp. Pl. 814 for ***Gundelia Tournefortii* L.**

CAPUT XLII. **Dipsacus.**

- P. 168, 1. *Dipsacus sativus*, C. B. P. ***Dipsacus fullonum* L. var. *sativus* L.**
2. *D. sativo similis hamis brevioribus*. ***D. fullonum* L. var. *sativus* L.**
3. *D. sylvestris sive Virga pastoris major*, C. B. P. ***D. sylvestris* Mill. = *D. fullonum* L.**
4. *D. folio laciniato*, C. B. P. Cited Sp. Pl. 97. ***D. laciniatus* L.**
5. *D. sylvestris capitulo minore . . .* C. B. P. ***D. pilosus* L.**

Plantae Spinosae Capitatae exoticae, foliis Aloes.

CAPUT XLIII. **Pinea Brasiliana, Ananas dicta.**

- P. 169, 1. *Carduo affinis* sive *Pinea Brasiliana Ananas dicta*, nobis. Cited Hort. Cliff. 129. *Bromelia Ananas* L. = *Ananas sativus* Schult. f. Confirmed by Dr. Stapf.
4. *Ananas sylvestris folio Aloes fructu cupressino*, J. B. **A. sativus** Schult. f., teste Dr. Stapf.
- 170, 6. *Pinea Indica* sive *Ananas fructu rotundiore tuberculis majoribus*, Kaida Taddi, Hort. Mal. T. 2. **Pandanus tectorius** Sol. forma, teste Mr. Craib.

CAPUT XLIV. **Melocarduus.**

- P. 171, 1. *Melocarduus sulcis rectis* . . . nobis. Cited Hort. Cliff. 181. *Cactus Melocactus* L. = **Melocactus communis** Link & Otto.
8. *M. mamillaris major* . . . nobis. A drawing only. Cited Hort. Cliff. 181. *Cactus mammillaris* L. = **Mammillaria simplex** Haw.

SECTIO OCTAVA. DE CULMIFERIS SEU CALAMIFERIS.

CAPUT I. **Triticum.**

- P. 175, 1. *Triticum hybernum aristis carens*, C. B. P. Bauhin's name is cited Sp. Pl. 86 for *Triticum hybernum* L. The specimen is **T. vulgare** Vill. var. **milturum** (Alef.), teste Dr. Stapf.
- (2) *T. culmo rubro* . . . , granis rubris; Red strawed wheat; var. **lutescens** Alef.
- (3) *T. spica mutica albicante*, granis rufescentibus, sive *Triticum mixtum*: Mixt Lammis Wheat: var. **lutescens** Alef.
- (4) *T. spica sive gluma albicante*, granis etiam albis: White Lammis Wheat: var. **albidum** Alef.
2. *T. majus rubrum spica quadrangulari splendente* . . . nobis. No specimen. Cited Sp. Pl. ed. ii. 127 (tab. 1, fig. 2) for **T. monococcum** L.
5. *T. Chalepense spica brevior nitidissima alba*, seu *Trit. Josephi*. Dr. Stapf suggests **T. turgidum** L. var. (Alef.).
7. *T. spica multiplici*, C. B. P. **T. turgidum** L. var. **mirabile** (Kcke.), teste Dr. Stapf.
8. *T. majus longiore* . . . *Poloniae dictum*. Cited Sp. Pl. ed. ii. 127. **T. polonicum** L.

Of the two plants on the sheet, the one on the left is the var. *levissimum* Hall.; the one on the right the var. *villosum* Desv., *teste* Dr. Stapf.

10. *T. aestivum*, C. B. Theat. No specimen. Cited Hort. Cliff. 24. *T. aestivum* L.
- 176, 11. *T. aestivum spica Hordei polystichi*, nobis. *Hordeum vulgare* L. var. *coeleste* L., *teste* Dr. Stapf.
13. *T. spica villosa quadrata longiore . . . nobis*. Cone Wheat. *Triticum turgidum* L. var. *buccale* (Alef).
14. *T. spica villosa quadrata brevior et turgidior*, nobis. Square gray, Gray Pollard, and Duck-bill Wheat. No specimen. Cited Sp. Pl. 86 for *T. turgidum* L., probably var. *buccale* (Alef).

CAPUT II. Gramen triticeum seu Caninum.

- P. 177, 2. *Gramen caninum non repens elatius spica aristata*. Discovered by Bobart in Oxfordshire. Cited Sp. Pl. ed. ii. 124. *Elymus caninus* L. = *Agropyron caninum* Beauv.
4. *G. caninum maritimum asperum . . . C. B. P. Prod.* *Tragus racemosus* Scop.
6. *G. triticeum palustre humilius . . . nobis*. No specimen. Cited Sp. Pl. ed. ii. 110 for *Festuca decumbens* L. = *Sieglingia decumbens* Bernh.
- 178, 7. *G. caninum spicatum foliis brevibus maritimum*, nobis. *Aeluropus littoralis* Parl., *teste* Dr. Stapf.
8. *G. caninum repens vulgatus*, Park. Cited Hort. Cliff. 24. *Triticum repens* L. = *Agropyron repens* Beauv.
14. *G. maritimum vulgato canario simile*, Park. Imperfect specimen. *Agropyron* sp., probably *repens* × *junceum*.

CAPUT III. Secale, & Gramen secalinum.

- P. 179, 1. *Secale hybernum sive majus*, C. B. P. Theat. *Secale cereale* L.
4. *Gramen Secalinum vulgatissimum viarum*, nobis. Cited Hort. Cliff. 24. *Hordeum murinum* L.
5. *G. S. . . . maritimum glaucifolium . . . nobis*. *H. marinum* Huds.
6. *G. S. . . . pratense elatius*, nobis. *H. pratense* With. = *H. secalinum* Schreber = *H. nodosum* L.
- 180, 9. *G. S. . . . Indicum spica gracili tomentosa . . . D. Pluk. Phyt.* No specimen. Cited Sp. Pl. 1045 for *Andropogon contortum* L. = *Heteropogon contortus* Beauv.
10. *G. S. . . . majus altissimum Virginianum*. No specimen. Cited Sp. Pl. 83 for *Elymus canadensis* L.

12. G. S. . . majus sylvaticum, nobis. Type specimen found by Bobart at Stokenchurch, Oxon. *Hordeum sylvaticum* Huds. = **Elymus europæus** L.
14. G. S. . . angustifolium maritimum, sive Sparteum . . . C. B. P. Cited Hort. Cliff. 26. *Arundo arenaria* L. = *Psamma arenaria* Beauv. = **Ammophila arenaria** Link.
15. G. Sparteum sive Spartum maximum Hollandicum spica Secalina, Raii. **A. arenaria** Link, teste Dr. Stapf.

CAPUT IV. **Lolium & Gramen Loliaceum.**

- P. 181, 1. *Lolium verum* Gesneri. Cited Hort. Cliff. 23, Sp. Pl. 122. **Lolium temulentum** L.
- 182, 2. G. loliaceum vulgare angustiore folio et spica, 3 C. B. P. *Festuca elatior* × *Lolium perenne* = **Festuca adscendens** Retz. Also the following specimens, not mentioned in the *Historia*.
- Gr. lol. spicis brevioribus et latioribus compressis* : **L. perenne** L. var. **compressum** Sibth.
- Gr. lol. majus spicis rarius dispositis* : *Festuca elatior* × *Lolium perenne* = **Festuca adscendens** Retz.
- Gr. lol. seu Phoenix multiplici spicata panicula*, Park. : **L. perenne** L., paniculate form.
3. G. . . foliis et spicis tenuissimis, nobis. Cited Sp. Pl. ed. ii. 127. *Triticum tenellum* L. = T. *Lachenalii* Gmel. = **Festuca Lachenalii** Spenn.
 5. G. . . majus spicis in verticillas multiplicatis, Maderaspatanum, D. Pluk. Phyt. **Ophiurus corymbosus** Gaertn. f., teste Dr. Stapf.
 6. G. . . maritimum biunciale, nobis. Described on tab. 2, fig. 6, as *Gr. parvum marinum spica loliacea*, Ger. 'In oris maritimis britannicis'. The figure is cited Sp. Pl. ed. ii. 128 for *Triticum maritimum* L. (= *Cutandia maritima* Benth., I. K.) In Sp. Pl. ed. ii, App. 1677, Linnaeus cites Plukenet's synonym for the plant '*Gr. exile duriusculum maritimum foliolis circumvolutis veluti junceis brevibus*, Pluk. Phyt. Tab. 32. 7', under his *T. maritimum* = *Poa loliacea* Huds. = **Desmazeria loliacea** Nyman.
 8. G. . . maritimum spicis . . . articulatis recurvis, nobis. Only a fragment. Cited Sp. Pl. ed. ii. 1490. *Aegilops incurvata* L. = *Ae. incurva* Sp. Pl. ed. i. 1051 = **Lepturus incurvus** (L.) Druce.
 9. G. . . murorum . . . spica erecta rigida, nobis. Cited Sp. Pl. ed. ii. 101. *Poa rigida* L. = **Festuca rigida** Kunth.
 10. G. . . tenuissimum unciale aut biunciale, nobis. Brought by W. Sherard from the South of France. **Festuca maritima** L. var. **mutica** Koch, teste Dr. Stapf.

12. *G. panicula sparsa lutea loliacea*, Magnol. App. Cited Sp. Pl. ed. ii. 91. *Milium lendigerum* L. = **Gastridium lendigerum** Gaud.
13. *G. loliaceum foliolis brevibus junceis minus*, C. B. P. et Theat. 73. Cited Huds. Fl. Angl. 36. **Festuca ovina** L.
- 183, 15. *G. . . spica divisa pratense majus, nobis*. Cited Sp. Pl. ed. ii. 111 for *Festuca elatior* L., but the specimen is **F. arundinacea** Schreber, confirmed by Dr. Stapf.
16. *G. . . fluviatile spica longissima divisa, nobis*. Cited Hort. Cliff. 28, and Sp. Pl. 111. *Poa fluitans* L. = **Glyceria fluitans** Br.
17. *G. fluviatile geniculatum . . . Virginianum*. Cited Sp. Pl. ed. ii. 63. *Schoenus spathaceus* L. = **Dulichium spathaceum** Rich; confirmed by Dr. Stapf.

CAPUT V. **Gramen dactylum sive Ischaemon.**

- P. 184, 2. *Gramen dactylon annuum folio latiore*, C. B. P. Theat. *Digitaria sanguinalis* Scop., teste Dr. Stapf = **Panicum sanguinale** L. (I. K).
4. *G. . . folio arundinaceo minus*, C. B. P. Theat. *Cynodon Dactylon* Pers., confirmed by Dr. Stapf = **Capriola Dactylon** (L.) O. Kuntze.
7. *G. . . Aegyptiacum*, C. B. P. Theat. No specimen. Cited Sp. Pl. 73 for *Cynosurus aegyptius* L. = **Eleusine aegyptiaca** Desf.
- 185, 10. *G. . . repens Indicum . . . Tereta-pullu*, Hort. Mal. Pt. 12. p. 81. Two specimens: one *E. virginia* is **Eleusine indica** Gaertn., teste Dr. Stapf.
11. *G. . . Indicum esculentum spica articulata*, Ambr. Phyt. Cited Sp. Pl. ed. ii. 1379. **Tripsacum dactyloides** L., confirmed by Dr. Stapf.
12. *G. . . scoparium*, C. B. P. *Gr. Scoparium Ischaemi paniculis Gallicum* J. B. **Eleusine indica** Gaertn., teste Dr. Stapf.
15. *G. . . Indicum . . . Kouda-pullu*, Hort. Mal. Pt. 12, p. 95. Cited Sp. Pl. 1047 for *Andropogon fasciculatum* L. = *Chloris radiata* Sw. = *Chloris fasciculata* (L.). The specimen is **C. barbata** Swartz, teste Dr. Stapf.
19. *G. . . Americanum . . . sparsis*. **Eleusine indica** Gaertn., teste Dr. Stapf.

CAPUT VI. **Phalaris & Gramen phalaroides.**

- P. 186, 1. *Phalaris major annua semine albo*, C. B. P. Cited Sp. Pl. 54. **Phalaris canariensis** L.
2. *P. major semine nigro*, C. B. P. **P. minor** Retz. Confirmed by Dr. Stapf.
- 187, 3. *P. perennis major radice nodosa, nobis*. **P. nodosa** L., confirmed by Dr. Stapf.

5. *G. phalaroides* spica longa pyramidali, Sherardi. Brought to the Oxford garden by Sherard. *Koeleria phleoides* Pers., teste Dr. Stapf.
6. *G. . . .* spica brevi reclinata . . . D. Pl. Phyt. Cited Sp. Pl. ed. ii. 1665. *Phalaris paradoxa* L., confirmed by Dr. Stapf.

CAPUT VII. **Panicum & Gramen Panicum.**

- P. 188, 1. *Panicum Germanicum* sive panicula minore, C. B. P. Cited Hort. Cliff. 26 = *P. italicum* L. *Setaria italica* Beauv. var. *mitis* Alef., teste Dr. Stapf.
2. *P. italicum* panicula majore, C. B. P. Cited Hort. Cliff. 26. *P. italicum* L. = *Setaria italica* Beauv. sub-sp. *Moharium* (Alef.), teste Dr. Stapf.
 4. *P. Indicum* spica speciosa et pene divulsa. *S. italica* Beauv. var. *breviseta* (Doell.) ? f. *submonstrosa*, teste Dr. Stapf.
 5. *P. . . .* spica obtusa caerulea, C. B. P. *Pennisetum spicatum* Kcke., teste Dr. Stapf.
- 189, 10. *G. paniceum*, spica simplici *ἐλυμάγρωστis*, C. B. P. *Setaria viridis* Beauv.
11. *G. . . .* spica simplici aspera, C. B. P. *S. verticillata* Beauv.
 12. *G. . . .* serotinum spica laxa pyramidali, nobis. *Gastridium australe* Beauv. (I. K.). = *G. lendigerum* Gaud.
 13. *G. . . .* spica aspera latiore, nobis. *Cynosurus echinatus* L.
 14. *G. . . .* Americanum spicis e singulis geniculis prodeuntibus. Imperfect specimen. *Panicum colonum* L.? teste Dr. Stapf.
 15. *G. . . .* spica divisa primum, C. B. P. No specimen. Cited Sp. Pl. ed. ii. 83 for *P. Crus-galli* L.
 16. *G. paniceum* spica divisa aristis longis armata, 2. C. B. P. *P. Crus-galli* L., confirmed by Dr. Stapf.
 17. *G. . . .* spicis nigris, C. B. P. *P. Crus-galli* L., confirmed by Dr. Stapf.

CAPUT VIII. **Alopecuros & Gramen Alopecuroides.**

- P. 191, 1. *Alopecuros genuina*, Park. Cited Hort. Cliff. 25. *Lagurus ovatus* L.
3. *A. altera* maxima Anglica paludosa, Ger. Cited Sp. Pl. ed. ii. 89. *Alopecurus monspeliensis* L. = *Polypogon monspeliensis* Desf.
 4. *A. major* maritima repens spica longiore, nobis. *Imperata arundinacea* Cyr., teste Dr. Stapf.
 7. *A. Madraspatana* folio brevi crispo . . . nobis. No specimen. Cited Sp. Pl. ed. ii. 79 for *Saccharum spicatum* L. = *Perotis latifolia* Ait. = *Perotis spicata* (L.) comb. nov.

8. Gramen alopecuroides majus, Ger. **Phleum pratense** L.
 9. G. . . . medium folio lanuginoso, nobis. **Alopecurus pratensis** L.
 192, 11. G. . . . cum caudae muris purpurascens spica, nobis. The specimen is **Anthoxanthum odoratum** L.
 12. G. . . . spica longa tenuiore, nobis. **Alopecurus agrestis** L. = **A. myosuroides** Huds.
 13. G. . . . minus spica mucronata pyramidali, Sherardi. **Koeleria phleoides** Pers., teste Dr. Stapf.
 14. G. . . . Madraspatanum . . . D. Pluk. **Elytrophorus articulatus** Beauv., teste Dr. Stapf.
 15. G. . . . fluviatile geniculatum procumbens, nobis. **Alopecurus geniculatus** L.
 16. G. alopecuroides minus . . . spica subcaerulea, nobis. **Sesleria caerulea** Ard.
 17. G. alopecurinum humilius . . . nobis. 'Alopecurus agrestis L., teste Dr. Stapf = **A. myosuroides** Huds.
 18. G. pumilum hirsutum . . . Raii Hist. Collected by D. Dale. **Koeleria gracilis** Pers.
 19. G. pratense spica purpurea ex utriculo prodeunte, C. B. Theat. **Alopecurus utriculatus** Sol.
 20. G. spicatum montanum asperum, Raii. The locality given in the *Historia* is 'E rupium fissuris in Monte Ingleborough exit densis cespitibus'. On the accompanying label is *Gr. typhoides asperum* Mor. 38. *An spicatum mont. asperum* R. 20 H. Ox. 192.

This, therefore, may not be identical with Ray's plant. The specimens consist of three spikes, without foliage or stem, of **Phleum Boehmeri** Wibel, teste Dr. Stapf, which has never been reported from Ingleborough.

- 193, 25. G. alopecurinum vernum pratense . . . nobis. No specimen. Cited Hort. Cliff. 25. **Anthoxanthum odoratum** L.
 28. G. alopecuroides Indicum . . . majus spica longa pappescente, D. Pluk. Phyt. **Melica ciliata** L., teste Dr. Stapf.
 29. G. alopecuroides Indicum minus, spica sericea candida laxiore, D. Pluk. Phyt. **M. ciliata** L., teste Dr. Stapf.

CAPUT IX. Gramen typhoides sive typhinum, & cristatum.

- P. 193, 1. Gramen typhoides maximum spica longissima, C. B. P. Prod. No specimen. Cited Sp. Pl. ed. ii. 88 (wrong ref. to p. 188) for **Phleum pratense** L.
 2. G. . . . medium sive vulgatissimum, Park. Cited Hort. Cliff. 22. **P. pratense** L.
 194, 3. G. . . . minus, Ger. **P. pratense** L.

4. G. . . . minus radice dupliciter nodosa, nobis. *P. pratense* L. var. **nodosum** (L.).
6. *G. cristatum* Anglicum, Lob. **Cynosurus cristatus** L.
7. *G. spica cristata subhirsutum*, C. B. P. No specimen. Cited Sp. Pl. 63 for *Aira cristata* L. = **Koeleria cristata** Pers.

CAPUT X. **Gramen echinatum sive aculeatum.**

- P. 194, 1. *Gramen spica subrotunda echinata*, C. B. P. *Echinaria capitata* Desf. = **Panicastrella capitata** (L.) Moench.
- 195, 3. *G. album capitulis aculeatis Italicum*, C. B. P. Cited Sp. Pl. 42 *Schoenus aculeatus* L. = **Crypsis aculeata** Ait.; confirmed by Dr. Stapf.
4. *G. echinatum spicatum locustis crassioribus tribuloidibus Virginianum*. Cited Sp. Pl. 1050 for *Cenchrus tribuloides* L.; but the plant, *teste* Dr. Stapf, is **C. echinatus** L.
 5. *G. aculeatum Curassavicum*, Hort. Reg. Paris. Cited Sp. Pl. 1488 for *Cenchrus echinatus* L.; but the specimen, *teste* Dr. Stapf, is **C. tribuloides** L. Possibly the labels of this and of the previous specimen were transposed by Bobart.
 6. *G. humile latifolium*. . . . **Oplismenus hirtellus** R. & S., *teste* Dr. Stapf.

Distributio Secunda: De Calamiferis jubis sparsis, sive pediculis donatis, seminibus nudis sive decorticatis, iisque affinibus.

CAPUT XI. **Milium.**

- P. 196, 1. *Milium semine luteo vel albo*, C. B. P. **Panicum miliaceum** L., *teste* Dr. Stapf, cf. var. **aureum** Alef.
2. *M. semine nigro*, C. B. P. **P. miliaceum** L. var., *teste* Dr. Stapf.
 3. *M. Indicum angustiore folio, semine flavo*. . . . Cf. **P. psilopodium** Trin., *teste* Dr. Stapf.
 4. *M. Virginianum lato brevique folio*. . . . *E Virginia*. Cited Sp. Pl. 86 for *P. latifolium* L.; the specimen is **P. Porterianum** Nash, *teste* Dr. Stapf.
 7. *M. arundinaceum* . . . *sorgo nominatum*, C. B. P. Cited Sp. Pl. 1047 *Holcus Sorghum* L. = **Sorghum vulgare** Pers. The specimen is, *teste* Dr. Stapf, the var. **Arduini** Gmel.
 8. *M. arundinaceum plano alboque semine*, C. B. P. **S. vulgare** Pers. var., *teste* Dr. Stapf.
 10. *G. miliaceum vulgare*, Park. Cited Sp. Pl. 61. **Milium effusum** L. A specimen of *Deschampsia caespitosa* Beauv. is on the same sheet.

12. *G. miliaceum parvum repens* Hibernicum, Sherardi. From the Mourne mountains, collected by W. Sherard; doubtless the earliest Irish record. *Agrostis alba* L. var. *proprepens* Aschers.

CAPUT XII. Gramen Paniculatum.

- P. 199, 1. *Gramen segetum altissimum panicula sparsa*, C. B. P. Cited Hudson Fl. Angl. 29 for *Aira caespitosa* L. = *Deschampsia caespitosa* Beauv.; the specimen is, teste Dr. Stapf, *Agrostis Spica-venti* L. = *Apera Spica-venti* Beauv.
- Bobart seems to have confused two species, since *A. Spica-venti* does not grow 'in pascuis etiam junceis & aquosis', whereas *Deschampsia caespitosa* does; and the latter does not grow 'inter segetes' as does the former.
4. *G. parvum repens paniculis atrorubentibus, nobis*. The specimen is *Catabrosa aquatica* Beauv. There is some confusion here; the habitat given is 'in agris cultis', which is inapplicable to the specimen; and in the label on the sheet the word 'parvum', in the name, is replaced by 'udorum'.
5. *G. xerampelinum miliacea praetenui ramosaque sparsa panicula . . .* Lob. Illust. *Agrostis alba* Schrad., teste Dr. Stapf.
- 200, 8. *G. montanum paniculatum odoratum*, C. B. P. *Hierochloe borealis* R. & S. = *H. odorata* Wahl. = *Savastana odorata* Scrib.; confirmed by Dr. Stapf.
9. *G. nemorosum paniculis albis, capillaceo folio*, C. B. P. Cited Sp. Pl. 65. *Aira flexuosa* L. = *Deschampsia flexuosa* Trin. The first record for Oxfordshire and Berkshire.
11. *G. paniculatum purpuroargenteum locustis parvis annum*. Cited Sp. Pl. 66. *Aira caryophyllea* L.
12. *G. montanum panicula foliacea majus, nobis*. Gathered by Lhwyd upon Carnedd Llhwellyn, Carnarvonshire. Two specimens; the one *Deschampsia caespitosa* Beauv. f. *vivipara*; the other *Festuca ovina* L. f. *vivipara*.
13. *G. montanum panicula foliacea, capillaceo folio minus, nobis*. *Festuca rubra* L., f. *vivipara*.
15. *G. capitulo globoso foliaceo*. Probably *Dactylis glomerata* L., f. *vivipara*.
16. *G. minimum elegans paniculis elegantissimis*, C. B. P. No specimen. Cited Sp. Pl. 63 (no. 10 in error). *Agrostis minima* L. = *Mibora minima* Desv.
17. *G. agrorum venti spica*, Park. Cited Sp. Pl. ed. ii. 96. *Aira caespitosa* L. = *Deschampsia caespitosa* Beauv.
- 201, 18. *G. pratense majus latiore folio . . .* C. B. P. *Poa trivialis* L.

19. *G. pratense majus angustiore folio*, C. B. P. Hudson cites it for his *P. angustifolia*. *P. nemoralis* L.
20. *G. pratense paniculatum medium*, C. B. P. *P. pratensis* L.
21. *G. pratense minimum album et rubrum*, Ger. *P. annua* L.
22. *G. pratense serotinum panicula longa purpurascens*, Raii. Cited Sp. Pl. 64. *Aira caerulea* L. = *Molinia caerulea* Moench.
25. *G. . . . aquaticum latifolium*, C. B. P. Cited Sp. Pl. 67. *Poa aquatica* L. = *Glyceria aquatica* Wahl.
26. *G. . . . arundinaceum Syriacum. . . .* No specimen. Cited Sp. Pl. 1048 for *Holcus halepensis* L. = *Sorghum halepense* Pers.
- 202, 31. *G. caninum maritimum paniculatum*, Raii. *Teste* Dr. Stapf *Atropis maritima* Griseb. = *Glyceria maritima* Wahl. (I. K.).
33. *G. paniculatum Virginianum locustis minimis*. Cited Sp. Pl. 68 and Aiton Hort. Kew. i. 156 for *Poa capillaris* L.; the specimen, *teste* Dr. Stapf, is *Eragrostis Frankii* Steud. A second sheet with Bobart's label 202. 33, is *Panicum nitidum* Lam.
34. *G. pratense paniculatum molle*, C. B. P. *Holcus lanatus* L.
35. *G. paniculatum molle radice Graminis canini repente, nobis*. Cited Sp. Pl. ed. ii. 1485. *Holcus mollis* L.
37. *G. panicula pendula aurea*, C. B. P. Theat. *Lamarkia aurea* Moench.
38. *G. spicatum aspero folio*, C. B. P. Cited Sp. Pl. ed. ii. 105. *Dactylis glomerata* L.
- 203, 40. *G. spicatum asperum annuum, Morisoni*. Morison originally found this plant about Blois. *Dactylis glomerata* L. near var. *abbreviata* Bernh.
41. *G. arundinaceum acerosa gluma nostras*, Park. Cited Sp. Pl. ed. ii. 80. *Phalaris arundinacea* L. (Digraphis.)
42. *G. arundinaceum spicatum*, C. B. P. A form, with more condensed and strict panicles, of *P. arundinacea* L. Another sheet *G. spicatum spica multiplici semine oblongo . . . Moris. 42* has fragments of presumably this species.
43. *G. paniculatum folio variegato*, C. B. P. *P. arundinacea* L. forma *picta*.
45. *G. tremulum vulgare minus . . . nobis*. Cited Hort. Cliff. 23. *Briza media* L.; also a sheet *variat. spicis albicantibus* var. *albida* Lej.
47. *G. tremulum minus locusta deltoide, nobis*. Cited Hort. Cliff. 23. *B. minor* L. (Wrongly referred by Aiton, Hort. Kew. i. 156, to *Poa Eragrostis*.)

48. *G. tremulum maximum*, C. B. P. Cited Hort. Cliff. 43.
B. maxima L.
51. *G. μυλοικοφόρον ὀξύφυλλον* Carolinianum, D. Pluk. No specimen. Cited Hort. Cliff. 23. **Uniola paniculata** L.
- 204, 52. *G. paniculis elegantissimis*, C. B. P. Cited Sp. Pl. 71.
Briza Eragrostis L. = **Eragrostis major** Host.
54. *G. amoris alterum* . . . Raii Itin. The localities given are Montpellier and Florence; but the specimen, *teste* Dr. Stapf, is **Eragrostis amabilis** W. & A., which is not a native of Europe.
55. *G. amoris Indiae Orientalis* . . . D. Pluk. Phyt. **E. aspera** Nees (I. K.), *teste* Dr. Stapf.

Distributio Tertia: De Calamiferis spicatis, granis corticatis asperis, iisque affinibus.

CAPUT XIII. **Zea sive Briza.**

- P. 205, 2. *Zea Briza dicta vel monococcus* Germanica, C. B. P. **Triticum monococcum** L., *teste* Dr. Stapf.
4. *G. spica Brizae majus*, C. B. P. **Brachypodium pinnatum** Beauv.
5. *G. spica Brizae minus*, C. B. P. **B. distachyum** Beauv.

CAPUT XIV. **Hordeum & Gramen Hordeaceum.**

- P. 206, 1. *Hordeum dystichon*, C. B. P. Cited Sp. Pl. ed. ii. 125. **Hordeum distichon** L. Professor Percival distinguishes the right and left specimens on the sheet as var. *nutans*, the middle one as var. *erectum* Schübl.
2. *H. dystichum spica lata compressa brevior*, nobis. Cited Sp. Pl. ed. ii. 125. *H. zeocriton* L. = **H. distichum** L. var. **zeocritum** Kcke., *teste* Dr. Stapf.
3. *H. polystichum hybernum*, C. B. P. Cited Sp. Pl. ed. ii. 125 for *H. vulgare* L. var. *celaeste* L.; the specimen, *teste* Dr. Stapf, is **H. vulgare** var. **pallidum** Kcke.

Distributio Quarta: De Calamiferis jubis sparsis, granis tunicatis, iisque affinibus.

CAPUT XV. **Oryza.**

- P. 208, 1. *Oryza*, C. B. T. Cited Hort. Cliff. 137. **Oryza sativa** L.

CAPUT XVI. **Avena, Bromos, & Aegilops.**

- P. 209, 1. *Avena vulgaris seu alba*, C. B. P. **Avena sativa** L.; Dr. Stapf suggests cf. var. **aurea** Kcke.

3. *A. nigra*, C. B. P. **A. fatua** L. var. **glabrata** Peterm., teste Dr. Stapf.
4. *A. nuda*, C. B. P. **A. sativa** L. var. **nuda**, teste Dr. Stapf.
5. *A. sylvestris pilosa aristis recurvis*, nobis. **A. fatua** L.
- 210, 8. *A. Lusitanica spicata*, caput Medusae referens. No specimen. Cited Sp. Pl. 84 for **Elymus Caput Medusae** L.
9. *A. perennis Austriaca capillacea* . . . nobis. **Aristida Hystrix** L., teste Dr. Stapf.

CAPUT XVII. **Festuca, Gramen avenaceum.**

- P. 212, 10. *Festuca sive Aegilops capitulis duris*, C. B. P. **Triticum ovatum** Rasp.
11. *F. avenacea sterilis elatior* . . . C. B. P. Cited Sp. Pl. 77. **Bromus sterilis** L.
13. *F. . . . sterilis*, pediculis brevioribus et spicis erectis. Cited Sp. Pl. ed. ii. 114 for *B. tectorum* L.; but the specimen is **B. madritensis** L.; confirmed by Dr. Stapf.
14. *F. graminea longissimis aristis glumis vacuis*, C. B. P. **B. rubens** L.
16. *G. avenaceum locustis majoribus squamatis segetale majus*, nobis. **B. secalinus** L.
- 213, 18. *G. . . . pratense panicula squamata et villosa*, nobis. Cited Sp. Pl. ed. ii. 112. *Bromus mollis* L. = **B. hordeaceus** L.
19. *G. . . . pratense gluma tenuiore glabra*, nobis. From *S. Dale*. **B. commutatus** Schrad.
20. *G. . . . glabrum panicula purpuroargentea splendente*, Raii. **B. erectus** Huds. forma, teste Dr. Stapf.
21. *G. . . . erectum foliis angustioribus glabris*, nobis. **Avena pratensis** L.
22. *G. . . . erectum foliis latioribus hirtis*. **Avena pubescens** Huds.
26. *G. . . . dumetorum paniculatum majus glabrum*, nobis. *Bromus asper* Murr. (I. K.) = **B. ramosus** Huds.
27. *G. . . . dumetorum paniculatum majus hirsutum*, nobis. Cited Sp. Pl. ed. ii. 113 for *Bromus arvensis* L.; but Bobart's description points to a more hirsute form of **B. ramosus** Huds., which is what the specimens are.
- 214, 29. *G. . . . paniculatum Gallo-Provinciale* . . . Schol. Bot. Par. Collected by W. Sherard. Cited Sp. Pl. ed. ii. 90. *Milium paradoxum* L. = **Oryzopsis paradoxa** Nutt.
30. *G. . . . glabrum panicula è spicis raris strigosis composita, aristis tenuissimis*, D. Doody (Fulham). **Bromus giganteus** L. (vide infra).
- This specimen is on the same sheet as part of the following.

31. G. . . . paniculatum rigidis angustis foliis, nobis. *Stipa Calamagrostis* Wahl., teste Dr. Stapf.
33. G. . . . dumetorum elatius latiore folio spicatum, Raii Hist. B. gracile Beauv. = *Brachypodium sylvaticum* R. & S.
35. G. . . . Madraspatanum locustis rarioribus . . . D. Pluk. *Apluda varia* Hackel, teste Dr. Stapf.
37. G. . . . elatius juba longa splendente, Raii. No specimen. Cited Sp. Pl. 79 for *Avena elatior* L. = *Arrhenatherum elatius* M. & K.
38. G. . . . elatius radice tuberculis praedita, nobis. No specimen. *A. tuberosa* (Gilib.) Druce.
- 215, 42. G. . . . panicula flavescente locustis parvis, Raii. Cited Sp. Pl. 80 for *Avena flavescens* L. = *Trisetum flavescens* Beauv.
43. G. . . . murorum spica longissima, Ger. No specimen. Cited Sp. Pl. 75 for *Festuca myuros* L.
49. G. avenaceum locustis rarioribus, C. B. T. 155. Hudson cites it for his *Melica nutans*; but the specimen is *M. Bauhini* All.; confirmed by Dr. Stapf.
- 216, 51. G. . . . locustis rarioribus muticis Virginianum majus. Cited Sp. Pl. 67 for *Melica altissima* L.; but the specimen is, testibus Dr. Stapf and W. B. Turrill, *M. mutica* Walt.

CAPUT XVIII. Gramen sparteum.

- P. 217, 8. Gramen sparteum capillaceo folio minus, C. B. P. *Nardus stricta* L.

The following specimens are not described in the *Historia*.

Gramen Sparteum Serotinum spica lobatim in duas tresve spicas alternas quasi fissili unam praecipue partim spectante, Buddle; with a note in his writing—*I found it abundantly in ye marshes upon ye river Wallfleet near Fambridge Ferry, Essex. Spartina stricta* Roth.

Gr. pratense medium culmo compresso Buddle. At Maldon in Essex upon walls, likewise amongst corn in Suffolk. . . . Poa compressa L.

Gr. caninum maritimum spicis spicam totalem componentibus crassioribus et rarioribus, Buddle. Ad oras Suffolk, Prope Yarmouth. Agropyron junceum Beauv., near var. *megastachyum* (Fries) Druce.

Gr. cristatum quadratum seu quatuor cristatarum glumarum versibus, Raii Syn. 252, in S. Dale's writing. Cynosurus cristatus L.

Gr. typhinum maritimum minus, 3 Raii Syn. 252. Phleum arenarium L.

Gr. foliolis brevibus junceis minus, C. B. *Theat.* **Festuca ovina** L. var. **paludosa** (Gaud.).

Lolium album spica aristata. **Lolium temulentum** L.

Gr. minimum spica brevi habitiore, nostrum, *Raii Syn.* 253. From S. Dale, and label in his writing. **Aira praecox** L.

Gr. paniculatum locustis phoeniceis tremulis, *Tourn.* **Briza maxima** L.

CAPUT XIX. **Gramina maxima Arundines dicta.**

- P. 218, 1. *Arundo vulgaris palustris*, J. B. *Arundo Phragmites* L. = **Phragmites vulgaris** (Lam.) Druce.
2. *A. sylvatica elatior panicula molli candida . . . nobis.* **Calamagrostis epigeios** Roth.
3. *A. plumosa alba ramosa, nobis.* One sheet is **Erianthus Ravennae** Beauv., *teste* Dr. Stapf; the other (from *H. O.*) is *Phragmites vulgaris*.
- 219, 9. *Arundo Indica Laconica versicolor*, Park. No specimen. Cited Sp. Pl. 81 for *Arundo Donax* L. var. β ; and in Aiton's *Hort. Kew.* i. 173 for *A. versicolor* Mill.; *A. Donax* L. var. **versicolor** (Mill.).
- 221, 24. *A. farcta vallium Ravennae, Zanoni.* No specimen. Cited Sp. Pl. ed. ii. 148 (for fig. 32) for *Andropogon ravenae* L. = **Erianthus Ravennae** Beauv. (Linnaeus in error wrote 'alpium' for 'vallium' and 'ravenae' for 'ravennae'.)

CAPUT XX. **Gramen tomentosum.**

- P. 224, 1. *Gramen tomentosum pratense panicula sparsa*, C. B. P. et *Theat.* **Eriophorum angustifolium** Roth.
2. *G. . . . capitulo ampliore . . . Virginianum.* No specimen. Cited Sp. Pl. 53 for **E. virginicum** L.
6. *G. juncoides lanatum alterum Danicum*, Park. 'In agro Salopiensi.' **E. vaginatum** L.

CAPUT XXI. **Gramen hirsutum.**

- P. 225, 1. *Gramen hirsutum latifolium majus*, C. B. P. Cited *Hort. Cliff.* 468. *Juncus pilosus* L. = *Luzula* = **Juncoides pilosum** Morong.
2. *G. . . . latifolium maximum . . . Cur.* **Juncoides sylvaticum** (Huds.).
3. *G. . . . angustifolium majus*, C. B. P. *Luzula multiflora* DC. = **Juncoides multiflorum** Druce.
4. *G. . . . capitulis Psyllii*, C. B. P. Cited *Hort. Cliff.* 137. *Juncus campestris* L. = **Juncoides campestre** Morong.

CAPUT XXII. **Gramen Junceum.**

- P. 227, 1. *Gramen junceum articulatum palustre erectum et elatius, nobis. Cited Sp. Pl. 327. Juncus articulatus L. var. γ = J. articulatus L.*
2. *G. . . articulatum palustre humilius . . . nobis. J. lampocarpus Ehrh. = J. articulatus L.*
3. *G. . . minimum Holosteo Matthioli congener, Park. J. supinus Moench = J. bulbosus L.*
4. *G. . . aquaticum . . . proliferum, D. Pluk. Phyt. J. bulbosus L. var. vivipara.*
6. *G. . . maritimum . . . nobis. Cited Sp. Pl. 43. Schoenus mucronatus L. = Cyperus aegyptiacus Glox. = Cyperus mucronatus (L.).*
11. *G. . . Junci sparsa panicula, Park. Cited Sp. Pl. ed. ii. 466. Juncus bulbosus L.*
The young specimens are, I believe, *J. Gerardi* Lois. In this the Rev. E. S. Marshall agrees.
- 228, 14. *G. nemorosum calyculis paleaceis, C. B. P. Juncus bufonius L.*
15. *G. junceum Virginianum . . . nobis. Cited Sp. Pl. ed. ii. 466. for J. nodosus L.*
The specimens are *J. tenuis* Willd. Interesting as showing that this American species was so long ago known in Europe.
18. *G. . . spicatum seu triglochin, C. B. P. Triglochin palustre L.*
- 229, 25. *G. ad junceum accedens aromaticum majus Syriacum, nobis. Cited Sp. Pl. 1481. Andropogon Schoenanthus L.*
28. *G. junceum Brasilianum . . . nobis. Cited Sp. Pl. ed. ii. 62. Xyris indica L.*
29. *G. . . Hibernicum minus Thlaspios capitulis, Sherardi. Cited DC. Syst. ii. 698. Subularia aquatica L.*
Sherard first discovered it in Ireland. An extraordinary idea of its systematic position is shown by Bobart in placing it in this section.
- 230, 30. *G. . . sive Holosteu minimum palustre . . . Raii. Cited Sp. Pl. 115 and DC. Prod. xiii. 737. Plantago uniflora L. = Littorella juncea Berg. = L. uniflora Aschers.*
31. *G. . . clavatum minimum . . . Raii. Cited Sp. Pl. 48. Scirpus fluitans L.*

Plantae Fungosae enodes & aphyllae.

CAPUT XXIII. **Juncus.**

- P. 231, 1. *Juncus maximus sive Scirpus, C. B. P. Soirpus lacustris L.*

2. *J. sive Scirpus medius*, C. B. P. **Scirpus lacustris** L.
4. *J. laevis panicula sparsa major*, C. B. P. **Juncus effusus** L.
5. *J. laevis alter*, C. B. P. **J. effusus** L., var. **compactus** Lej. & Court.
7. *J. laevis panicula non sparsa*, C. B. P. **J. conglomeratus** L.
- 232, 13. *J. acutus vulgaris*, Park. **J. glaucus** Ehrh. = **J. inflexus** L.
14. *J. acutus maritimus Anglicus*, Park. 1194. **J. maritimus** Lam.
15. *J. pungens sive acutus capitulis Sorghi*, J. B. Cited Sp. Pl. 325. **J. acutus** L.
16. *J. montanus humilis palustris . . . nobis*. **J. squarrosus** L.
17. *J. maritimus capitulis rotundis*, C. B. P. et Theat. 'In agro Hantoniensi detexit D. Sherard; in comit. Somersetensi quoque invenitur.' **Scirpus Holoschoenus** L.
20. *J. acutus maritimus caule triangulo*, C. B. P. Cited Sp. Pl. 50. **S. mucronatus** L.
21. Huic addit Cl. D. Pluknet Tab. 40. **S. triqueter** L.
23. *Juncellus omnium minimus*, Adv. Lob. No specimen. Cited Sp. Pl. 49 for **S. setaceus** L.
- 233, 24. *J. perpusillus Aethiopicus capillaceus . . . nobis*. **Cyperus tenellus** L. fil., *testibus* Dr. Stapf and W. B. Turrill.
25. *Juncus acumine reflexo major*, C. B. P. Cited Sp. Pl. 326 for *Juncus inflexus* L.
 Only a fragment, but it is not *J. glaucus* Ehrh. usually considered to be synonymous with *J. inflexus* L.; it is suggested by W. B. Turrill and Dr. Stapf that it may be **Scirpus ? Holoschoenus** L.
28. *J. laevis panicula glomerata nigricante*, C. B. P. Cited Sp. Pl. 43. **Schoenus nigricans** L.
30. *J. Africanus pectinato capite*. Cited Sp. Pl. 1068. **Acrostichum pectinatum** L., not a Rush but a Fern.
32. *J. capitulis Equiseti major*, C. B. P. **Scirpus palustris** L. = **Eleocharis palustris** Br.
33. *J. clavatus major capitulis longioribus . . . E. palustris* Br.
34. *J. clavatus medius capitulis rotundioribus*. Fragments of **E. palustris** Br.
35. *J. parvus montanus cum parvis capitulis luteis*, J. B. Chabr.
 There is confusion among the specimens under this number. One sheet, labelled by Bobart *Juncus parvus palustris cum parvis capitulis Equiseti*, R. H., 35 H. Ox., is **Scirpus caespitosus** L.; the other sheet, labelled with both these names, bears two specimens; one sterile, which may be *S. caespitosus* L.; the other fertile, which is **Eleocharis multicaulis** Sm.
- 234, 37. *Juncellus clavatus minimus . . . Bocc.* Cited Sp. Pl. 48. **Scirpus acicularis** L. = **Eleocharis acicularis** Br.

Distributio Quinta : Plantae Graminifoliae Enodes.CAPUT XXIV. **Cyperus.**

- P. 236, 5. *Cyperus Madraspatensis* major paniculis turgidioribus densius stipatis. *Juncellus alopecuroides* C. B. Cl., *testibus* W. B. Turrill and Dr. Stapf.
8. *C. rotundus inodorus littoreus*, Ger. ***Scirpus maritimus* L.**
10. *C. rotundus esculentus angustifolius*, C. B. P. Cited Sp. Pl. 45. ***C. esculentus* L.**
12. *C. Madraspatensis panicula sparsa* . . .
Two specimens: the one on the right, probably the type, is ***Mariscus Sieberianus* Nees**, *testibus* W. B. Turrill and Dr. Stapf. The other is ***Cyperus digitatus* Roxb.** Another sheet *Gr. Cyp. Madrasp. panicula magis sparsa et speciosa*, ***C. flavidus* Retz.**
- 237, 13. *C. longus odoratus*, C. B. P. Fragmentary specimen, no flowers, probably ***C. longus* L.**
15. *C. longus latifolius locustis plurimis* . . . nobis. 'Prope Hinksey,' Berkshire, where it still grows. ***Scirpus sylvaticus* L.**
16. *C. Americanus major Lithospermi semine*. Cited Sp. Pl. ed. ii. 65. *Schoenus lithospermus* L. = ***Scleria Flagellum nigrorum* Berg.** Dr. Stapf says *Scleria* sp.
On the same sheet is *Sorghum vulgare* Pers. var. *bicolor* = ***Andropogon halepensis* Brot. var. bicolor.**
24. *C. longus inodorus major* . . . nobis. Cited Sp. Pl. ed. ii. 62. *Schoenus Mariscus* L. = *Cladium jamaicense* Crantz = ***C. Mariscus* Br.**
- 238, 25. *C. longus inodorus latifolius* . . . nobis. Ad Thamesis ripas. ***C. Mariscus* Br.**
27. *C. Americanus* . . . nobis. A sheet of mixed specimens. One, probably the type, is, *testibus* W. B. Turrill and Dr. Stapf, ***Mariscus ovularis* Vahl**, the other *Wassumbo Curry*, ***Cyperus difformis* L.**
29. *C. Minor Madraspatensis panicula sparsa* . . . nobis. ? ***Pycreus flavescens* Nees**, *teste* W. B. Turrill and Dr. Stapf.
30. *C. . . Juncelli Gesneri capitulis*. ***Fimbristylis diphylla* Vahl**, *testibus* W. B. Turrill and Dr. Stapf.
32. *C. . . rarius et tenuius, spicatus*, nobis. ***Cyperus compressus* L.**, *testibus* W. B. Turrill and Dr. Stapf.
35. *C. Madraspatanus spicis plurimis summo caule in orbem congestis*. ***Fuirena glomerata* Lam.**, *testibus* W. B. Turrill and Dr. Stapf.
- 239, 37. *C. minor pulcher panicula lata compressa subflavescente*, nobis. Cited Sp. Pl. 46. ***C. flavescens* L. = *Pycreus flavescens* Beauv. (I. K.)**, *testibus* W. B. Turrill and Dr. Stapf.

38. *C. minor pulcher panicula compressa nigricante, nobis.*
Cited Sp. Pl. 47. **C. fuscus** L.
39. *C. minor palustris hirsutus paniculis albis paleaceis, nobis.*
There is a double error here. The figure 39 on tab. 9 is poorly drawn and bears a superficial resemblance to *Rynchospora alba* and to *Juncoides (Luzula) niveum*. Linnaeus indeed quotes it for both species, Sp. Pl. p. 44 for *Schoenus albus* and ed. ii, p. 468 for *Juncus niveus*. One at least of Bobart's synonyms belongs to the latter species; but that of Gerard *Gramen junceum leucanthemum* refers to *Rynchospora alba*, as does Bobart's description of the habitat '*in humidis locis*', and his locality Windsor Forest also refers to *Rynchospora alba* and is taken from Johnson's *Gerard*, p. 30, 1633. But Bobart's specimens in the Herbarium are ***Juncoides niveum* (L.)**. Hudson, *Ff. Anglica*, p. 15, 1762, refers Bobart's plant to *Rynchospora alba*, as *Schoenus albus*.
40. *C. minor angustifolius palustris capitulis fuscis paleaceis.*
The description and f. 40 is cited by Linnaeus in Sp. Pl. ed. ii. 1664 for *Schoenus fuscus* which the description '*capitulis fuscis paleaceis*' fits; but the specimens are ***Rynchospora alba* Vahl** with glumes more coloured than usual. The Morison synonym should therefore be deleted from Sp. Pl.
41. *C. Niloticus vel Syriacus maximus papyraceus, nobis.* No specimen. Cited Sp. Pl. 47 for ***Cyperus Papyrus* L.**

CAPUT XXV. **Gramen Cyperoides.**

- P. 242, 3. *Gramen cyperoides angustifolium spicis longis erectis,*
C. B. P. ***Carex gracilis* Curtis.**
4. *G. . . majus spica pendula longiore, Park.* ***C. pendula* Huds.**
5. *G. . . spica pendula brevior, C. B. P. Theat.* Cited Sp. Pl. 987. ***C. Pseudo-Cyperus* L.**
6. *G. . . majus praecox spicis turgidis teretibus flavescentibus.*
From Christ Church Meadow: the first record for Oxfordshire. Cited Sp. Pl. 979. ***C. vesicaria* L. var. γ .**
On the sheet is also ***C. inflata* Huds.**
8. *G. . . medium angustifolium . . .* Erroneously cited Sp. Pl. ed. ii. 1383 for *C. elongata* L. The figure cited (tab. 12, no. 8) does not resemble that species, nor does it grow in the locality (Hockley, near Oxford) mentioned. The specimens, as also the description and the figure, are referable to ***C. inflata* Huds.**
9. *G. . . sylvarum tenuius spicatum, Park.* Cited in error Sp. Pl. 979 for *C. vesicaria* L. var. β . The specimen is, as the description and habitat suggest, ***C. sylvatica* Huds.**

10. *G.* . . . polystachyon lanuginosum, Raii. Cited Sp. Pl. 975. **C. hirta** L.
11. *G.* . . . spicatum foliis caryophylleis, Park. *C. glauca* Scop. = **C. flacca** Schreber.
12. *G.* . . . caryophylleum angustissimis foliis . . . nobis. First found in Oxfordshire by Bobart's brother Tilleman. **C. Goodenowii** Gay.
13. *G. cyperoides* caryophylleum elatius . . . The description points to *C. panicea* L.; but the specimen is **C. flacca** Schreber.
- 243, 14. *G.* . . . longiore et angustiore folio . . . nobis. No specimen. Cited Sp. Pl. ed. ii. 1388, n. 34 (*an potius* f. 3) for **C. caespitosa** L.
15. *G. caryophyllatum* montanum spica varia, C. B. P. **C. digitata** L.
16. *G. cyperoides* polystachyon flavicans . . . Raii. *C. verna* Chaix = **C. caryophyllea** Latour.
17. *G.* . . . angustifolium . . . Raii. No specimen. Cited Sp. Pl. ed. ii. 1383 for **C. remota** L.
18. *G.* . . . gracile alterum . . . Lob. Stirp. Illust. 'Ultra Ifley pagum', first Oxford record. Cited Sp. Pl. 1388, n. 33. **C. distans** L.
19. *G.* . . . palustre aculeatum, C. B. P. Cited Sp. Pl. 975. **C. flava** L.
The specimen is not the normal form.
- 244, 21. *G.* . . . minimum seminibus . . . puliciformibus, Raii. Cited Sp. Pl. 973. **C. pulicaris** L.
22. *G.* . . . minimum spica cassa simplici, Raii. Hockley, Oxon., first record. Cited Sp. Pl. 972 for **C. dioica** L.; but the specimen on one of the two sheets is **C. flava** L. var. **oedocarpa** And.
23. *G.* . . . palustre elatius spica longiore laxa, Raii. Cited Sp. Pl. ed. ii. 1384. **C. paniculata** L.
24. *G.* . . . palustre majus spica compacta, C. B. P. No specimen. Cited Sp. Pl. 974 (fig. 14) for **C. vulpina** L.
25. *G.* . . . spicis minoribus minusque compactis, C. B. P. *C. contigua* Hoppe = **C. muricata** L.
26. *G. nemorosum* spicis parvis asperis, C. B. P. No specimen. Cited Sp. Pl. 974 (fig. 7) for **C. muricata** L.
27. *G. sylvaticum* tenuifolium rigidiusculum, J. B. **C. leporina** L.
28. *G. cyperoides* aculeatum minus . . . nobis. **C. disticha** Huds. forma.
Another sheet has a scrappy specimen from W. Sherard *G. cyp. spicat. minus s. longa divisa seu interrupta* R., **C. divulsa** Stokes.

29. G. . . . palustre majus spica divisa, C. B. P. Cited Sp. Pl. 973 for *C. leporina* L. The specimens are *C. disticha* Huds.
30. G. . . . medium . . . maritimum, nobis. *C. arenaria* L.
- 245, 31. G. . . . elegans spica composita asperiore, Raii. Cited Sp. Pl. ed. ii. 1381 for *C. brizoides* L. The specimens are *C. curta* Good. = *C. canescens* L.
32. G. . . . medium . . . Raii. *C. disticha* Huds.
33. G. . . . foliis mollibus, spicis brevibus . . . Raii. Probably from Doody who first discovered it on Hampstead Heath, as recorded in Ray's *Historia*, 1688. *C. pilulifera* L.
34. G. . . . ex monte Ballon . . . Raii. *C. disticha* Huds. forma.
35. G. . . . spica simplici compressa disticha, Raii. No specimen. Cited Sp. Pl. 43 for *Schoenus compressus* L. = *Blysmus compressus* Panz. = *Scirpus caricis* Retz = *S. compressus* Pers.
36. G. . . . minimum Ranunculi capitulo simplici . . . Cited Sp. Pl. ed. ii. 1380 (f. 6) for *Carex capitata* L.: 'Haud longe ab Oxonio nascitur.' There is no specimen; but if from Oxford, the plant could not be this species. Bobart probably meant the female form of *C. dioica*.
38. G. . . . minimum Ranunculi capitulo simplici longiore et molliore. Contributed by W. Sherard. It is the luxuriant female plant of *C. dioica* L.
40. G. . . . caryophylli proliferi capitulo simplici squamato. From *D. Lhwyd*. Cited erroneously in Sp. Pl. 43 and Hudson's Fl. Angl. 14 for *Schoenus ferrugineus* L. The specimen is the earliest known of *Scirpus pauciflorus* Lightf.

The following specimens are not mentioned in the *Hist.*
Gramen cyperoides polystachion majusculum latifolium, spicis multis, longis, strigosis, Raii Syn. 265. *Carex strigosa* Huds.

Gr. cyp. spicatum minimum spica diculsa aculeata, ii Raii Syn. 269. *Carex eohinata* Murr.

Gr. cyp. una alterave spica rotunda praeter cassam, Doodii, Raii Syn. 345. *C. caryophyllea* Latour.

Gr. junceum polyceraton foliolis plurimis e nodis proferens. Potamogitoni affinis graminifolia aquatica Raii Syn. 281. *Juncus bulbosus* L. forma.

Juncus aquaticus major carinatus, D. Doody. This differs not much from ye common Bull-rush, chiefly in ye furrows yt run all along ye scape which looking narrowly you may discover in these dry specimens. It grows in ye river Thames. First found by Doody prior to 1716. *Scirpus carinatus* Sm., now considered to be a hybrid, *S. lacustris* × *triqueter*.

Gr. cyp. angustifolia majus et elatius ex Monte Ballon simile.
In prato Aedis Christi. First record for Oxon of *Carex disticha* Huds.

Gr. cyp. angustifolium spicis parvis sessilibus in foliorum alis,
R. Syn. 267. 'Well cut by your Tab 17' in Buddle's writing.
 The plant is *Carex remota* L. With it Buddle puts his
insignis varietas si non species distincta . . . which is
C. axillaris Good.

Gr. cyp. spicis oblongis distantibus in foliorum longiorum alis
sessilibus var. 12 Raii Syn. 266. *C. helodes* Link, teste
 Arth. Bennett.

Gr. cyp. longum gracile foliolo oblongo spica parva compacto
subjecto, junci speciem referens. *C. pilulifera* L.

Gr. cyp. spicis brevibus congestis folio molli, Raii Fascic.
D. Doody. *C. caryophyllea* Latour.

270, f. 16, si non idem *D. Vernon.* *C. dioica* L. ♀, teste
 E. S. Marshall who writes 'fruit remarkably patent'.

Gr. cyp. parvum Ranunculi capitulo longiore, D. Sherard. *In*
ye county of Down on Mount. Bogs Dr. Sherard. *C. dioica* L.

Gr. sparteum serotinum spica totali in duas tresve spicas alternas
quasi fissili, unam praecipue partem spectante, Buddle. 'I
 found it abundantly on ye Marshes upon ye river Wallfleet
 near Fambbridge ferry in Dengey hundred, Essex.' *Spartina*
stricta Roth.

CAPUT XXVI. *Typha palustris.*

- P. 246, 1. *Typha palustris major*, C. B. P. No specimen. Cited Sp.
 Pl. 971 for *T. latifolia* L.
 2. *T. palustris media*, J. B. No specimen. Cited Sp. Pl. 971
 for *T. angustifolia* L.
 4. *T. aromatica clava rugosa*, nobis. No specimen. Cited
 Hort. Cliff. 137. *Acorus Calamus* L.

CAPUT XXVII. *Sparganium.*

- P. 247, 1. *Sparganium ramosum*, C. B. P. Ger. Park. No specimen.
 Cited Hort. Cliff. 439. *Sparganium erectum* L.
 3. *S. non ramosum*, C. B. P. *S. simplex* Huds.

CAPUT XXVIII. *Frumentum Indicum Mayz dictum.*

- P. 248, 1. *Frumentum Indicum Mayz dictum*, C. B. P. No speci-
 men. Cited Hort. Cliff. 437. *Zea Mays* L.

CAPUT XXIX. *Lachryma Jobi.*

- P. 249, 1. *Lithospermum arundinaceum*, C. B. P. *Coix Lachryma-*
Jobi L.

CAPUT XXX. **Arundo florida seu Canna Indica.**

- P. 250, 1. *Arundo Indica latifolia*, C. B. P. No specimen. *Canna indica* L.
 6. *Canna Indica angustifolia flore luteo*. No specimen. Cited Sp. Pl. 1 for *C. angustifolia* L.

CAPUT XXXI. **Zinziber & Zedoaria.**

No specimens.

CAPUT XXXII. **Curcuma.**

No specimens.

CAPUT XXXIII. **Cardamomum.**

No specimens.

CAPUT XXXIV. **Galanga.**

No specimens.

CAPUT XXXV. **Costus.**

No specimens.

CAPUT XXXVI. **Nardus.**

No specimens.

CAPUT XXXVII. **Plantago.**

- P. 258, 2. *Plantago latifolia vulgaris*, Park. No specimen. Cited DC. Prod. xiii. 694 for *Plantago major* L.
 259. 6. *P. latifolia incana*, C. B. P. No specimen. Cited Hort. Cliff. 38, and DC. Prod. xiii. 698 for *P. media* L.
 7. *P. rosea flore expanso*, J. B. *P. media* L. var.
 8. *P. media incana Virginiana serratis foliis, annua*. No specimen. Cited Sp. Pl. 113 for *P. virginica* L.
 9. *P. angustifolia major*, C. B. P. No specimen. Cited Hort. Cliff. 38. *P. lanceolata* L.
 13. *P. angustifolia capitulis Lagopi*, C. B. P. No specimen. Cited Sp. Pl. 114 for *P. Lagopus* L.
 17. *Plantaginella aurea alopecuroides Brasiliiana foliis gramineis*, Breyn. Cent. i. No specimen. Cited Sp. Pl. ed. ii. 128 for *Eriocaulon triangulare* L. = *Paepalanthus triangularis* Koern.
 260, 19. *Plantago pilosa laciniata Apula*, Col. No specimen. Cited Sp. Pl. ed. ii. 166 for *Plantago serraria* L.
 23. *P. mollis sive Holosteum hirsutum albicans majus*, C. B. P. Probably a form of *P. Coronopus* L., teste Bucknall and White.

28. *Holosteum Massiliense*, C. B. P. **Plantago carinata** Schrader, *testibus* Bucknall and White.
- 261, 31. *Coronopus hortensis*, C. B. P. No specimen. Cited Hort. Cliff. 37 (wrong ref. to p. 193) **Plantago Coronopus** L.

CAPUT XXXVIII. **Psyllium.**

- P. 262, 1. *Psyllium semper virens*, Lob. No specimen. Cited Sp. Pl. ed. ii. 168 for **Plantago Cynops** L.
2. *P. annuum majus foliis integris, nobis*. Cited Hort. Cliff. 37. **P. Psyllium** L.
4. *P. foliis crenatis Indicum*, C. B. P. et Prod. No specimen. Cited Sp. Pl. ed. ii. 168 for *P. afra* L. = **P. Psyllium** L.

Plantae Spicatae foliis pennatis.

CAPUT XXXIX. **Pimpinella Sanguisorba.**

- P. 263, 1. *Pimpinella sanguisorba minor hirsuta*, C. B. P. Cited Hort. Cliff. 446. **Poterium Sanguisorba** L.
3. *P. . . . minor foliis elegantius laciniatis*, Schol. Bot. Par. ?**P. verrucosum** Ehrenb.
4. *P. Tingitana minor semine rugosiore majore*. **P. verrucosum** Ehrenb.
5. *P. spinosa*, Park. Cited Sp. Pl. 994. **P. spinosum** L.
- 264, 7. *P. sanguisorba major*, C. B. P. *Sanguisorba officinalis* L. = **P. officinale** A. Gray.
9. *P. Agrimonoides*, D. Moris. Praelud. Bot. Cited Sp. Pl. 994. **P. hybridum** L.
12. *P. sanguisorba Canadensis major, spica longiore alba*. Cited Sp. Pl. 117. *Sanguisorba canadensis* L. = **P. canadense** A. Gray.

CAPUT XL.

- P. 265, 1. *Umbelliferis affinis capitulis globosis et villosis, nobis*. Cited Hort. Cliff. 73. **Lagoecia Cuminoides** L.

SECTIO IX. DE UMBELLIFERIS.

Distributio Prima: De Plantis umbelliferis piliferis, seu substantia fungosa obduetis.

CAPUT I. **Cachrys.**

- P. 267, 1. *Cachrys semine fungosa laevi, nobis*. Cited Aiton Hort. Kew. ii. 136. **C. Morisonii** All. (*C. laevigata* Lam. I. K.).
2. *C. seu Libanotis . . . nobis*. Leaf only. **C. laevigata** DC., teste Dr. Stapf.

3. *C. Peucedani folio semine sulcato aspero minore, nobis.* On the plate it is labelled *C. semine fungoso sulcato aspero minore, foliis Peucedani, nobis*; and in *Sp. Pl.*, 355 no. 2, Linnaeus refers it to *C. sicula* L. = *Hippomarathrum pterochlaenum* Boiss. = *H. cristatum* Boiss. (I. K.). = *H. siculum* (L.) Hoffm. & Link; but the specimen, which is imperfect, is not this species.
4. *C. Sicula foliis Pastinacae latifolia . . . nobis.* Leaf only; doubtless *Magydaris tomentosa* Koch.
- 268, 6. *C. semine sulcato plano minore.* No specimen. Cited *Sp. Pl.* ed. ii. 355 for *C. Libanotis* L. = *Hippomarathrum Libanotis* Koch.

CAPUT II. **Crithmum** (Semine Fungoso).

- P. 268, 1. *Crithmum maritimum spinosum*, C. B. P. **Echinophora spinosa** L.

Distributio Secunda: Semine rotundo seu testiculato.

CAPUT III. **Coriandrum.**

- P. 269, 1. *Coriandrum majus*, C. B. P. Cited Hort. Cliff. 100. **Coriandrum sativum** L.
2. *C. sylvestre foetidissimum . . .* C. B. P. Cited Hort. Cliff. 100. *C. testiculatum* L. = **Bifora testiculata** Roth.

Distributio Tertia: Semine striato majore vel minore: foliis vel foeniculaceis, lobatis, plurifariam divisis, vel integris.

CAPUT IV. **Foeniculum.**

- P. 270, 1. *Foeniculum vulgare Germanicum*, C. B. P. Cited Hort. Cliff. 106. *Anethum Foeniculum* L. = **F. vulgare** Mill.
2. *F. dulce Azoricum ampla umbella.* **F. dulce** DC., teste Dr. Stapf.

CAPUT V. **Meum seu Meu.**

- P. 270. *Meum vulgare tenuifolium*, Clus. Hist. Cited Hort. Cliff. 93. *Athamanta Meum* L. = **Meum athamanticum** Jacq.

CAPUT VI. **Cuminum.**

- P. 271, 1. *Cuminum sive Cyminum sativum*, J. B. **Cuminum Cyminum** L.
3. *C. perenne majus Carmaniae.* **C. Cyminum** L.

CAPUT VII. **Saxifraga.**

- P. 272, 1. *Saxifraga montana minor Italica . . . nobis.* Cited Hort. Cliff. 102. **Seseli montanum** L.

- 273, 3. *S. montana minor glauca et rigidior, nobis.* Cited Sp. Pl. 260 for *Seseligl aucum* L. = *S. montanum* L. (I. K.). The bad specimen looks more like *S. annuum* L.
4. *S. montana minor multifido folio Pannonica, nobis.* Cited Hort. Cliff. 103. *S. annuum* L.
6. *S. parva annua acris Millefolii. . . .* No specimen. Cited Sp. Pl. ed. ii. 373 for *Seseli Ammoides* L. = *Carum Ammoides* B. & H. (I. K.).
7. *S. montana minor tenuissimis et longissimis foliis, nobis.* Probably *Seseli montanum* L.
11. *S. montana minor Foeniculum tortuosum dicta, J. B.* Cited Hort. Cliff. 99. *S. tortuosum* L.
12. *S. montana minor Pyrenaica foliis Citri odore lucidis. . . .* Schol. Bot. Par. *Daucus Carota* L. forma *tenuisecta*.
Another sheet is *Dethawia tenuifolia* Endl., teste Dr. Stapf.
- 274, 15. *S. montana minor foliis Peucedani, nobis.* *Trinia vulgaris* DC. = *Apinella glauca* Caruel.

CAPUT VIII. **Bulbocastanum.**

- P. 274, 1. *Bulbocastanum majus foliis Apii, C. B. P.* Cited Hort. Cliff. 91. *Bunium Bulbocastanum* L. = *Carum Bulbocastanum* Koch.
2. *B. minus, C. B. P.* *Bunium flexuosum* With. = *Conopodium majus* (Gouan) Loret.

CAPUT IX. **Gingidium sive Visnaga.**

- P. 275. *Gingidium umbella oblonga, C. B. P.* Cited Hort. Cliff. 89. *Daucus Visnaga* L. = *Ammi Visnaga* Lam.

CAPUT X. **Levisticum.**

- P. 275. *Levisticum vulgare.* Leaf only. Cited Sp. Pl. 250. *Ligusticum Levisticum* L. = *Levisticum officinale* Koch (I. K.) = *L. paludapifolium* Aschers.

CAPUT XI. **Siler montanum.**

- P. 276, 1. *Siler montanum, Trag.* Leaf only. Cited Sp. Pl. 249. *Laserpitium Siler* L.
3. *S. montanum Aquilegiae foliis, nobis.* *Siler trilobum* Crantz.
4. *S. montanum Hipposelini foliis humilium, nobis.* The specimen is also labelled, *S. maritimum Scoticum Imperatoriae facie* Br. Pr. 2, p. 92. *Imperatoriae affinis umbellifera marit. scotica. Sutherl.* Leaf only; probably *Ligusticum scoticum* L.

CAPUT XII. **Smyrniium seu Hipposelinum.**

- P. 277, 1. *Hipposelinum* sive *Smyrniium vulgare*, Park. Cited Hort. Cliff. 105. *Smyrniium Olusatrum* L.
 2. *Smyrniium Creticum perfoliatum*, J. B. 125. *S. perfoliatum* L.
 Also a sheet labelled *S. speciosum perfoliatum serratum Angelicæ foliis*, H. Cathol. *S. rotundifolium* Mill.

CAPUT XIII. **Imperatoria.**

- P. 278, 1. *Imperatoria* seu *Astrantia vulgaris*, Park. Cited Hort. Cliff. 103. *Imperatoria Ostruthium* L. = *Peucedanum Ostruthium* Koch.

CAPUT XIV. **Astrantia.**

- P. 279, 1. *Astrantia nigra major*, nobis. Cited Hort. Cliff. 88. *Astrantia major* L.
 2. *A. nigra minor*, nobis. *A. minor* L.
 4. *A. Africana Laserpitii* . . . nobis. Cited Sp. Pl. ed. ii. 772. *Adonis capensis* L.; and in Bot. Mag. t. 775. *Knowltonia vesicatoria* Sims = *K. capensis* (L.).

CAPUT XV. **Angelica.**

- P. 280, 1. *Angelica sativa*, C. B. P. Cited Hort. Cliff. 97. *Angelica archangelica* L. = *Archangelica officinalis* Hoffm.
 2. *A. sylvestris major*, C. B. P. Cited Hort. Cliff. 97. *Angelica sylvestris* L.
 281, 5. *A. Sylvestris montana*, C. B. P. *Archangelica officinalis* Hoffm.
 8. *A. lucida Canadensis*, Cornuti. Cited Sp. Pl. 251. *Angelica lucida* L.
 9. *A. Virginiana foliis acutioribus* . . . nobis. Cited Sp. Pl. 256. *Cicuta maculata* L.
 10. *A. sylvestris Alpina Podagrariae folio*, Schol. Bot. Par. *Peucedanum Cervaria* Cusson.; agreed to by Bucknall and White.
 11. *A. Sylvestris repens*, J. B. Cited Hort. Cliff. 107. *Aegopodium Podagraria* L.
 13. *A. humilior et minor flore luteo*, nobis. Cited Sp. Pl. 263. *Smyrniium aureum* L. = *Thaspium aureum* Nutt.

CAPUT XVI. **Sium, Sison, & Sisarum.**

- P. 282, 1. *Sium majus latifolium*, Ger. Cited Hort. Cliff. 98. *Sium latifolium* L.; also a form with narrower leaflets.

- 283, 2. *S. erectum* humiliter et ramosius foliis profundius serratis, nobis. **S. erectum** Huds.
3. *S. aquaticum* procumbens ad alas floridum, nobis. Cited Sp. Pl. 251. *S. nodiflorum* L. = **Apium nodiflorum** Reichb. f.
4. *S. aquaticum* foliis multifidis longis serratis, nobis. Cited Hort. Cliff. 160. **Cicuta virosa** L.
5. *S. minimum* foliis imis ferulaceis, nobis. Cited Sp. Pl. 253. *Sison inundatum* L. = **Apium inundatum** Reichb. f.
6. *S. terrestre* umbellis rarioribus, nobis. Cited Sp. Pl. 252. *Sison segetum* L. = **Carum segetum** Benth.
7. *Sison* Σίσων, Diosc. Cited Hort. Cliff. 98. **Sison Amomum** L.
8. *Sisarum*, Ger. Cited Hort. Cliff. 98. **Sium Sisarum** L.

CAPUT XVII. **Pimpinella Saxifraga.**

- P. 284, 1. *Pimpinella saxifraga* major umbella candida, C. B. P. **Pimpinella major** Huds.
Also a sheet labelled *foliis longis dissectis*. **P. major** Huds. var. **dissecta** Druce.
3. *P. . . . major* degener, seu foliis longis dissectis. **P. major** Huds. var. **dissecta** Druce; confirmed by Dr. Stapf.
- 285, 5. *P. . . . maxima* Africana. **Peucedanum Cervaria** Cuss.; confirmed by Bucknall and White.
6. *P. . . . vulgaris* *Pimpinellae minoris* folio, nobis. Cited (fig. 1. 6. 7) Hort. Cliff. 106. **Pimpinella Saxifraga** L. var. **poterifolia** Wallr.
7. *P. . . . minor* foliis dissectis, nobis. **P. Saxifraga** L. var. **dissecta** With.
9. *P. . . . annua* Galloprovincialis, Schol. Bot. Par. A scrap; 'cf. **Ptychotis heterophylla** Koch,' Dr. Stapf.
10. *P. . . . minor* daucoides . . . nobis. **Seseli Libanotis** Koch.

CAPUT XVIII. **Seseli.**

- P. 286, 1. *Seseli montanum* *Cicutae* folio glabrum, C. B. P. Leaf only; probably **Pleurospermum austriacum** Hoffm.
- 287, 7. *S. montanum* tenuiore folio, nobis. **Seseli tortuosum** L., *testibus* W. B. Turrill and Dr. Stapf.
10. *S. pratense* nostras, Park. **Silaus flavescens** Bernh.
Annotationes. A specimen labelled *Seseli massiliense Foeniculi folio, quod Dioscoridis censetur, C. B. P. 161. Foeniculum tortuosum* Lugd., is probably **Seseli tortuosum** L.

CAPUT XIX. **Oenanthe.**

- P. 288, 1. *Oenanthe maxima* Virginiana *Paeoniae faeminae* foliis. Cited Aiton Hort. Kew. ii. 145. *Sium rigidius* L. = **Peucedanum ternatum** Nutt.

2. *O. maxima* succo viroso, Cientae facie Lob. 'In salicetis circa Windsoriam, Bathoniam,' &c. Cited Hort. Cliff. 99. ***Oenanthe crocata* L.**
3. *O. Apii* folio minor, caule firmiore, nobis. Cited Hort. Cliff. 99. *Oenanthe pimpinelloides* L. The specimen is ***O. crocata* L.**
- 289, 5. *O. prolifera* Apula, C. B. P. No specimen. Cited Sp. Pl. 254 for ***O. prolifera* L.**
6. *O. aquatica* Pimpinellae Saxifragia divisura, D. Pluk. ***O. fistulosa* L.**
7. *O. angustifolia* aquatica recta vulgaris, nobis. ***O. silaifolia* Bieb.**
8. *O. aquatica triflora* caulibus fistulosis, nobis. No specimen, Cited Hort. Cliff. 99. ***O. fistulosa* L.**

CAPUT XX. **Crithmum marinum.**

- P. 289, 1. *Crithmum multis* sive *Foeniculum marinum*, J. B. 194. Cited Hort. Cliff. 94. ***Crithmum maritimum* L.**

CAPUT XXI. **Cicuta.**

- P. 290, 1. *Cicuta major* vulgaris, Clus. Cited Hort. Cliff. 92. ***Conium maculatum* L.**
2. *C. minor* Petroselino similis, C. B. P. Cited Hort. Cliff. 100. ***Aethusa Cynapium* L.**
- 291, 5. *Cicutaria latifolia* foetidissima, Lob. Cited Hort. Cliff. 97. *Ligusticum peloponnesiacum* L. and Scopoli = *Molopospermum cicutarium* DC. = ***M. peloponnesiacum* (L.) Koch.**
7. *Cicutaria palustris tenuifolia*, C. B. P. Cited Hort. Cliff. 100. *Phellandrium aquaticum* L., and this is what is represented in fig. 7; but the specimen is ***Oenanthe fluviatilis* Colem.**, and the specimen in Bobart's *Hort. Sic.* is the earliest known British example.

CAPUT XXII. **Apium.**

- 292, 1. *Apium hortense* maximum, C. B. P. ***Carum Petroselinum* Benth. & Hook.**
2. *A. hortense* vulgare *Petroselinum vulgo*, C. B. P. Cited Hort. Cliff. 107. *Apium Petroselinum a* = ***C. Petroselinum* Benth. & Hook.**
 3. *A. vel Petroselinum crispum*, C. B. P. ***C. Petroselinum* var. *crispum*.**
 4. *A. hortense* degener foliis longis et angustis. ***C. Petroselinum* var.**
- 293, 7. *A. montanum* Germanicum flore luteo, nobis. Two specimens; the upper, ***Libanotis montana* Cr., teste W. B.**

Turrill; the lower, *Cnidium apioides* Sprengel, *teste* Dr. Stapf.

8. *A. palustre* seu officinarum, C. B. P. Cited Hort. Cliff. 107. **Apium graveolens** L.
Also a sheet of the cultivated form *A. dulce* Mill.
12. *A. Macedonicum*, C. B. P. Leaf only. Cited Hort. Cliff. 95. *Bubon macedonicum* L. = **Athamanta macedonica** Spreng.
13. *A. peregrinum foliis subrotundis*, C. B. P. **Pimpinella peregrina** L.

CAPUT XXIII. **Ammi.**

- P. 294, 1. *Ammi perenne repens* . . . nobis. Cited Sp. Pl. 252. *Sium Falcaria* L. = *Falcaria vulgaris* Bernh. = **Prionitis Falcaria** Dum.
- 295, 2. *A. petraeum glaucifolium perenne*, nobis. Cited Sp. Pl. 243. *Ammi glaucifolium* L. = **A. majus** L. (I. K.).
4. *A. vulgare majus latioribus foliis* . . . J. B. No specimen. Cited Hort. Cliff. 89. A form with broad leaf-segments of **A. majus** L.
5. *A. majus angustiore folio*, Schol. Bot. Par. **A. majus** L.
7. *A. parvum foliis Faeniculi*, C. B. P. Cited Hort. Cliff. 89, *Sium Ammi* L. Sp. Pl. (queried as *Apium leptophyllum* F. Muell. in Ind. Kew.). The plant is *Ptychotis ammoides* Koch = **Carum ammoides** B. & H.
9. *A. luteum minus foliis Anethi*, nobis. **Ammi majus** L., the two lower umbels, *teste* Dr. Stapf; the upper specimen is **Ptychotis coptica** DC., *teste* J. R. Drummond.

CAPUT XXIV. **Pyrethrum umbelliferum.**

- P. 296, 1. *Pyrethrum umbelliferum latiore folio*, nobis. **Cnidium apioides** Sprengel, *teste* Dr. Stapf.

CAPUT XXV. **Carum.**

- P. 296, 1. *Carum Diosc.* Cited Hort. Cliff. 106. **Carum Carvi** L.
- 297, 2. *C. Alpinum perenne Peucedani foliis*, Schol. Bot. Par. **Peucedanum Schottii** Bess., *testibus* W. B. Turrill and Dr. Stapf.

CAPUT XXVI. **Anisum.**

- P. 297, 1. *Anisum vulgatum minus annuum*, nobis. Cited Hort. Cliff. 107. **Pimpinella Anisum** L.
3. *A. fruticosum Africanum Galbaniferum*, nobis. Cited Hort. Cliff. 94. *Bubon Galbanum* L. = **Peucedanum Galbanum** Benth. & Hook.

CAPUT XXVII. **Seseli Aethiopicum.**

- P. 298. *Seseli Aethiopicum frutex*, Dod. Cited Hort. Cliff. 104.
Bupleurum fruticosum L.

CAPUT XXVIII. **Perfoliata.**

- P. 299, 1. *Perfoliata vulgaris*, Ger. Cited Hort. Cliff. 104. **B. rotundifolium** L.
2. *P. annua longioribus foliis*, J. B. **B. protractum** Hoffmg. & Link.
4. *P. Alpina magna longifolia*, J. B. 199. **B. angulosum** L.
6. *P. Alpina angustifolia minor*, C. B. P. Cited Hort. Cliff. 104.
B. ranunculoides L.
300, 8. *P. Alpina angustifolia minima*, C. B. P. **B. ranunculoides** L.

CAPUT XXIX. **Bupleurum.**

- P. 300, 1. *B. perenne longis et angustis foliis incurvis, nobis.* **B. falcatum** L.
2. *B. perenne latifolium*, Park. *B. folio rigido* C. B. P. 278. **B. rigidum** L.
3. *B. annum longis et angustioribus foliis, nobis.* **B. junceum** L.
4. *B. annum minimum*, Col. Cited Sp. Pl. 238. **B. tenuissimum** L.

Distributio Quarta: Seminibus longioribus rostratis.

CAPUT XXX. **Myrrhis.**

- P. 301, 1. *Myrrhis magno semine longo sulcato*, J. B. Cited Hort. Cliff. 101. *Scandix odorata* L. = **Myrrhis odorata** Scop.
4. *M. Canadensis trilobata*. Cited Sp. Pl. 252. *Sison canadense* L. = **Cryptotaenia canadensis** DC.
302, 5. *M. Sicula elatior tenuioribus foliis, nobis.* Cited Hort. Cliff. 93. **Athamanta sicula** L.
6. *M. lutea daucoides*, D. Moris. Praelud. Bot. **Chaerophyllum** sp. (not *aureum*) teste Dr. Stapf.
7. *M. annua vulgaris caule fusco, nobis.* Cited Sp. Pl. 258. **Chaerophyllum temulum** L.
8. *M. annua tuberosa, nodosa . . . nobis.* No specimen. Cited Hort. Cliff. 102. **C. bulbosum** L.
9. *M. tenuifolia annua Cretica . . . nobis.* Cited Sp. Pl. 245. *Athamanta annua* L. = **A. cretensis** L.

CAPUT XXXI. **Cerefolium.**

- P. 303, 1. *Cerefolium sativum*, Trag. Cited Hort. Cliff. 101. *Scandix Cerefolium* L. = *Anthriscus Cerefolium* Hoffm.
2. *C. sylvestre annuum seminibus brevioribus villosis*, nobis. Cited Hort. Cliff. 101. *Scandix Anthriscus* L. = *A. Scandix* Kerner.
3. *C. Virginianum procumbens Fumariae foliis*. Cited Sp. Pl. 258. *Scandix procumbens* L. = *Chaerophyllum procumbens* Crantz.
4. *C. annuum nodosum semine aspero majore*, nobis. Cited Sp. Pl. 257. *Scandix nodosa* L. = *C. nodosum* Crantz.
5. *C. sylvestre perenne seminibus laevibus nigris*, nobis. Cited Hort. Cliff. 101. *C. sylvestre* L.
- 304, 6. *C. latifolium hirsutum album et rubrum*, nobis. Cited Sp. Pl. 258. *C. hirsutum* L.

CAPUT XXXII. **Scandix.**

- P. 304, 1. *Scandix vulgaris semine rostrato*, C. B. P. No specimen. Cited Hort. Cliff. 101. *Scandix Pecten-Veneris* L.
3. *Pecten Veneris folio tenuiore et paucioribus rostris*, J. B. *Scandix pinnatifida* Vent., teste Bucknall and White.
4. *S. Cretica minor*, C. B. P. et Prod. Probably *S. australis* L.

Distributio Quinta: Semine villosio seu hispido.

CAPUT XXXIII. **Pastinaca tenuifolia, Daucus seu Carota.**

- P. 305, 1. *Pastinaca tenuifolia sativa*, C. B. P. Cited Hort. Cliff. 89. *Daucus Carota* L. var *sativus*.
2. *P. . . sylvestris Dioscoridis . . .* C. B. P. Cited Hort. Cliff. 89. *D. Carota* L.
3. *P. . . Sicula hirsuta crispa*, Bocc. Tab. 14. Specimen fragmentary and immature. *Daucus Carota* L., teste Dr. Stapf.
4. *P. . . radiis umbellae Gingidii longioribus*, Morisoni. *Daucus Gingidium* L.
- 306, 7. *P. tenuifolia maritima, foliis obscure virentibus . . .* D. Magnol. Probably *D. gummifer* All.

A specimen, not mentioned in the *Historia*, labelled *Daucus montanus Apii folio et odore* = *D. folio Pastinacae Sicilianae Zan. 783*. *Pimpinella villosa* Schousb., teste Dr. Stapf.

*Distributio Sexta: Semine echinato seu aculeato.*CAPUT XXXIV. **Caucalis.**

- P. 307, 1. *Caucalis lato Apii folio*, C. B. P. Cited Hort. Cliff. 91. *Tordylium latifolium* L. = **Caucalis latifolia** L.
- 308, 2. *C. Monspeliaca echinata magno fructu*, C. B. P. *Orlaya maritima* Koch = **Daucus pumilus** Ball.
3. *C. arvensis echinata magno flore*, C. B. P. Cited Hort. Cliff. 91. *C. grandiflora* L. = **D. grandiflorus** Scop.
4. *C. major daucoides Tingitana*, C. B. Cited Sp. Pl. ed. ii. 349. **D. muricatus** L.
5. *C. procerior Chalepensis . . .* No specimen. Cited Aiton Hort. Kew. ii. 126. *Caucalis orientalis* L. = **D. pulcherrimus** Koch = **D. orientalis** (L.).
6. *C. arvensis echinata parvo flore*, C. B. Phyt. **Caucalis daucoides** L.
8. *C. minor flore rubente*, Park. *ex India Oriental.* Cited Sp. Pl. 240. *Tordylium Anthriscus* L. = **C. Anthriscus** Huds.
9. *C. arvensis humilior et ramosior, nobis.* **C. arvensis** Huds.
10. *C. nodosa echinato semine*, C. B. P. Cited Hort. Cliff. 91. *Tordylium nodosum* L. = **Caucalis nodosa** Scop.

*Distributio Septima: Semine follaceo seu membranaceo, compresso, subrotundo.*CAPUT XXXV. **Ferula.**

- P. 309, 1. *Ferula latiore folio*, C. B. P. Cited Sp. Pl. 247 for *Ferula Ferulago* L.; the specimen is **F. glauca** L., *teste* Dr. Stapf.
2. *F. Tingitana lucida foliis laserpitii.* Cited Hort. Cliff. 95 and Bot. Mag. t. 7267. **Ferula tingitana** L., confirmed by Dr. Stäpf.
3. *F. tenuiore folio seu Foemina Plinii*, C. B. P. Cited Hort. Cliff. 95. **Ferula communis** L., confirmed by Bucknall and White.
4. *F. tenuiore folio humilior et tenuior, nobis.* **Athamanta Matthioli** Wulf., *testibus* Bucknall and White.

CAPUT XXXVI. **Libanotis & Panax Asclepium.**

- P. 310, 1. *Libanotis Ferulae folio et semine*, C. B. P. Leaf only. **Ferula galbanifera** Koch, *teste* Dr. Stapf.
5. *Panax Asclepium umbella lutea*, C. B. P. Fragmentary specimen—'leaves like those of *Silaus virescens* Boiss.', *teste* Dr. Stapf (*S. carvifolius* C. A. Mey, I. K.).

CAPUT XXXVII. **Anethum.**

- P. 311, 1. *Anethum hortense*, C. B. P. Cited Hort. Cliff. 106. *Anethum graveolens* L. = *Peucedanum graveolens* Benth. & Hook.

But Bucknall and White find the section of fruit to show that it is not an *Anethum*. It may be *Ridolfia segetum* Moris = **Carum *Ridolfia*** Benth. & Hook.

2. *A. sylvestre minus*, C. B. Prod. Probably **Peucedanum graveolens** Benth. & Hook.

Another sheet Bucknall and White think is not an *Anethum*. A sheet is inserted here labelled *Seseli Cornubiensis multifido folio semine nigro*, from D. Stevens. *Physospermum commutatum* Spreng. = **Danaa cornubiensis** Burnat.

CAPUT XXXVIII. **Peucedanum.**

- P. 312, 1. *Peucedanum majus Italicum*, C. B. P. Cited Hort. Cliff. 93. *Peucedanum officinale* L. var. β = **P. officinale** L.
2. *P. majus brevioribus foliis Germanicum, nobis.* Cited Hort. Cliff. 93. **P. officinale** L.
3. *P. Gallicum rarioribus et brevioribus foliis, Schol. Bot. Paris.* Leaves only. **P. officinale** L.

CAPUT XXXIX. **Sphondylium.**

- P. 313, 1. *Sphondylium vulgare hirsutum*, C. B. P. Cited Hort. Cliff. 103. **Heracleum Sphondylium** L.
3. *S. humilius latoribus foliis . . . nobis.* Cited Hort. Cliff. 103. **H. Panaces** L.
4. *S. Alpinum glabrum*, C. B. P. et Prod. **H. alpinum** L.
5. *S. hirsutum foliis angustioribus*, C. B. P. 'In pratis Cornubiensibus Agri Oxoniensis. Semen satum et hoc et vulgare, aliasque medias varietates produxit.' **H. Sphondylium** L. var. **angustifolium** Huds.

CAPUT XL. **Pastinaca latifolia.**

- P. 314, 1. *Pastinaca sativa latifolia*, C. B. P. **Peucedanum sativum** Benth. & Hook. var.
2. *P. latifolia sylvestris*, C. B. P. Cited Hort. Cliff. 105. *Pastinaca sativa* L. = **Peucedanum sativum** Benth. & Hook.

CAPUT XLI. **Panax Heracleum.**

- P. 315, 1. *Panax Heracleum*, Ger. Cited (*Panax peregrinum*) Sp. Pl. 249 for *Laserpitium Chironium* L. = **Opopanax Chironium** Koch; and Sp. Pl. 262 (f. 2, *Panax costinum*) for *Pastinaca Opopanax* L. = **Opopanax hispidum** Griseb.

CAPUT XLII. **Tordylium.**

- P. 316, 1. *Tordylium vulgatus* semine plano . . . nobis. Discovered by Bobart 'In agro Oxoniensi in aggeribus fossarum', but now extinct in Oxfordshire. *Tordylium maximum* L.
2. *T. Helveticum* elatius flore albo. **T. maximum** L.
3. *T. majus* foliis acutioribus viridibus, nobis. No specimen. Cited Hort. Cliff. 90. **T. maximum** L.
5. *T. erectum* hirsutius . . . nobis. Cited Hort. Cliff. 90. **T. officinale** L.
6. *T. minimum* Apulum, Col. No specimen. Cited Hort. Cliff. 90. **T. apulum** L.
- 317, 7. *T. Syriacum* humilius . . . nobis. Cited Sp. Pl. 239. **T. syriacum** L.

CAPUT XLIII. **Oreoselinum, &c.**

- P. 317, 1. *Oreoselinum majus*, Clus. Cited Hort. Cliff. 92. *Athamanta Oreoselinum* L. = *Peucedanum Oreoselinum* Moench.
2. *Thysselinum Plinii*, Dod. Lob. Fragment. Cited Sp. Pl. 244. **Selinum sylvestre** L.
3. *Seseli palustre lactescens*, C. B. P. et Prod. Fragment; probably *Peucedanum palustre* Moench.
5. *Daucus Alsaticus*, C. B. Prod. Cited Hort Cliff. 92. **Peucedanum alsaticum** L.
- 318, 6. *Libanotis nigra* Theophrasti, Ger. Leaf only. Cited Hort. Cliff. 92. *Athamanta Cervaria* L. = *Peucedanum Cervaria* Cusson.

Distributio Octava : Semine ala foliacea cincto.

CAPUT XLIV. **Thapsia.**

- P. 318, 1. *Thapsia maxima* latissimo folio, C. B. P. Leaf only; perhaps *Thapsia villosa* L.
3. *T. quorundam* hirsuta . . . J. B. No specimen. Cited Hort. Cliff. 105. **Thapsia villosa** L.
7. *T. tenuifolia* Carotae effigie, C. B. P. Cited Sp. Pl. 261 and Ait. Hort. Kew. ii. 136. *Thapsia foetida* L. = **Elaeoselinum foetidum** Boiss.
9. *T. tenuifolia* petiolis foliorum radiatis, nobis. Cited Sp. Pl. 262. *Thapsia Asclepium* L. = **Elaeoselinum Asclepium** Bertol.
11. *T. ferulacea* seminis margine inciso, nobis. No specimen. Cited Hort. Cliff. 89. **Artedia squamata** L.

Distributio Nona: Semine alis foliaceis cincto.

CAPUT XLV. **Laserpitium.**

- P. 320, 1. *Laserpitium* foliis latioribus, semine crispo et verrucoso majus, nobis. **Laserpitium latifolium** L.
 2. *L. latifolium* semine crispo, foliis minus rotundis, nobis. **L. latifolium** L. ?
- 321, 3. *L. latifolium* semine crispo, alis foliorum rotundioribus, nobis. Fragment; perhaps **L. alpinum** W. & K.
 4. *L. latifolium* minus semine crispo, nobis. Probably **L. Gaudinii** Moretti (*L. marginatum* W. & K., I. K.).
 6. *L. latifolium* vulgatus seminis albis planis, nobis. Leaf only. Cited Hort. Cliff. 96. **L. latifolium** L.
 8. *L. foliis Angelicae*, semine plano, nobis. Leaf only. Also a sheet *L. Alpini nomine accepta*. Probably **Peucedanum verticillare** Sprengel; confirmed by Bucknall and White.
 9. *L. angustifolium* majus segmentis longioribus et indivisis, nobis. Cited Sp. Pl. 248. *L. angustifolium* L. = **L. gallicum** L. (I. K.).
 The specimen, consisting only of a portion of a leaf, appears to be more likely **L. Siler** L.
 14. *L. foliis conjugatim positis trifidis lucentibus*, nobis. **L. Siler** L.
 15. *L. daucoides Prutenicum viscoso semine*, Breynei. The name suggests *L. prutenicum* L., but the plant is glabrous, probably **L. gallicum** L.

The following specimen is not mentioned in the *Historia*:—*Laserpitium latifol. Cornubiense* D. Lhuyd. Found by Mr. Winn in the sea-cliffs in the Parish of Morva near Pensans in Cornwall, 1700. Only a portion of leaf, presumably of a maritime form of *Angelica sylvestris* L.

PLANTAE UMBELLIFERAE IMPROPRIE DICTAE.

CAPUT XLVI. **Filipendula.**

- P. 322. *Filipendula vulgaris*, C. B. P. **Spiraea Filipendula** L.

CAPUT XLVII. **Ulmaria seu Barba caprae.**

- P. 323, 1. *Ulmaria vulgaris*, Park. **S. Ulmaria** L.
 2. *U. major sive altera*, Park. Cited Hort. Cliff. 463. **S. Aruncus** L.
 3. *U. Virginiana trifolia floribus candidis* . . . **Gillenia trifoliata** Moench.

4. *U. pentacarpus integris serratis foliis* . . . Virginia, D. Pluk. No specimen. Cited Sp. Pl. ed. ii. 701 for *Spiraea tomentosa* L.

CAPUT XLVIII. **Thalictrum.**

- P. 324, 1. *Thalictrum majus vulgare*, Park. Cited Hort. Cliff. 226. **Thalictrum flavum** L.
DC. Syst. i. 184, n. 37 quotes this for his *T. glaucum*.
2. *T. pratense elatius longioribus magis atris foliis* . . . Clus. Leaves only. Cited DC. Syst. i. 182. **T. nigricans** Jacq.
4. *T. majus flavum staminulis luteis vel glauco folio*, C. B. P. *T. flavum* var. β , speciosum L. = **T. glaucum** Desf.
6. *T. Virginianum elatius glaucum florum staminulis purpurascens*. No specimen. Cited Sp. Pl. ed. ii. 769 for **T. purpurascens** L. (under **T. minus** L., I. K.).
- 325, 7. *T. medium Rutae sylvestris minoris foliis*, nobis. Probably **T. lucidum** L.
8. *T. pratense angustissimo folio*, C. B. P. et Prod. Cited DC. Syst. 180. **T. galioides** Pers.
10. *T. montanum minus* . . . **T. flexuosum** Bernh.
12. *T. minus*, C. B. P. Cited DC. Syst. 178. **T. minus** L. agg.
13. *T. minus foetidissimum*, C. B. P. et Prod. Cited Sp. Pl. 545. **T. foetidum** L.
14. *T. montanum minimum praecox* . . . Cited Sp. Pl. 545. **T. alpinum** L.
Also a sheet labelled *T. minimum montanum atrorubens foliis splendentibus*, a very common plant at Snowdon, ex Dr. Richardson. Leaves of **T. alpinum** L.
15. *T. majus foliis Aquilegiae, flore albo*, nobis. Cited Hort. Cliff. 226. *T. aquilegifolium* L. var. γ . DC. Syst. i. 172 cites it for *T. corynellum* DC., but see Britton and Br., Fl. North Amer., who use the name **T. polygamum** Muhl.
16. *T. majus florum staminulis purpurascens*, C. B. P. Cited DC. l. c. **T. aquilegifolium** L.

PLANTAE STELLATAE.

CAPUT XLIX. **Rubia lutea.**

- P. 326, 1. *Rubia tinctorum sativa*, C. B. P. **Rubia tinctorum** L.
2. *R. sylvestris aspera*, C. B. P. *On ye rocks about Bideford*, Devon. **R. peregrina** L.
3. *R. sylvestris aspera Ravennensis*, Zanoni. Leaves only. **R. tinctorum** L. ?

CAPUT L. **Gallium.**

P. 327, 1. *Gallium luteum*, C. B. P. **Gallium verum** L.

CAPUT LI. **Cruciata.**

P. 328, 1. *Cruciata hirsuta*, C. B. P. **Gallium Cruciata** Scop.

2. *C. nova Romana muralis minima*, Col. Cites Sp. Pl. 1051.
Valantia muralis L.

CAPUT LII. **Rubia alba.**

P. 329, 1. *R. latifolia vel quadrifolia laevis*, C. B. P. **Asperula taurina** L.

4. *R. quadrifolia semine duplici hispido*, J. B. Cited Sp. Pl. ed. ii. 157, *Gallium rotundifolium* L var. β , and in Aiton Hort. Kew. i. 235. **Asperula laevigata** L.

5. *R. semine duplici hispido, latis et hirsutis foliis*, Bocconi. No specimen. Cited Sp. Pl. ed. ii. 156 for **Gallium rotundifolium** L.

6. *R. arborescens Cretica*, Prosp. Alp. Exot. 1, 10. **G. aristatum** L.

On the same sheet is a specimen *Rubia altissima nemorum* D. Sher. **G. elatum** Thuill., *testibus* Bucknall and White.

329, 7. *R. erecta quadrifolia*, J. B. Two sheets. Dr. Richardson's specimen has a note: *This I met with in great plenty in flower about the end of June 1713 a little above Kirby Lousdale bridge, Westmoreland . . . G. boreale* L.

330, 9. *R. Cynanchica*, C. B. P. **Asperula cynanchica** L.

CAPUT LIII. **Mollugo.**

P. 330, 1. *Mollugo vulgatior*, Park. **Gallium Mollugo** L.

2. *M. montana latifolia erectior, nobis*. **G. Mollugo** L.

331, 6. *M. minor palustris, nobis*. **G. palustre** L.

7. *M. montana minor Gallio albo similis*, Raii. **G. hercynicum** Weig.

8. *M. pumila Alfnis mollioris folio*. *Ex Hort. Paris. D. Sher.* Cited with a ? Sp. Pl. ed. ii. 1667, and in Ait. Hort. Kew. i. 239. *Gallium laevigatum* L. ; but the specimen (*testibus* Bucknall and White) is not that species, and Dr. Stapf and W. B. Turrill suggest **G. saxatile** L.

CAPUT LIV. **Asperula & Aparine.**

P. 331, 1. *Aparine vulgaris*, C. B. P. **G. Aparine** L.

332, 3. *A. foliis brevioribus et semine levioere*. **G. trioerne** Stokes.

CAPUT LV. **Floribus purpureo-caeruleis.**

- P. 332, 1. *Rubeola arvensis repens caerulea*, C. B. P. et Prod. **Sheppardia arvensis** L.
 2. *Asperula caerulea arvensis*, C. B. P. **Asperula arvensis** L., also '*flore albo*'.
 3. *Gallium rubrum*, C. B. P. Cited Sp. Pl. 107. **Gallium rubrum** L.
 333, 4. *Rubia quadrifolia laevis Cretica* . . . D. Pluk. **G. parisiense** L., *testibus* Bucknall and White.

CAPUT LVI. **Pseudo-rubia.**

- P. 333, 1. *Pseudo-rubia procumbens maritima*, nobis. **Crucianella maritima** L.
 2. *P. latifolia spicata*, nobis. Cited Hort. Cliff. 33. **C. latifolia** L.
 3. *P. spicata angustifolia*, nobis. Imperfect specimen. **C. latifolia** L.

SECTIO X. PLANTAE TRICOCCAE PURGATRICES.

CAPUT I. **Tithymalus capsula seminali laevi, perennis.**

- P. 335, 1. *Tithymalus characias sive sylvaticus toto anno folia retinens*, J. B. *Foliis eleganter variegatis*. **Euphorbia Amygdaloides** L.
 3. *T. sylvaticus lunato flore*, C. B. P. Cited Sp. Pl. 463. **Euphorbia sylvatica** L. = **E. Amygdaloides** L.
 4. *T. characias rubens peregrinus*, C. B. P. **E. Characias** L.
 6. *T. characias folio serrato*, C. B. P. No specimen. Cited Hort. Cliff. 200. **Euphorbia serrata** L.
 336, 11. *T. arboreus sive dendroides ex codice Caesareo*, Dod. Fragment. **E. dendroides** L.
 15. *T. arborescens Americanus* . . . succo maxime venenoso, D. Pluk. *Poyson tree as big as an Elm. The wood spungy and like a Cork and is used as such by the fishermen for their nets. The young shoots are very milkie; and tis believed a rank Poison as any is. The President by mistake, instead of Fig tree milk, had some put on a wart on the back of his hand, but he like to have lost his Arme by it. A young man, for a jest sewed one of the leaves in his Friends breeches, but it killed him, and he held up his hand at the bar for it. Bears a little sort of plum. Barbadoes.*
 Leaf only. *Hippomaue biglandulosa* L. = *Sapium aucuparium* Jacq. = **S. biglandulosum** Muell. Arg.

16. *T. Curassavicus Salicis et Atriplicis foliis* . . . Par. Bot. Prod. Cultivated at Hampton Court. Cited Sp. Pl. 453. *Euphorbia heterophylla* L.
- 337, 18. *T. ramosissimus frutescens pene aphyllus*, Par. Bat. Prod. Cited Hort. Cliff. 197. *E. Tirucalli* L.
19. *T. Surinamensis arborescens* . . . Breyn. Prod. 2. Cited Hort. Cliff. 198. *E. cotinifolia* L.
20. *T. Curassavicus myrtifolius* . . . Par. Bat. Prod. Cited Ait. Hort. Kew. iii. 160. *E. Tithymaloides* L. var. *padifolia* Ait. = *Pedilanthus padifolius* Poit.
21. *T. myrsinites latifolius*, C. B. P. Cited Hort. Cliff. 199. *E. Myrsinites* L.
24. *T. maritimus*, C. B. P. *E. Paralias* L.
25. *T. maritimus Juniperifoliis*, Boccon. Cited Sp. Pl. ed. ii. 656. *E. Pithyusa* L.
27. *T. foliis Pini forte Diosc.* Cited Hort. Cliff. 199. *E. Cyparissias* L.
I consider the specimen to be a form of *E. Esula* L.; a barren stem on another sheet may be *E. Cyparissias* L.
- 338, 29. *T. cyparissias*, C. B. P. *E. Cyparissias* L.
30. *T. foliis inferioribus capillaceis, superioribus Myrto similibus, nobis.* Cited Sp. Pl. 458. *E. aleppica* L.

CAPUT II. *Tithymali capsula seminali laevi, annui.*

- P. 339, 1. *T. major annuus glaucifolius, nobis.* Cited Hort. Cliff. 198. *E. Lathyris* L.
2. *T. annuus Linariae folio obtusiore, lunato flore, nobis.* Cited Hort. Cliff. 198. *E. Lathyris* L.
The specimen is *E. segetalis* L.
3. *T. annuus lunato flore, Linariae folio longiore, nobis.* Cited Sp. Pl. 458 for *E. segetalis* L.; the specimen appears to be a form of *E. Esula* L.
4. *T. annuus Lini folio acuto, Magnol.* No specimen. Cited Sp. Pl. 657, n. 45 for *E. segetalis* L.
5. *T. sive Esula exigua, C. B. P.* Cited Hort. Cliff. 199. *E. exigua* L.
6. *T. exiguus saxatilis, C. B. P.* Probably also *E. exigua* L.
7. *T. sive Esula exigua Chalepensis.* . . . From Aleppo. An interesting specimen, hitherto unidentified, of *E. Szovitsii* Fisch. & Mey.
9. *T. helioscopius, C. B. P.* Cited Hort. Cliff. 198. *E. helioscopia* L.
10. *T. Chalepensis folio ex ovali mucronato.* No fruit, hitherto unidentified. *E. cybirensis* Boiss.

11. *T. annuus erectus rotundifolius non crenatus, nobis.* Cited Hort. Cliff. 199. **E. Peplus** L.
- 340,15. *T. Indicus annuus dulcis, cauliculis viridantibus, Par. Bat. Prod.* The name above given is cited in Sp. Pl. 454 as a synonym of *Euphorbia thymifolia* L. The specimen is a barren fragment, but not that species. Here is *Chamaesyce Virginianus* E Morgan. **E. maculata** L.
18. *T. sive Peplis maritima folio obtuso, C. B. P.* **E. Peplis** L.
19. *T. minimus ruber rotundifolius procumbens, nobis.* Cited Hort. Cliff. 198. **E. Chamaesyce** L.
- 341,21. *T. sive Chamaesyce altera Virginiana . . . D. Pluk.* One sheet from Fort St. George e Madraspatan.; and another sent to me from Fort St. George by my brother Daniel Du Bois. **E. thymifolia** L.

CAPUT III. Tithymali capsula verrucosa perennes.

- P. 341, 1. *T. palustris fruticosus, C. B. P.* Cited Hort. Cliff. 200. **E. palustris** L.
- 342, 7. *T. incanus hirsutus, C. B. P. et Prod.* Bauhin's name is cited Sp. Pl. ed. ii. 659 for **E. pilosa** L.; but the poor specimens are probably **E. pubescens** Vahl.
8. *T. maritimus spinosus Creticus, Park.* Cited Hort. Cliff. 200. **E. spinosa** L.
10. *T. montanus non acris, C. B. P.* **E. dulcis** L.

CAPUT IV. Tithymali capsula verrucosa, annui.

- P. 343, 1. *T. arvensis latifolius Germanicus, C. B. P.* **E. platyphyllos** L.
3. *T. sive Peplis annua foliis acutis, Boccon.* No specimen. Cited Ait. Hort. Kew. iii. 167. (Cult. Hort. Oxf.). **E. segetalis** L.

CAPUT V. Tithymalus Crassus spinosus foliosus, & non foliosus Euphorbium dictus.

- P. 344, 1. *T. Africanus arborescens squamato caule spinoso.* A drawing; also leafy-shoots of **E. Caput-medusae** L.
2. *Euphorbio aut Tithymalo medio affinis.* No specimen. Cited Hort. Cliff. 196. **E. neriifolia** L.
5. *Anteuphorbium, Dod.* No specimen. Cited (fig. 10) Sp. Pl. 834 for *Caecalia Anteuphorbium* L. = **Senecio Anteuphorbium** Sch. Bip.
6. *Euphorbium Cerei effigie . . . Breyn Prod. 2.* No specimen. Cited Sp. Pl. 647 for **Euphorbia cereiformis** L.
8. *E. Indicum Opuntiae facie . . . Breyn. Prod. 2.* No specimen. Cited Hort. Cliff. 196. **E. antiquorum** L.

CAPUT VI. **Ricinus.** (Non Lactescentes.)

- P. 347, 1. **Ricinus vulgaris**, C. B. P. Cited Hort. Cliff. 450.
R. communis L.
2. **R. Africanus maximus** caule geniculato rutilante, Hort. Reg. Par. **R. communis** L., teste J. Hutchinson, as are also Nos. 3 and 4.
3. **Ricinus Americanus minor**, C. B. P.
4. **Ricinus Americanus minimus**, Moris. Praelud. Bot.
5. **R. Madraspatanus** . . . D. Pluk. **Jatropha gossypifolia** L., teste J. Hutchinson.
6. **R. Americanus folio Staphisagriae**, C. B. P.
The French Physick Nut is a shrub about 4 or 5 feet high, the young leaves red, others green like a Vine, the flowers in clusters reddish, the fruit 6 or 8 square first green then browne, is like the oyl seed; on dry ground everywhere.
J. gossypifolia L., teste J. Hutchinson.
- 348, 9. **R. Virginianus lactescens Fici foliis** . . . D. Pluk. **J. urens** L., teste J. Hutchinson.
10. **R. Surinamensis foliis radiatis amplis**. . . *Surinam Physick Nut, Barbadoes.* **J. multifida** L., teste J. Hutchinson.
11. **R. Americanus tenuiter diviso folio**, Breyn. Cited Sp. Pl. 1006. **J. multifida** L.
12. **R. Americanus pentaphyllos**, Cassava Barhadiensibus dictus, Manihot Indorum sive Yucca . . . C. B. P. **Manihot utilissima** Pohl, teste J. Hutchinson.
14. **R. minor asperior** . . . Madraspatanus, D. Pluk. *Sent from Fort St. George by Dr. Edw. Bulkeley 1700; Poona Congerry.* **Tragia cannabina** L., teste J. Hutchinson.
15. **R. Americanus major semine nigro**, C. B. P. *The Physick nut of Barbadoes, 1673.* **Jatropha Curcas** L., teste J. Hutchinson.
- 349, 19. **R. arbor Indica aromatica** . . . Hermanni. **Croton aromaticus** L., teste J. Hutchinson.
21. **R. dulcis frutescens Americanus Populea fronde argentea**, . . . Breyn. 2 leaves only. **Croton** sp.
24. **R. Althaeae folio molli** . . . Madraspatanus, D. Pluk. **Tragia involucrata** L., teste J. Hutchinson.
25. **R. humilis Althaeae folio, fructu verrucoso rotundo, nobis.** Cf. **Chrozophora tinctoria** Juss., teste J. Hutchinson.
- 350, 26. **R. fruticosus Curassavicus fructu parvo, folio Phylli, nobis.** **Croton** sp., teste J. Hutchinson.

SECTIO XI. DE MONOPETALIS TETRARCARPIS.

Distributio Prima : De Plantis Verticillatis Galeatis
Spicatis.

CAPUT I. **Lavendula.**

- P. 352, 1. *Lavendula major sive vulgaris*, Park. **Lavandula Spica** L.
 2. *L. latifolia sterilis*. **L. latifolia** Vill.
 3. *L. minor sive spica*, Ger. Cited Hort. Cliff. 303. **L. Spica** L.
 4. *L. multifido Hispanica*, nobis. Cited Hort. Cliff. 303. **L. multifida** L.
 353, 5. *L. Canarica foliis tenuius divisis*. Cited Aiton Hort. Kew. 383. **L. abrotanoides** Lam.

CAPUT II. **Stoechas.**

- P. 353, 1. *Stoechas brevioribus ligulis*, Clus. Hist. Cited Hort. Cliff. 303. **L. Stoechas** L.
 354, 6.S. *folio serrato*, C. B. P. Cited Hort. Cliff. 303. **L. dentata** L.

CAPUT III. **Polium.**

- P. 355, 1. *Polium montanum luteum*, C. B. P. Cited Hort. Cliff. 302. **Teucrium Polium** L. = *T. aureum* Schreber Pl. Vert. Unilab.
 3. *P. montanum album*, C. B. P. **T. Polium** L.
 5. *P. maritimum erectum Monspeliacum*, C. B. P. **T. Polium** L.
 356, 12. *P. maritimum supinum Venetum*, C. B. P. Cited Schreber Pl. Vert. Unilab. p. 44. *T. achaemenis* Schreber = **T. Polium** L. (I. K.).
 14. *P. saxatile chamaedryoides* . . . Icon. Paris. No specimen. Cited Schreb. Pl. Vert. Unilab. p. 42 (f. 13) for *T. rotundifolium* Schreb. = **T. pyrenaicum** L. (I. K.).
 15. *P. angustifolium Creticum*, C. B. P. No specimen. Cited Schreb. Pl. Vert. Unilab. 27. **T. brevifolium** Schreb.
 17. *P. Lavendulae folio*, C. B. P. Cited Hort. Cliff. 303. **T. montanum** L.
 21. *P. minimum supinum*, Lob. No specimen. Cited Schreb. Pl. Vert. Unilab. p. 50, for **T. montanum** L.

CAPUT IV. **Dictamnus.**

- P. 357, 1. *Dictamnus Creticus*, C. B. P. Cited Hort. Cliff. 364. **Organum Dictamnus** L.
 2. *D. Sipyleus Majoranae foliis*, nobis. Cited Sp. Pl. 589. **O. sipyleum** L.

CAPUT V. **Majorana & Origanum.**

- P. 358, 1. *Majorana vulgaris aestiva*, Park. Cited Hort. Cliff. 304.
O. Majorana L.
- 359, 2. *M. rotundifolia scutellata exotica*, Schol. Bot. Paris.
O. Maru L.
3. *M. hortensis odorata perennis*, nobis. Cited Sp. Pl. 590.
O. Majorana L. var. β .
4. *Hujus datur varietas major et fruticosior, quae forte Origanum Onites floribus albicantibus*, C. B. P. **O. Majorana** L. forma.
7. *M. hortensis viridis tenuior*, nobis. **O. Majorana** L. forma.
8. *M. sive Origanum humilius latifolium glabrum*, Schol. Bot. Par. **O. vulgare** L. var., teste W. B. Turrill.
11. *Majorana latifolia aurea* Park. **O. hirtum** Link.
12. *Origanum sylvestre vulgare*, Trag. Cited Hort. Cliff. 305.
O. vulgare L.
- 360, 14. *O. Heracleoticum*. **O. heracleoticum** L.
15. *O. Creticum*, C. B. P. **O. hirtum** Link, teste W. B. Turrill.
17. *Origano cognata Zatarendi*, C. B. P. No specimen. Cited Sp. Pl. 588 for *O. aegyptiacum* L. = **O. Maru** L. (I. K.).

CAPUT VI. **Hyssopus.**

- P. 361, 1. *Hyssopus vulgaris*, Dod. Cited Hort. Cliff. 304. **Hyssopus officinalis** L.
 Another sheet, *H. Anglica foliis niveis* Park. **H. officinalis** L.
7. *H. minor angustifolia*, C. B. P. **H. officinalis** L., teste W. B. Turrill.
11. *H. capitata Syriaca Satureiae rigido hirsuto folio*, nobis. Cited Sp. Pl. 569. **Thymbra spicata** L.
 Aiton (Hort. Kew. iii. 175, 1811) refers to its being cultivated by Bobart.
- 362, 12. *H. angustifolia hirsuta Lusitanica . . . nobis*. **T. spicata** L.
14. *H. capitata minor Thymi odore*, nobis. **Thymus capitatus** Hoffmg. & Link.

CAPUT VII. **Coris.**

- P. 362, 1. *Coris caerulea maritima*, C. B. P. Cited Hort. Cliff. 68.
Coris monspeliensis L.

CAPUT VIII. **Prunella vel Brunella.**

- P. 363, 1. *Prunella vulgaris*, Trag. Cited Hort. Cliff. 316. **Prunella vulgaris** L.
2. *Brunella minor alba laciniata*, C. B. P. **P. laciniata** L.

3. *Prunella Lusitanica capite reticulato* . . . Tournefortii.
Cleonia lusitanica L., *testibus* Bucknall and White.
4. *P. caerulea magno flore*, Eyst. **P. grandiflora** Jacq.
- 364, 6. *P. magno flore, folio integro glabriore et longiore*. Probably a hybrid, **P. grandiflora** × *laciniata*.
'The leaves are certainly those of *grandiflora* & but for the small flowers it would be that species: may be a hybrid,'
W. B. Turrill.
7. *P. angustifolia integra hirsutior, nobis*. No specimen. Cited Sp. Pl. 601 for **P. hyssopifolia** L.
8. *Brunella Alpina glabra folio angusto integro*, D. Moris.
P. hyssopifolia L.
Bucknall and White, after careful comparison of specimens, conclude this is rightly named.
9. *Prunella Hyssopi folio viridi, amplo flore caeruleo, nobis*. Cited Hort. Cliff. 304. **Dracocephalum Ruyschianum** L.

CAPUT IX. **Betonica.**

- P. 365, 1. *Betonica vulgaris*, Clus. Cited Hort. Cliff. *Betonica officinalis* L. = **Stachys officinalis** Franchet.
Also flore albo.
5. *B. major Danica*, Park. **S. officinalis** Franchet.
 11. *B. Virginiana elatior foliis Scrophulariae glabris flore ochroleuco*. Cited Sp. Pl. 570. *Hyssopus nepetoides* L. = **Lophanthus nepetoides** Benth.
 - 366, 12. *B. Virginiana elatior Scrophulariae foliis glabris, flore carneo*. **Lophanthus** sp.

CAPUT X. **Camphorosma.**

- P. 366. *Camphorosma trifoliata flore carneo*. Cited Sp. Pl. 594. *Dracocephalum canariense* L. = **Cedronella triphylla** Moench.

CAPUT XI. **Mentha.**

- P. 367, 1. *Mentha Romana sive praestantior angustifolia*, Lob. Named by Sole *M. viridis*, but I agree with Messrs. J. G. Baker and Arth. Bennett in thinking it is a hybrid of **M. spicata** × *longifolia*.
2. *M. spicata longifolia glabra, sive rubra, nobis*. Found by S. Dale in Essex, by Bocking-River side. Raii Syn. 123: the plant, he says, *is lost from the caveing of the banks into the river*. **M. spicata** L.
 3. *M. sylvestris longioribus nigrioribus et minus incanis foliis*, C. B. P. **M. pubescens** Willd., *teste* J. G. Baker.
 5. *M. crispa Danica sive Germanica speciosa*, Park. Cited Sp. Pl. 576. **M. crispa** L.

P. 368, 6. *M. sylvestris* folio longiore, C. B. P. One sheet Sole identifies as his 'villosa = *sylvestris* L.' *M. longifolia* Huds.

Another sheet, marked by Sole 'γ Fl. Brit.' and which Mr. Baker names *sylvestris* L., is from Adam Buddle, who remarks: *observed by Mr. Rand plentifully in Kent where they call it the rough Spear mint M. candicans foliis spicis et odore vulgari sativae similis Doody in App. R. Syn. 341.* It is, I believe, *M. longifolia* × *rotundifolia*.

7. *Mentastrum Chalepense elatius argenteum angustifolium, raro florens. M. longifolia* Huds. One sheet Mr. Baker identifies as var. *mollissima* (Borckh.).
9. *M. folio rugoso rotundiore spontaneum, flore spicato, odore gravi, J. B.* Sole identifies this as *M. rotundifolia* Huds.
10. *Mentha spicata canescens Nepetae facie, radice tuberosa, nobis.*

The following note is on the sheet: *M. verticillata odore fragrantissimo Buddle, By ye river side near Stoke Newington . . . I have sent two specimens one for you and your Lady to smell on, which I think ye finest yet discovered. You may [have] roots of this or any of others out of Chelsea Garden. The odour was said to be like Rosa Eglantina. Mentha verticillata* Huds.

11. *M. Nepetae facie, Betonicae folio, nobis. Nepeta tuberosa* L.

Distributio Secunda: De Plantis Galeatis, verticillis densius per intervalla dispositis.

CAPUT XII. *Mentha*.

P. 369, 1. *Mentha hortensis verticillata Ocimi odore, C. B. P.* Named by Sole *M. gentilis* = *M. cardiaca* Baker.

2. *M. rotundiore folio glabro, Pulegii flore, nobis.* Named by Sole and J. G. Baker *M. rubra* Sm.

This was discovered by Tilleman Bobart on Shotover Hill near Oxford.

3. *M. rotundifolia rubra Aurantii odore, nobis.* Named by Sole *M. odorata* Sole = *M. piperita* L. var. *citrata* (Ehrh.) Briquet.

5. *M. arvensis humilior verticillata hirsuta, J. B.* Cited Sp. Pl. 577. *M. arvensis* L.; also a variegated form.

370, 6. *M. rotundifolia palustris seu aquatica major, C. B. P.* Named by Sole *M. aquatica* L. var. *major* Sole.

7. *M. aquatica sive Sisymbrium hirsutius, J. B. M. aquatica* L. agg.

The following specimens are not mentioned in the *Historia*.

- Mentha aquatica verticillata odoris grati.* Observed by Mr. Rand on ye sides of ye river Medway in Kent. From Buddle, with label in his writing. Mr. J. G. Baker marked it 'typical *M. sativa*'. × *M. verticillata* Huds. forma.
- M. Sisymbrii facie hirsuta verticillata, Rand.* From Buddle, with the note: *by ye ditch sides not far from ye Kings-arms a landing place in Southwark over against Whitehall.* Typical *M. sativa* J. G. B. × *M. verticillata* Huds.; the hybrid, nearer *M. aquatica* L.
- M. verticillata glabra foliis ex rotundato acuminatis Buddle.* By our New River side (Middlesex, Buddle). Sole marks it '*M. arvensis* var. ♂ Fl. Brit.' = *M. arvensis* L. var. *nummularia* (Schreber).
- Sisymbrium ramosissimum floribus in summis ramulis in globulos conglomeratis, Buddle.* Near Stoke Newington by ye New River side, Buddle. A form of *M. aquatica* L.
- M. aquatica folio oblongo viridi glabro saporis fervidissimi, Buddle.* I desire you & your Lady to tast of this & after som^e little time chewing you will find it very hot. ye whole facies of ye plant is different from Mr Eals peppermint. × *M. pubescens* Willd. var. *hircina* (Hull), teste Arth. Bennett.
- M. spicis brevioribus et habitioribus foliis: M. fusca sapore fervido piperis R. Syn. 124.* These two are near akin, Buddle. Marked by Sole *M. piperita* (L.) var. *vulgaris* Sole.
- M. arvensis Verticillata, folio rotundiore, odore aromatico.* D. Vernon, Rajj Syn. 123. Marked by Sole '*M. agrestis* = *arvensis* var. Fl. Brit.', and by Mr. J. G. Baker as *M. gentilis* L.

CAPUT XIII. **Pulegium.**

- P. 371, 3. *Pulegium vulgare, Park.* *Mentha Pulegium* L., *flore albo.*
7. *P. angustifolium, C. B. P.* Cited Sp. Pl. 578. *Mentha cervina* L. = *Preslia cervina* Fresen.
8. *P. erectum Virginianum angustifolium floribus . . . nobis.* Cited Sp. Pl. 567. *Satureja virginiana* L. = *Pycnanthemum virginianum* (L.). Cf. *Koellia virginiana* (L.) MacM., Britton & Brown.

CAPUT XIV. **Marum vulgare.**

- 372, 1. *Marum vulgare, Dod.* Cited Hort. Cliff. 306. *Thymus Mastichina* L.

CAPUT XV. **Tragoriganum.**

- P. 373, 1. *Tragoriganum Creticum*, C. B. P. **Satureia Thymbra** L.
 2. *T. angustifolium* C. B. P. **Sideritis angustifolia** Lam.
T. latifolium, C. B. P. 223. **Satureia Thymbra** L.

CAPUT XVI. **Clinopodium.**

- P. 374, 1. *Clinopodium Origano simile*, C. B. P. Cited Hort. Cliff. 305. **Clinopodium vulgare** L.
 2. *C. Canadense majus hirsutius* . . . nobis. **Monarda fistulosa** L.
 3. *C. majus Virginianense foliis minus hirtis* . . . No specimen. Cited Sp. Pl. 32, for **M. fistulosa** L. var. β .
 4. *C. majus Virginianum* . . . Cited Sp. Pl. 588. *Clinopodium incanum* L. = **Pycnanthemum incanum** Michx.
 5. *C. humile Syriacum* . . . Cited Hort. Cliff. 305. **Ziziphora capitata** L.
 6. *C. non ramosum flore caeruleo* . . . No specimen. Cited Sp. Pl. 23 for *Monarda ciliata* L. = **Blephilia ciliata** Rafin.
 7. *C. flore albo ramosius* . . . Cited Sp. Pl. 571. **Nepeta virginica** L.
 375, 8. *C. angustifolium Virginianum Lamii flore luteo maculato*. **Monarda punctata** L.

CAPUT XVII. **Marrubium.**

- P. 376, 1. *Marrubium album vulgare*, C. B. P. Cited Hort. Cliff. 302. **Marrubium vulgare** L.
 2. *M. album rotundifolium Hispanicum maximum*, Hort. Reg. Par. **M. vulgare** L.
 4. *M. album Melitense minus*. Probably **M. peregrinum** L.
 6. *M. album majus* . . . **Ballota rupestris** Vis.
 377, 7. *M. Creticum supinum album* . . . nobis. **B. hirsuta** Benth.
 8. *M. album latifolium peregrinum*, C. B. P. Cited Sp. Pl. 582. *Marrubium peregrinum* L. The specimen is **M. candidissimum** L.
 9. *M. album angustifolium peregrinum*, C. B. P. **M. peregrinum** L., but the specimen is too imperfect for certainty.
 10. *M. Hispanicum longiore folio*, Prosp. **Ballota nigra** L.
 12. *M. album foliis profundius incisus, flore caeruleo*, nobis. Cited Sp. Pl. 582. **Marrubium Alysson** L.
 14. *M. nigrum foetidum, Ballote Diosc.*, C. B. P. **Ballota nigra** L.; also *flore albo*.
 15. *M. nigrum rotundifolium*, C. B. P. **B. nigra** L., *testibus* Bucknall and White.

- 378, 16. *M. nigrum longifolium*, C. B. P. No specimen. Cited Hort. Cliff. 315. *Phlomis Herba-venti* L.
18. *M. Cardiaca dictum*, C. B. P. Cited Hort. Cliff. 313. *Lesonurus Cardiaca* L.; also *fol. crispo*.
20. *Pseudo-marrubium aquaticum vulgare*, nobis. *Lycopus europaeus* L.
21. *P. . . . aquaticum glabrum foliis dissectioribus*, nobis. *L. exaltatus* L.
22. *P. . . . palustre glabrum Virginianum majus foliis integris*. *L. virginicus* L.

CAPUT XVIII. **Pseudo-dictamnus verticillatus.**

- P. 379, 1. *Pseudo-dictamnus verticillatus inodorus*, C. B. P. No specimen. Cited Hort. Cliff. 312. *Marrubium Pseudo-Dictamnus* L. = *Ballota Pseudodictamnus* Benth.
3. *P. . . . acetabulis Moluccae*, C. B. P. *B. acetabulosa* Benth.
- 380, 4. *P. . . . Hispanicus folio rugosiore*, Schol. Bot. Par. *B. acetabulosa* Benth.

CAPUT XIX. **Moluca.**

- P. 380, 1. *Moluca Syriaca laevis*, Adv. Lob. *Moluccella laevis* L.
2. *M. asperior Syriaca . . .* Lob. *M. spinosa* L.

CAPUT XX. **Stachys.**

- P. 381, 1. *Stachys folio densiore candicante serrato et acuto major*, nobis. Cited Hort. Cliff. 309. *Stachys germanica* L.
2. *S. folio . . . non serrato minor*, nobis. *Sideritis syriaca* L.
4. *S. sive Pseudo-stachys Alpina*, C. B. P. et Prod. No specimen. Cited Hort. Cliff. 310. *Stachys alpina* L.
5. *S. sive Pseudo-stachys Cretica latifolia*, C. B. P. Prod. Park. Fragmentary: ? *S. Tournefortii* Poir.
Another specimen, labelled *S. Cretica angustifolia*, is probably *S. cretica* L.; Bucknall and White agree.
- 382, 6. *S. Canarica frutescens Salviae folio, flore candido . . .* Cited Hort. Cliff. 310. *Sideritis canariensis* L.
9. *S. spinosa Cretica*, C. B. P. Cited Sp. Pl. 581. *Stachys spinosa* L.
10. *S. foetida sepium flagellis reptatricibus*, nobis. Cited Hort. Cliff. 309. *S. sylvatica* L.
11. *S. folio obscure virente, flore ferrugineo*. Probably *S. ambigua* Sm. = (*S. palustris* × *sylvatica*).
12. *S. folio virente, flore partim rubente, partim albo*. J. Hutchinson suggests cf. *Stachys germanica* L. forma.
13. *S. viridis elatior . . .* *S. germanica* L. forma, teste W. B. Turrill.

14. *S. viridis* elatior amplioribus foliis. W. B. Turrill suggests cf. *S. alpina* L.
- 383, 16. *S. palustris* foetida, C. B. P. Cited Hort. Cliff. 309. *S. palustris* L.
 Also a sheet labelled *Panacis Coloni spec. latioribus fol. pediculis insidentibus* D. Rand. *S. ambigua* Sm. (= *S. palustris* × *sylvatica*).
17. *S. Africana* frutescens angustifolia . . . nobis. Cited Sp. Pl. 587, and Bot. Mag. t. 478. Phlomis *Leonurus* L. = *Leonotis Leonurus* Br.
18. *S. Africana* frutescens *Melissae* foliis . . . nobis. Flowerless specimen. W. B. Turrill suggests *Leonotis nepetaefolia* Br.
19. *S. Americana* annua *Urticae* foliis . . . nobis. Cited Hort. Cliff. 312. Phlomis *nepetaefolia* L. = *L. nepetaefolia* Br. With it is what appears to be a specimen of *L. Raineriana* Vis.
20. *S. sive Leonurus* annuus *Madraspatensis* . . . I believe this to be *Leucas zeylanica* Br.
21. *S. sive Leonurus* *Hyssopi* hirsutis foliis *Madraspatensis* . . . Three sheets. *Pea Tumbo. Sent from Fort St. George by D. E. Bulkley 1703, and from ye Coast of Coromandel.*
 Linnaeus (Sp. Pl. 586) cites Plukenet's fig. 4 for his Phlomis *zeylanica* whereon Plukenet's plant is usually referred to *Leucas aspera* Link, a very variable species. I believe the specimen to be *L. zeylanica* Br.

CAPUT XXI. *Lamium* & *Galeopsis*.

- P. 384, 1. *Lamium album* vulgare sive *Archangelica*, Park. Cited Hort. Cliff. 314. *Lamium album* L. Also a sheet *L. maculatum* L.; as the var. *laevigatum* (L.).
 Also *L. album coma candida*.
- 385, 4. *L. Americanum* album *Parietariae* foliis. No specimen. *L. parietarifolium* Benth. = *L. album* L. var. *integrifolium* Nolte, ex Sonder Fl. Hamb. 328.
 This plant is supposed to be identical with *Lamium parietariae facie* Morison, Hort. Bles. 278, which has been referred (see *Journ. Bot.* 1899, p. 130) to *Lamium molle* Ait., Hort. Kew. ed. 2, ii. 394. The sheet in the Banksian Herbarium bears Solander's citation of Morison, but there are two species upon it, thus causing the confusion.
5. *L. luteum* folio oblongo, C. B. P. Cited Hort. Cliff. 313. *L. Galeobdolon* Crantz.
6. *L. maculatum*, C. B. P. *L. maculatum* L.
7. *L. Pannonicum* majus non repens . . . nobis. *L. Orvala* L.
8. *L. montanum* *Melissae* folio, C. B. P. Cited Hort. Cliff. 309. *Melittie Melissophyllum* L.

9. *L. annuum vulgare rubrum*, nobis. Cited Hort. Cliff. 314. **Lamium purpureum** L.
10. *L. annuum rubrum foliis profundius incisis*. **L. hybridum** Vill.
 — Bobart mentions that this species had been held to be a variety of the preceding, and adds 'Semen vero satum idem produxit; et non aliter quam foliis potius amplioribus, in profundiores lacinias divisiss, a proxime superius explicato, differt.'
11. *Lamium annuum rubrum Parietariae foliis*. 'Ex horto Dom. Edw. Morgan, prope coenobium Westmonasteriense, plurimis abhinc annis ipsi comparavimus.'
- This is wrongly put under *Lamium album* by Linnaeus, in Hort. Cliff. 314 and Sp. Pl. 579. The specimen is an entire-leaved form of *Lamium purpureum* L., which Sir James E. Smith (Rees, *Cyclopaedia*, vol. xx) describes as *Lamium ocyimifolium*, Basil-leaved Red Dead Nettle. **L. purpureum** L. var. *ocyimifolium* Boulger in Journ. Bot. 1903, 153.
- 386, 12. *L. annuum folio caulem ambiente minus*, C. B. P. Cited Hort. Cliff. 314. **L. amplexicaule** L.
13. *L. annuum procerius Urticae folio, verticillis spinosis*, nobis. **Galeopsis Tetrakit** L.
14. *L. annuum procerius Urticae foliis, flore luteo amplo, labro purpureo*. The description suggests *G. speciosa* Miller, but the specimen is only **G. Tetrakit** L. f. *albiflora*.
16. *L. annuum medium Urticae angustioris folio, flore ochroleuco*. *G. ochroleuca* Lam. = **G. dubia** Leers.
18. *L. arvense annuum angustifolium rubrum verticillis spinosis*, nobis. Cited Hort. Cliff. 810. **G. Ladanum** L.

CAPUT XXII. **Sideritis.**

- P. 387, 1. *Sideritis vulgaris hirsuta*, J. B. Cited Hort. Cliff. 310. **Stachys annua** L. Another specimen labelled *S. Heraclea Col. 131* is *Sideritis montana* L.
- 388, 4. *S. foliis hirsutis profunde crenatis*, C. B. P. **S. Scordioides** L.
5. *S. Romana utriculis spinosis*, Hort. Lugd. Bat. Cited Sp. Pl. 575. **S. romana** L.
6. *S. montana*, Adv. Lob. ? **S. Scordioides** L.
8. *S. Alpina Hyssopi folio*, C. B. P. Cited Hort. Cliff. 313. **S. hyssopifolia** L.
9. *S. Hispanica longifolia frutescens sive lignosior*, Schol. Bot. Par. **S. hirsuta** L.
- Another specimen (leaves only) appears to be **S. spinosa** Lam.

10. *S. humilior* Pyrenaica Hysopi folio procumbens, Schol. Bot. Par. *S. hyssopifolia* L. var. *angustifolia* Willk., teste W. B. Turrill.
- 389, 14. *S. arvensis latifolia glabra*, C. B. P. *Stachys annua* L., teste W. B. Turrill.
- Also a sheet *S. arvensis latifolia glabra*, C. B. P. Cited Hort. Cliff. 310, *Stachys annua* L.; but the specimen (ex Dr. Richardson in comit. Eboracensi) is *Galeopsis dubia* Leers.
16. *S. glabra* Betonicae folio, Raii. ? *Sideritis maritima* L., teste W. B. Turrill.
17. *S. glutinosa* bitumen redolens, Hort. Reg. Bles. Cited Sp. Pl. 581 and Ait. Hort. Kew. iii. 398. *Stachys glutinosa* L.
18. *S. annua* flore luteo, utriculis et foliis longioribus. Ex Aleppo. Cited Sp. Pl. 596. *Dracocephalum canescens* L. = *Lallemantia canescens* Fisch. & Mey.
22. *S. Alsine* Trissaginis folio, C. B. P. *Stachys arvensis* L.

CAPUT XXIII. **Bugula.**

- P. 391, 1. *Bugula sylvatica vulgaris caerulea*, nobis. Cited Hort. Cliff. 201. *Ajuga reptans* L.
2. *B. media* flore carneo. 'In agro Oxoniensi in sylva haud longe a Villa Stokenchurch dicta.' *A. reptans* L. f. *carnea*.
3. *B. hirsuta* Genevensis, nobis. *Ajuga genevensis* L.
4. *B. odorata* Lusitanica, Cornuti. No specimen. Cited Sp. Pl. ed. ii. 837 for *Cleonia lusitanica* L.

CAPUT XXIV. **Horminum.**

- P. 392, 1. *Horminum sativum vulgare sive Sclarea*, Park. *Salvia Sclarea* L.
2. *H. Syriacum album*, C. B. P. *S. syriaca* L.
3. *H. Syriacum album* Salviae folio lanuginoso, nobis. Probably *S. pratensis* L.; the flowers are too large for *S. virgata*.
4. *H. Aethiopicum foliis sinuosis*, C. B. P. *S. argentea* L.
- 393, 5. Varietas videtur ejusdem foliis profundius laciniatis; unde *Aethiopsis foliis laciniatis*, C. B. P. et Prod. *S. Aethiopsis* L.
6. *H. ceratophyllum rugosum* flore sulphureo, nobis. No specimen. Cited Ait. Hort. Kew. i. 62 for *S. ceratophylla* L.
10. *H. pratense foliis serratis*, C. B. P. *S. pratensis* L., and *flore carneo*.
- 394, 15. *H. sanguineum* Asphodeli radice, Triumphetti. Cited Ait. Hort. Kew. i. 57. *S. haematodes* L. (merged into *S. pratensis* L. in Ind. Kew.).

16. *H. majus* amplo flore violaceo . . . D. Moris. Cited Bot. Mag. t. 395. *S. indica* L.
17. *H. Canariense* tomentosum hastato folio. . . Cited Sp. Pl. 26. *S. canariensis* L.
18. *H. luteum* glutinosum, C. B. P. *S. glutinosa* L.
19. *H. Chalepense* alato folio, flore majore rubicundo. *S. bracteata* Russ. A native of Aleppo and the East. Linnaeus does not refer to the description or figure. Bobart's drawing of it for the plate is also on the sheet.
- 395, 26. *H. folio rotundiore*, flore magno violaceo, J. B. No specimen. Cited Sp. Pl. 596 for *Horminum pyrenaicum* L.
27. *H. Virginianum* caule aphylo. . . Cited Sp. Pl. ed. ii. 33. *Salvia lyrata* L.
28. *H. tenui Cerenopi* folio Virginianum. Cited Sp. Pl. 602. *Bartsia coccinea* L. = *Castilleja coccinea* Spreng.
29. *H. sylvestre latifolium verticillatum*, C. B. P. Cited in Hort. Cliff. 494. *Salvia verticillata* L.
Cultivated in Hort. Ox. in 1658, see *Hort. Cat.* p. 79.
30. *H. sylvestre latifolium Tingitanum majus alatis foliis*.
? *S. verticillata* L.
31. *H. Virginianum erectum Urticae feliis*, flore minore. *E Virginia*. Cited Hort. Cliff. 13 n. 10. *S. mexicana* L.
32. *A. sylvestre vulgare Lavendulae flore*, C. B. P. 'Ad arcis Regiae hippodromum *Greenvici*, haud longe a *Londino*, *Clusius* se invenisse confirmat.' Two of the sheets are of *Clusius*' plant *S. Verbenaca* L. *agg.* Another sheet is *S. sylvestris* L.
- 396, 33. *H. minus folio sinuato* . . . D. Moris. *S. Verbenaca* L. *agg.*
34. *H. minus album Betonicae facie*, C. B. P. *S. Verbenaca* L. *agg.*

CAPUT XXV. **Pseudo-salvia.**

- P. 397, 1. *Pseudo-salvia major lutea vulgatior latifolia*, nobis. Cited Hort. Cliff. 315. *Phlomis fruticosa* L.
2. *P. Chalepensis* ampliore folio cordiformi. 'Ex Aleppo.' No flowers. Probably *P. Nissolii* L.
4. *P. fruticosa minor lutea Verbasci foliis incanis*, nobis. A form, with narrower and mere tomentose leaves, of *P. fruticosa* L.
6. *P. fruticosa purpurea Verbasci angustioribus foliis rugosis*. Cultivated in Morgan's garden at Westminster. *P. purpurea* L.

Distributio Tertia: Verticillis laxius dispositis.CAPUT XXVI. **Salvia.**

- P. 399, 1. *Salvia major vulgaris*, Park. Four sheets of varieties of *S. officinalis* L.
2. *S. pinnata major Danica*. *S. officinalis* L. forma; the leaves are acutely lobed.
3. *S. Absinthium redolens*, J. B. *S. officinalis* L. forma.
4. *S. Cretica non pomifera, et pomifera*, Clus. No specimen. Cited Ait. Hort. Kew. i. 54 for *S. pomifera* L.

CAPUT XXVII. **Thymus.**

- P. 401, 1. *Thymum vulgare durius*, Park. *Thymus vulgaris* L., *testibus* Bucknall and White.
2. *T. moschatus minor seu tenuior, nobis*. *T. vulgaris* L., *testibus* Bucknall and White.
3. *T. moschatus major*. *T. ovatus* Miller.
- P. 402, 8. *T. vulgaris folio latiore*, C. B. P. *T. vulgaris* L. var. *verticillatus* W. & L., *testibus* Bucknall and White.
Also a sheet of *T. ovatus* Miller.

CAPUT XXVIII. **Serpyllum.**

- P. 403, 1. *Serpyllum vulgare*, Park. Cited Hort. Cliff. 306. *Thymus Serpyllum* L. *agg.*
2. *S. vulgare majus*, C. B. P. *T. ovatus* Miller? *testibus* Bucknall and White.
3. *S. foliis Citri odore*, C. B. P. *T. Chamaedrys* Auct. = *T. ovatus* Mill.
4. *S. foliis odore Citri frutescens, facie Mari mastichini*, Schol. Bot. Par. *T. Serpyllum* L., *teste* J. Hutchinson.

CAPUT XXIX. **Acinos.**

- 404, 2. *A. Syriaco folio mucronato, capsulis laevioribus*. *Ziziphora acutifolia* Montbr. et Auch., *teste* W. B. Turrill.
3. *A. Syriaca folio mucronato, capsulis hirsutis*. Cited Sp. Pl. 21 (fig. 3, 4). *Ziziphora tenuior* L.
4. *A. Syriaca tenuiore folio, capsulis hirtis*. Of the three sheets bearing this name and number, two specimens are *Z. tenuior* L., and one is *Calamintha Acinos* Clairv. = *Satureia Acinos* Scheele, *testibus* W. B. Turrill and Dr. Stapf.
5. *A. Syriaca altera foliis longioribus dentatis*. *Sideritis montana* L., *teste* W. B. Turrill.
6. *A. Thymi folio et facie, floribus inexpandis, nobis*. Cited Aiton Hort. Kew. i. 49 for *Cunila thymoides* L. Mr. Hutchinson refers the specimen to *Calamintha* sp.
(Ind. Kew. refers *C. thymoides* L. to *Thymus Serpyllum* L., which this specimen is not.)

8. *A. Austriaca* latioribus foliis dentatis, nobis. *Calamintha alpina* Lam. = *Satureia alpina* Scheele.
9. *A. annua* Syriaca rotundiore folio crenato. *Calamintha graveolens* Benth., teste W. B. Turrill. = *Satureia graveolens* Caruel.

CAPUT XXX. **Ocimum.**

- P. 406, 1. *Ocimum caryophyllum* majus, C. B. P. Cited Hort. Cliff. 315. **Ocimum Basilicum** L.
2. *O. maximum caryophyllum*, C. B. P. Cited Hort. Cliff. 315. **Ocimum Basilicum** L., teste W. B. Turrill.
 3. *O. latifolium maculatum vel crispum*, C. B. P. et Prod. Imperfect, probably **O. Basilicum** L. var.
 4. *O. maximum perenne* utriusque Indiae . . . D. Pluk. **O. Basilicum** L. agg.
 5. *O. foliis fimbriatis viridibus*, C. B. P.: **O. Basilicum** L. var. **difforme** Benth., teste W. B. Turrill.
 6. *O. viride foliis bullatis*, C. B. P. Leaf only. **O. gratissimum** L., teste W. B. Turrill.
 8. *O. crispum profunde serratum* . . . Icon. Paris. A scrap. **O. gratissimum** L., teste W. B. Turrill.
 9. *O. medium vulgatus*, Adv. Lob. **O. Basilicum** L.
 10. *O. citri odore*, C. B. P. Probably **O. gratissimum** L.
- 407, 15. *O. tricolor*, Hort. W. B. Turrill suggests cf. **O. sanctum** L.
17. *O. minimum*, C. B. P. Cited Sp. Pl. 597. *O. minimum* L. = **O. Basilicum** L., teste W. B. Turrill.
A garden form.
 18. *O. minimum foliis ex purpura nigricantibus*. *O. minimum* L. = **O. Basilicum** L., confirmed by W. B. Turrill.

CAPUT XXXI. **Melissa.**

- P. 408, 1. *Melissa vulgaris odore Citri*, J. B. Cited Hort. Cliff. 307. **Melissa officinalis** L.
2. *M. Romana hirsutior*, Hort. Reg. Bles. **M. officinalis** L., *testibus* Bucknall and White.
 3. *M. fruticosa Cretica semper virens* . . . nobis. Cited Sp. Pl. 601 = **Prasium majus** L.
 4. *M. peregrina folio oblongo*, C. B. P. Cited Hort. Cliff. 308. **Dracocephalum Moldavica** L., also *flore albo*.

CAPUT XXXII. **Hedera terrestris sive Chamaecissos.**

- P. 409, 1. *Hedera terrestris vulgaris*, C. B. P. Cited Hort. Cliff. 307. *Glechoma hederacea* L. = *Nepeta Glechoma* Benth. = **N. hederacea** Trev., *foliis eleganter variegatis* and *flore albo*.

CAPUT XXXIII. **Rosmarinus.**

- P. 410, 1. *Rosmarinus hortensis angustiore folio*, C. B. P. **R. officinalis** L.
 2. *R. hortensis latiore folio*, C. B. P. **R. officinalis** L. forma.
 3. *R. Stoechadis facie*, Prosp. Alp. No specimen. Cited Hort. Cliff. 302. **Teucrium creticum** L.; and in Schreb. Pl. Vert. Unilab. 28 for *T. hyssopifolium* Schreb., merged into the former in Ind. Kew.

CAPUT XXXIV. **Satureia.**

- P. 411, 1. *Satureia annua Cunila dicta vulgaris*, nobis. Cited Hort. Cliff. 306. **Satureia hortensis** L.
 2. *S. annua Orientalis tenuior*, ad singulos nodos florifera. Cited Sp. Pl. 568. *S. graeca* L. = **Micromeria graeca** Benth.
 3. *S. perennis hortensis vulgaris*, nobis. *S. montana* L., agreed to by Bucknall and White.
 412, 4. *S. perennis verticillis spicatum et densius dispositis*, nobis. Cited Sp. Pl. 567. *S. Juliana* L. = **Micromeria Juliana** Benth.
 5. *S. Cretica tenuifolia*, nobis. **Micromeria graeca** L. Bucknall and White say it is the var. *consentina* Tenore.

CAPUT XXXV. **Calamintha.**

- P. 412, 1. *Calamintha magno flore*, C. B. P. **Satureia grandiflora** Scheele.
 413, 2. *C. magno flore, odore Pulegii*, nobis. **S. grandiflora** Scheele.
 3. *C. montana vulgaris*, Tab. *Calamintha montana* Lam. = **S. Calamintha** Scheele.
 4. *C. Cretica parvo flore* . . C. B. P. Probably **S. Nepeta** Scheele.
 5. *C. flore minore, odore Pulegii*, J. B. **S. Nepeta** Scheele.
 7. *C. erecta Virginiana* . . *Pulegium Virginianum* quibusdam . . . *A Domino Willis e Virginia, 1671*. Cited Sp. Pl. ed. ii. 30. **Cunila mariana** L.

CAPUT XXXVI. **Nepeta sive Cataria.**

- P. 414, 1. *Nepeta sive Mentha cattaria vulgaris et major*, C. B. P. Cited Hort. Cliff. 310. **Nepeta Cataria** L.
 2. *N. sive Cattaria media*, Park. **N. Cataria** L. forma, the var. β of Sp. Pl.
 3. *N. sive Mentha Cattaria minor Alpina*, C. B. P. et Prod. **Nepeta Nepetella** L.

5. *N. sive Mentha Cattaria angustifolia major*, C. B. P. *N. nuda* L.
- 415, 6. *N. Pannonica major et elatior, nobis*. Cited Sp. Pl. 570. *N. pannonica* L. = *N. nuda* L. (I. K.), also *flore albo*.
7. *N. Indica rotundiore folio . . . Hort. Mal. Tom. 10 c. 90*. No specimen. Cited Sp. Pl. 571 for *N. indica* L. = *Anisomeles ovata* Br. = *A. indica* (L.) Kuntze.

Floribus singulatim dispositis, tetracarpis.

CAPUT XXXVII. **Scutellaria.**

- P. 416, 1. *Scutellaria spicata major Lamii folio, nobis*. Cited Hort. Cliff. 317. *Scutellaria peregrina* L.
2. *S. Virginiana erecta caerulea . . . D. Pl. Ph.* W. B. Turrill suggests that the specimen is not an American plant; cf. *S. albida* L.
5. *S. humilis lignosa Teucris facie, nobis*. *S. alpina* L.
6. *S. palustris repens caerulea, nobis*. Cited Hort. Cliff. 316. *S. galericulata* L.
7. *S. palustris repens Virginiana major. . . . Cited Sp. Pl. 599*. *S. lateriflora* L.
8. *S. palustris minima repens foliis non dentatis, nobis*. *S. minor* Huds.

CAPUT XXXVIII. **Dracocephalus.**

- P. 417, 1. *Dracocephalus angustifolius folio glabro serrato, nobis*. No specimen. Cited Sp. Pl. 594 for *Dracocephalum virginianum* L. = *Physostegia virginiana* Benth.
2. *D. latifolius glaber Lysimachiae luteae foliis*. No specimen. Cited Sp. Pl. ed. ii. 850 for *Chelone Penstemon* L. = *Pentstemon pubescens* Ait.
3. *D. hirsutus Lysimachiae foliis latioribus serratis*. Probably *P. pubescens* Ait.

CAPUT XXXIX. **Verbena.**

- P. 418, 1. *Verbena communis caeruleo flore, C. B. P.* *Verbena officinalis* L.
2. *V. Chalepensis major vulgaris facie*. *V. officinalis* L. forma.
3. *V. Americana Urticae folio, Hort. Reg. Bles*. No specimen. The figure (tab. 25, 3), which is labelled *V. recta Canadensis sive Virginiana maxima Urticae foliis, nobis*, is cited Sp. Pl. 20 for *V. urticifolia* L.
4. *V. Americana Urticae foliis . . . Hort. Lugd.* *V. hastata* L.

5. *V. Americana* media annua Ocimi folio . . . Breyn. Prod. 2. Cited Ait. Hort. Kew. i. 47. *Stachytarpheta prismatica* Vahl = *Bouchea Ehrenbergii* Cham. = *B. prismatica* (Vahl) Kuntze.
- 419, 6. *V. dispermos Americana lignescens Veronicae foliis, nobis.* Imperfect and mixed specimens; the leaves are *Stachytarpheta jamaicensis* Vahl; the flowers *S. cajanensis* Vahl, teste W. B. Turrill.
7. *V. tenuifolia*, C. B. P. *V. supina* L.
8. *V. nodiflora foliis minoribus viridibus, nobis.* *Verbena nodiflora* L. = *Lippia nodiflora* Michx.
12. *V. Orubica Teucree folio. . .* Cited Aiton Hort. Kew. i. 46 for *Stachytarpheta orubica* Vahl.

Floribus Galea carentibus.

CAPUT XL. **Marum Cortusi.**

- P. 420. *Marum Cortusi*, J. B. *Ex insulis Balearicis.* Cited Hort. Cliff. 303; also Schreber Pl. Vert. Unilab. 37. *Teucrium Marum* L.

CAPUT XLI. **Chamaedrys.**

- P. 421, 1. *Chamaedrys fruticosior sive Teucrium vulgare flore ochroleuco, nobis.* Cited Sp. Pl. 565. *Teucrium flavum* L.
- 422, 5. *C. fruticosior sive Teucrium lucidum . . .* D. Pluk. Phyt. Cited Schreb. Pl. Vert. Unilab. 35. *T. regium* Schreber.
7. *C. fruticosior flore violaceo . . . nobis.* Cited Hort. Cliff. 302. *T. fruticans* L.
10. *C. minor repens*, C. B. P. Cited Hort. Cliff. 302. *T. Chamaedrys* L.
11. *C. major repens*, C. B. P. No specimen. Cited Hort. Cliff. 302. *T. Chamaedrys* L.
12. *C. Alpina hirsuta repens*, Schol. Bot. Par. *T. Chamaedrys L. flore albo.*
- 423, 13. *C. Alpina major et elatior. . .* Cited Schreb. Pl. Vert. Unilab. 33. *T. lucidum* L.
14. *C. palustris Allium redolens, nobis.* Cited Hort. Cliff. 302. *T. Scordium* L.
15. *C. elatior Salviae folio, flore ochroleuco, nobis.* Cited Hort. Cliff. 301. *T. Scorodonia* L.
17. *C. multifida spinosa odorata*, Grisley. Cited Sp. Pl. 566. *T. spinosum* L.
18. *C. minor annua laciniatis foliis, nobis.* Cited Hort. Cliff. 301. *T. Botrys* L.

19. *C. annua multiflora tenuifolia Hispanica, Tournefortii*. No specimen. Cited Sp. Pl. ed. ii. 786 for *T. Nissolianum* L. = **T. Pseudo-chamaepitys** L. (I. K.).
20. *Teucris facie frutescens Canariensis pediculis longioribus*. . . . **Bystropogon canariense** L'Hérit.
21. *Teucris facie frutescens Canariensis pediculis brevioribus*. . . . The Madeiran **B. punctatus** L'Hérit.
22. *Teucris facie Bisnagarica* . . . D. Pluk. Phyt. Tab. 64. *Bherry pa-arra, Phyt. t. 64 f. 6. Gathered in Ava Sept. 1702, by Mr. W. Hancocke, ex Du Bois*. Cited Ait. Hort. Kew. i. 279. **Coldenia procumbens** L.

CAPUT XLI [bis]. **Chamaepitys**

- P. 425, 1. *Chamaepitys lutea vulgaris folio trifido*, C. B. P. Cited Hort. Cliff. 301. *Teucrium Chamaepitys* L. = **Ajuga Chamaepitys** Schreber.
2. *C. multifido folio, Lamii flore*, C. B. P. No specimen. Cited Schreb. Unilab. 30, for *Teucrium Pseudo-chamaepitys* L.
 3. *C. sive Iva moschata Monspeliensium*, J. B. **Ajuga Iva** Schreber.

Plantae Galeatae,

Semina post singulos flores plurima proferentes.

CAPUT XLII. **Pedicularis**.

- P. 426, 1. *Pedicularis pratensis lutea vel Crista galli*, C. B. P. Cited Hort. Cliff. 325. *Rhinanthus Crista galli* L.
- 427, 8. *P. seu Crista galli Apula* . . . nobis. No specimen. Cited Sp. Pl. ed. ii. 840 for *Rhinanthus Trixago* L. = **Bartsia Trixago** L.
13. *P. purpurea palustris* . . . nobis. **Pedicularis palustris** L.
 - 428, 15. *P. Alpina purpurea Teucris folio*, nobis. No specimen. Cited Hort. Cliff. 325. **Bartsia alpina** L.
 16. *P. Virginiana floribus conglomeratis ochroleucis*. **Pedicularis canadensis** L.

CAPUT XLIII. **Melampyrum**.

- P. 428, 1. *Melampyrum purpurascens coma*, C. B. P. **Melampyrum arvense** L.
- 429, 2. *M. cristatum flore albo et purpureo*, J. B. **M. cristatum** L.
3. *M. luteum latifolium*, C. B. P. **M. pratense** L.
 5. *M. caerulea coma*, C. B. P. **M. nemorosum** L.
 7. *Melampyro cognata Madraspatana spinis horrida*, D. Pluk. Phyt. *Varra Mooly*. Cited Sp. Pl. ed. ii. 887 for *Barleria cristata* L. The specimen is *Barleria Prionitis* L.
 8. *Melampyro affinis tetraphylla Gangetica floribus inter folia sparsis*, D. Pluk. **Blepharis boerhaviaefolia** Pers.

CAPUT XLIV. **Euphrasia vel Euphrosyne.**

- P. 430, 1. *Euphrasia officinarum*, C. B. P. Cited Hort. Cliff. 325. *E. officinalis* L. *sens. lat.* = **E. nemorosa** Pers.
5. *E. Alsines angustiore folio* . . . *Golcondensis*, D. Pluk. Phyt. Tab. 56. *Sent from Fort St. George by Dr. Edw. Bulkley, 1702, Covra Mooly.* **Justicia diffusa** Willd.
6. *E. foliis Lini angustioribus*, C. B. P. *Euphrasia linifolia* L. = **Bartsia lutea** Reichb. f.
8. *E. pratensis Italica latifolia*, C. B. P. Cited Sp. Pl. 604. *E. latifolia* L. = **Bartsia latifolia** Sibth. & Sm.
9. *E. erecta foliis* . . *Veronicae Westmorlandica*, nobis. **B. alpina** L.
10. *E. pratensis rubra*, C. B. P. **B. Odontitis** Huds.
- 432, 14. *E. lutea floribus Elephantis caput cum proboscide referentibus*, nobis. No specimen. Cited Sp. Pl. 603 for *Rhinanthus Elephas* L. = *Rhynchocorys Elephas* Griseb. = **Elephas Columnae** Guss.
15. *E. lutea latifolia palustris*, Raii. Cited Sp. Pl. 602. **Bartsia viscosa** L.
16. *E. pratensis lutea*, C. B. P. Cited Sp. Pl. 604. *Euphrasia lutea* L. = **Bartsia lutea** Reichb. f.

CAPUT XLV. **Asarina Galeata.**

- P. 432, 1. *Asarina Lobelii* . . . J. B. No specimen. Cited Hort. Cliff. 323, and Bot. Mag. t. 902 for **Antirrhinum Asarina** L.

Plantae Verticillatae non Galeatae.

CAPUT XLVI. **Cannabis.**

- P. 433, 1. *Cannabis sativa*, C. B. P. Cited Hort. Cliff. 457. **Cannabis sativa** L.
2. *C. peregrina gemmis fructuum longioribus*, *Bangue dicta*, nobis. *From Fort St. George, Du Bois.* **C. sativa** L. var. **indica** (Lam.).
3. *C. lutea fertilis Contareni*, Prosp. Alp. Cited Sp. Pl. 1469 (f. 4). **Datisca cannabina** L.

CAPUT XLVII. **Urtica.**

- P. 434, 1. *Urtica urens maxima*, C. B. P. **Urtica dioica** L.
2. *U. Canadensis racemosa mitior* . . . nobis. Cited Sp. Pl. 985. *U. canadensis* L. = **Laportea canadensis** Gaudich.
- 435, 4. *U. urens minor*, C. B. P. Cited Hort. Cliff. 440. **U. urens** L.

5. *U. pilulifera* Parietariae facie . . . nobis. Cited Hort. Cliff. 440. *U. pilulifera* L. var. *Dodartii* (L.).
6. *U. pilulifera* facie *Urticae vulgaris* . . . nobis. Sent from Bombay by my Bro. Daniel du Bois 1700. *U. pilulifera* L.

*Distributio Quarta: De Plantis Monopetalis Tetracarpis
Asperifoliis.*

CAPUT XLVIII. **Borago.**

- P. 437, 1. *Borago hortensis*, Ger. Cited Hort. Cliff. 44. *Borago officinalis* L., and *flore albo*.
2. *B. semper virens*. Cited Sp. Pl. 134. *Anchusa semper-virens* L.
 3. *B. minor verna repens folio laevi*, nobis. Cited Sp. Pl. 135 and Bot. Mag. t. 7. *Cynoglossum Omphalodes* L. = *Omphalodes verna* Moench.

CAPUT XLIX. **Buglossum.**

- P. 438, 1. *Buglossum perenne majus sativum*, nobis. *B. angustifol. majus flore albo* C. B. P. 276; cf. *Echium italicum* L., teste W. B. Turrill.
2. *B. majus Syriacum bullatis foliis*. . . *Anchusa strigosa* Labill., teste W. B. Turrill.
 4. *B. angustifolium minus*, C. B. P., J. B. Cited Sp. Pl. 133. *A. angustifolia* L.
 5. *B. perenne minus puniceis floribus*, nobis. Cited Hort. Cliff. 46. *A. officinalis* L.
- 439, 7. *B. minimum lignosius*, nobis. Probably *Lithospermum fruticosum* L.
8. *B. sylvestre asperum minus annuum* . . . nobis. Cited Hort. Cliff. 44. *Lycopsis arvensis* L.
 9. *B. annum sylvestre Creticum flore azureo*, Zanon. *Anchusa officinalis* L., teste W. B. Turrill.
 10. *B. annum humile bullatis foliis, flore caeruleo et eleganter variegato*, nobis. Cited Sp. Pl. 138 for *Lycopsis variegata* L.; but the specimen, according to W. B. Turrill and Dr. Stapf, is *Anchusa hybrida* Ten.
 11. *B. procumbens annum pullo minimo flore*, D. Moris. Cited Sp. Pl. 138. *Lycopsis vesicaria* L. = *Nonnea nigricans* DC. = *N. vesicaria* Reichb.
 13. *B. sylvestre cauliculis procumbentibus, fructu pedem anserinum referente*, nobis. Cited Sp. Pl. 138. *Asperugo procumbens* L.

CAPUT L. **Echium.**

- P. 440, 1. *Echium vulgare*, C. B. P. Cited Hort. Cliff. 43. **Echium vulgare** L.
 2. *E. sylvestre hirsutum maculatum*, C. B. P. Flowering spike only, ? a form of **E. vulgare** L.
 3. *E. majus et asperius flore albo*, C. B. P. **E. italicum** L.
 441, 6. *E. ramosius annuum flore suave rubente, nobis*. From seeds collected by W. Sherard in Jersey. **E. plantagineum** L.
 8. *E. Creticum latifolium rubrum*, C. B. P. Cf. **E. creticum** L.

CAPUT LI. **Anchusa.**

- P. 442, 1. *Anchusa lutea major*, C. B. P. **Onosma stellulatum** W. & K.
 2. *A. lutea minor*, C. B. P. J. B. **Lithospermum apulum** Vahl.
 Another sheet is probably **Onosma stellulatum** W. & K. var. **angustifolium** (Lehm.).

CAPUT LII. **Consolida major sive Symphytum.**

- P. 444, 1. *Symphytum sive consolida major*, C. B. P. **Symphytum officinale** L.
 2. *S. majus tuberosa radice*, C. B. P. **S. tuberosum** L.
 6. *S. non maculosum sive Pulmonaria Americana* . . . D. Pluk. Phyt. Cited Sp. Pl. 135. *Pulmonaria virginica* L. = *Mertensia pulmonaroides* Roth = **Pneumaria virginica** Hill.
 8. *S. maculosum sive Pulmonaria latifolia*, C. B. P. **Pulmonaria officinalis** L., and *flore albo*.
 9. *Pulmonaria Batavica maxima foliis longioribus maculis majoribus conspersis*. Leaves only, of a form of above.
 10. *P. angustifolia rubente caeruleo flore*, C. B. P. Cited Hort. Cliff. p. 44. **P. angustifolia** L.

CAPUT LIII. **Cerinte.**

- P. 445, 1. *Cerinte sive Cynoglossum montanum majus*, C. B. P. **Cerinte major** L.
 446, 3. *C. flore purpureo sive ex rubro purpurascete*, C. B. P. **C. minor** L. var. **maculata** (L.).
 5. *C. minor annua*, C. B. P. **C. minor** L.
 7. *C. minor perennis Virginiana flore luteo*. 'A J. Banister transmissa'; but the genus is not American; the plant appears to be **C. minor** L.

CAPUT LIV. **Lithospermum.**

- P. 446, 1. *Lithospermum erectum* vulgare majus flore ochroleuco, nobis. **Lithospermum officinale** L.
- 447, 2. *L. perenne procumbens* flore purpurocaeruleo majore, nobis. Cited Hort. Cliff. 46. *L. purpurocaeruleum* L.
3. *L. latifolium* Virginianum. . . No specimen. Cited Sp. Pl. 132 for *L. virginianum* L. = **Onosmodium virginianum** A. DC.
4. *L. Virginianense* flore luteo. . . . No specimen. Cited Sp. Pl. 134 for **Anchusa virginiana** L.
5. *L. latifolium umbellatum*, Bocc. From Monte Pellegrino, Sicily, where it still grows. The name suggests **Lithospermum rosmarinifolium** Ten.; but the imperfect specimen is queried as *L. arvense* by W. B. Turrill.
7. *L. annuum album tetracarpon* . . . nobis. Cited Hort. Cliff. 46. **L. arvense** L.
9. *L. annuum monocarpon spicatum* Linariae folio, nobis. *Stellera Passerina* L. = *Thymelaea arvensis* Lam. (I. K.) = **T. Passerina** Lange.

CAPUT LV. **Cynoglossum.**

- P. 448, 1. *Cynoglossum vulgare*, C. B. P. **Cynoglossum officinale** L.
Also a sheet of the white-flowered form from near Reading, the first record for Berks.
2. *C. maximum* Belgicum, C. B. P. **C. officinale** L.
- 449, 5. *C. globoso* flore, C. B. P. ? **C. officinale** L.
6. *C. Creticum* folio argenteo angusto, C. B. P. **C. cheirifolium** L.
7. *C. fructu umbilicato*, C. B. P. Cited DC. Prod. x. 148. **C. Columnae** Biv.
8. *C. semper virens*, C. B. P. **C. montanum** L.; also a form with variegated leaves.
9. *C. Virginianum virenti* folio. . . . Cited Sp. Pl. ed. ii. 189, and Ait. Hort. Kew. i. 286. *Myosotis virginiana* L. = *M. virginica* L. Sp. Pl. ed. ii. 189 = *Echinosperrum virginicum* Lebm. = **Lappula virginiana** (L.) Greene.
10. *C. hirsutum vineale minus flosculis minimis caeruleis*, nobis. Cited Hort. Cliff. 46. *Myosotis Lappula* L. = *Echinosperrum* Lebm. = **Lappula echinata** Gilib.
11. *C. minus album Lini foliis glaucis* . . . nobis. It was cultivated in Hort. Ox. as early as 1648. Cited Sp. Pl. 134. *Cynoglossum linifolium* L. = **Omphalodes linifolia** Moench.
- 450, 12. *C. perenne maritimum procumbens* . . . nobis. Cited Sp. Pl. 136. *Pulmonaria maritima* L. = *Mertensia mar.* S. F. Gray = **Pneumaria maritima** Hill.

CAPUT LVI. **Echium scorpioides sive Scorpiuros.**

- P. 450, 1. *Scorpiurus annuus arvensis hirsutus caeruleus*, nobis. Cited Hort. Cliff. 45. **M. scorpioides** L. (*M. arvensis* Auct.).
- 451, 2. *S. arvensis hirsutus flosculis minoribus luteolis*, nobis. **M. versicolor** Sm.
- Linnaeus made confusion by including this and other distinct species in his *M. scorpioides*.
3. *S. humilis Virginianus foliis rutaceis*. Cited Sp. Pl. ed. ii. 231, for *Polemonium*? *Nyctelea* L. = *Ellisia Nyctelea* L. The specimen is not *Ellisia* but appears to be **Phacelia hirsuta**, Nutt. (= *P. parviflora* Pursh I. K.).
4. *S. palustris perennis* . . . nobis. **Myosotis palustris** Hill.

CAPUT LVII. **Heliotropium.**

- P. 451, 1. *Heliotropium Americanum caeruleum foliis Hormini*, Dodart. **H. indicum** L., confirmed by W. B. Turrill.
- 452, 6. *H. gnaphaloides litoreum frutescens Americanum*, D. Pluk. Phyt. 193. **Tournefortia gnaphaloides** Br., teste N. E. Brown.
7. *H. majus Dioscoridis*, C. B. P. **Heliotropium europaeum** L.
10. *H. minus supinum*, C. B. P. **H. supinum** L.
12. *H. Curassavicum foliis Lini umbilicati*, Par. Bot. Prod. Cited Sp. Pl. 130. **H. curassavicum** L.

SECTIO XII. DE PLANTIS MULTISILIQUIS POLYSPERMIS
& MULTICAPSULARIBUS.

Distributio Prima: Plantae multisiliquas polyspermae.

CAPUT I. **Paeonia.**

- P. 454, 1. *Paeonia simplex latiore folio trifido*, nobis. Leaf only. Cited DC. Syst. i. 388. Probably **Paeonia corallina** Retz, teste Dr. Stapf.
3. *P. promiscua Vormarii folio latiore*, J. B. No specimen. Cited DC. l. c. 390 for **P. peregrina** Miller.
4. *P. folio subtus incano, flore albo vel pallido*, C. B. P. **P. peregrina** Miller, teste Dr. Stapf.
6. *P. communis vel foemina*, C. B. P. Cited DC. l. c. 389 for *P. officinalis* L. Leaf only. **P. peregrina** Miller, teste Dr. Stapf.
- 455, 7. *P. foemina altera*, C. B. P. No specimen. Cited DC. l. c. 389 for **P. officinalis** L.
8. *P. tenuis laciniata, subtus pubescens flore purpureo*, C. B. P. Cited DC. l. c. 392, n. 9 for *P. humilis* Retz. The specimen is, teste Dr. Stapf, **P. peregrina** Miller.

11. *P. peregrina* flore saturo rubente, C. B. P. No specimen. Cited Bot. Mag. t. 1050. *P. peregrina* Miller.
13. *P. foemina* flore pleno rubro majore, C. B. P. Cited DC. l. c. 389. *P. officinalis* L. *flore pleno*.
14. *P. foemina* flore pleno minore, C. B. P. *P. officinalis* L., *teste* Dr. Stapf.
15. *P. flore pleno incarnato*, Eyst. Cited DC. l. c. 390. *P. officinalis* L., *flore pleno*.
16. *P. foemina* flore albo pleno, C. B. P. *P. officinalis* L. *flore pleno*.
17. *P. flore pleno purpurascente papaverino*. *P. officinalis* L., *teste* Dr. Stapf.

CAPUT II. **Fraxinella.**

- P. 456. *Fraxinella*, Dod. Cited Hort. Cliff. 161. *Dictamnus Fraxinella* Pers. = *D. alba* L.
Fraxinella niveo flore. *D. Fraxinella* Pers. *flore albo* = *D. alba* L.

CAPUT III. **Aquilegia.**

- P. 457, 1. *Aquilegia sylvestris*, C. B. P. Cited Hort. Cliff. 215. *Aquilegia vulgaris* L.
3. *A. montana* magno flore, C. B. P. et 1 Prod. No specimen. Cited DC. Prod. 337. *A. alpina* L.
 4. *A. praecox* Canadensis, . . . nobis. Cited Sp. Pl. 534. *A. canadensis* L.
- 458, 5. *A. montana* parvo flore, *Thalictri folio*, C. B. P. 2 Prod. Leaf only. Cited Sp. Pl. 557? *Isopyrum aquilegioides* L. (DC. refers it to *Aquilegia pyrenaica*).
6. *A. hortensis* flore magno, C. B. P. Cited DC. Syst. 1. 334. *A. vulgaris* var. *corniculata* DC.
 8. *A. hortensis* flore inverso, C. B. P. No specimen. Cited DC. l. c. 335 for *A. vulgaris* var. *inversa* DC.
 9. *A. flore roseo seu stellato simplicior et multiplicior*, C. B. P. Cited DC. l. c. *A. vulgaris* L. var. *stellata* DC.
 10. *A. degener virescens*, C. B. P. No specimen. Cited DC. l. c. for *A. vulgaris* L. var. *degener* DC.

CAPUT IV. **Helleborus niger.**

- P. 459, 1. *Helleborus niger* flore roseo, C. B. P. Cited Hort. Cliff. 227. *Helleborus niger* L.
4. *H. ranunculoides praecox tuberosus* flore luteo, nobis. Cited Sp. Pl. 557. *H. hyemalis* L. = *Eranthis* Salisb. = *Cammarum hyemale* Greene.

5. *H. niger sylvestris ramosus latiore folio deciduo*, nobis. Cited Hort. Cliff. 227. The specimen probably from Stokenchurch (first record for Oxon.). *H. viridis* L. var. *occidentalis* Druce.
6. *H. niger ramosus angustifolius semper virens elatior*, nobis. No specimen. Cited Hort. Cliff. 227. *H. foetidus* L.
- 460, 7. *H. niger trifolius Aldini, Muntingii*. Cited Sp. Pl. 558 for *H. foetidus* L. var. β , and by DC. Syst. 321 for *H. lividus* DC. The specimen is *H. corsicus* Willd., an identification confirmed by Bucknall and White.

CAPUT V. **Pseudo-Helleborus ranunculoides.**

- P. 461, 1. *Pseudo-helleborus ranunculoides pratensis rotundifolius simplex*, nobis. Cited Hort. Cliff. 228. *Caltha palustris* L. Also a sheet *flore pleno*.
2. *P. ranunculoides luteus flore globoso*, nobis. No specimen. Cited Hort. Cliff. 228. *Trollius europaeus* L.
 3. *P. ranunculoides albus flore simplici majore*, nobis. No specimen. Cited DC. Syst. i. 240. *Ranunculus platanifolius* L.
 4. *Idem floribus plenis reperitur*. *R. platanifolius* L. *flore pleno*.
 5. *Aconitum Ranunculoides album flore simplici minore*, nobis. Cited Hort. Cliff. 229. *R. aconitifolius* L.

CAPUT VI. **Aconitum.**

- P. 462, 1. *A. lycoctonum luteum*, C. B. P. Cited Hort. Cliff. 213. *Aconitum Lycoctonum* L.
- 463, 2. *A. luteum majus foliis amplioribus*, Dod. Schol. Bot. Par. *A. Lycoctonum* L.
7. *A. salutiferum luteum tenuifolium sive Anthora*, nobis. Cited Sp. Pl. 214. *A. Anthora* L.
 8. *A. salutiferum elatius foliis atrovirentibus, flore majore Pyrenaicum*, Schol. Bot. Par. *A. Anthora* L.
 9. *A. caeruleum seu Napellus 1*, C. B. P. Cited Hort. Cliff. 214. *A. Napellus* L. The specimen, *teste* Dr. Stapf, is *A. Napellus* L. (*sensu lato*) var. 'English' Aconite, early flowering.
 10. *A. violaceum seu Napellus 2*, C. B. P. No specimen. Cited DC. Syst. i. 374. *A. tauricum* Wulf.
 11. *A. purpureum seu Napellus 3*, C. B. P. Cited DC. Syst. l. c. 373. *A. neubergense* DC. = *A. Napellus* L. var. *neubergense* (DC.). The specimen, *teste* Dr. Stapf, is *A. Napellus* L. (*sensu lato*) nearest *A. compactum* Reichb.
 12. *A. caerulea purpureo flore maximo sive Napellus 4*, C. B. P. Cited DC. l. c. 376. *A. rostratum* Bernh. = *A. variegatum*

- L. var. *rostratum* (Bernh.). The plant, *teste* Dr. Stapf, is a weak state of *A. Napellus* L. (*sensu lato*) possibly of *A. neomontanum* Wulf. (Cf. Gayer, Vorarb. 44.)
- 464, 16. *A. Lycoctonum* flore caeruleo et albo variegato, Eyst. Cited Hort. Cliff. 214. *A. variegatum* L., *teste* Dr. Stapf.
17. *A. coma inflexa* foliis angustioribus, C. B. P. No specimen. Cited DC. l. c. 375. *A. paniculatum* Lam.
19. *A. caeruleum glabrum* flore *Consolidae regalis*, C. B. P. *Delphinium* queried by Bucknall and White as *D. fissum* W. & K. = *D. hybridum* Steph.
Another sheet is *D. elatum* L.
20. *A. caeruleum hirsutum* flore *Consolidae regalis*, C. B. P. No specimen. Cited Hort. Cliff. 213. *Delphinium elatum* L.

CAPUT VII. *Staphis agria*.

- P. 465. *Staphis agria*, C. B. P. No specimen. Cited Hort. Cliff. 213. *Delphinium Staphisagria* L. DC. Syst. i. 363 refers it to *D. pictum* Willd.

CAPUT VIII. *Consolida regalis sive Delphinium*.

- P. 466, 1. *Consolida regalis arvensis*, C. B. P. Cited DC. l. c. 343. *Delphinium Consolida* L.
2. *C. regalis vulgaris* flore multiplici, C. B. P. Cited DC. l. c. 342. *D. Ajacis* L.
3. *C. regalis latifolia* parvo flore, C. B. P. et Prod. Cited Sp. Pl. 531. *D. peregrinum* L. DC. l. c. 347 refers it to *D. cardiopetalum*.
5. *C. regalis hortensis* flore minore, C. B. P. Cited DC. l. c. 344, n. 5. *D. pubescens* DC.
6. *C. regalis hortensis* flore majore simplici, C. B. P. Cited DC. l. c. 342. *D. Ajacis* L. Several sheets, of various coloured double varieties, are included; see nos. 7 and 8.
7. Huic adjicitur *Consolida regalis hortensis elatior* flore duplici versicolore, nobis.
8. *Consolida regalis elatior* flore majore et multiplici, C. B. P. The specimens numbered 7 and 8 are garden double forms of *D. Ajacis* L.

CAPUT IX. *Telephium sive Crassula*.

- P. 467, 1. *Telephium vulgare*, C. B. P. Cited Hort. Cliff. 176. Excellent specimen of *Sedum Telephium* L.; the leaves are narrowed at base, i. e. var. *purpureum* L.
- 468, 7. *T. majus album* foliis et caulibus purpureis. *S. Telephium* L. forma.
8. *T. luteum* minus radice rosam redolente, nobis. Cited Sp. Pl. 1035. *Rhodiola rosea* L. = *Sedum roseum* Scop.

CAPUT X. **Planta Multisiliqua Polysperma.**

- P. 468. *Sedo affinis juncoides umbellata palustris, nobis.* Cited Sp. Pl. 372. **Butomus umbellatus L.**

CAPUT XI. **Sedum.**

- P. 470, 1. *Sedum majus arborescens, J. B.* Cited Hort. Cliff. 178. **Sempervivum arboreum L.**
2. *S. roseum Canaricum latifolium . . . Sempervivum tabulaeforme Haw., teste N. E. Brown.*
4. *S. luteum murale spicatum folio umbilicato rotundo, nobis.* Cited Sp. Pl. 429. **Cotyledon Umbilicus-veneris var. tuberosa L.**
- 471, 5. *S. luteum umbilicatum spicatum radice repente majus, nobis.* Cited Sp. Pl. 429. **C. Umbilicus-veneris var. repens L.**
6. *S. minus luteum folio acuto, C. B. P.* Cited Hort. Cliff. 176. **Sedum reflexum L.**
9. *S. minus luteum foliis acutis densius stipatis et caulibus rubescentibus, nobis.* **S. rupestre L., testibus Bucknall and White.**
10. *S. minus lato et crasso caule Portlandicum Belgarum, H. L. B.* A monstrous condition of **S. rupestre L., teste N. E. Brown.**
12. *S. parvum acre flore luteo, J. B.* **S. acre L.**
13. *S. minimum luteum non acre, J. B.* *E Botan. Sicco Petiveri.* **S. acre L., testibus Bucknall and White.**
14. *S. montanum perpusillum luteum, Park.* No specimen. Cited Sp. Pl. 425 for *Cherleria sedoides L. = Arenaria sedoides (L.) Druce.*
- 472, 18. *S. majus vulgari simile, globulis decidentibus, nobis.* Cited Sp. Pl. 464 and Bot. Mag. t. 507. **Sempervivum globiferum L.**
22. *S. Africanum umbellatum . . . D. Pluk. Phyt. Tab. 314. Fig. 3. Leaves only.* **Rochea jasminea DC., teste N. E. Brown.**
23. *S. minus teretifolium album, C. B. P.* Cited Hort. Cliff. 177. **Sedum album L.**
- 473, 33. *S. Alpinum hirsutum lacteo flore, C. B. P.* **Androsae villosa L.**
34. *S. minimum non acre flore albo, Raii.* **Sedum anglicum Huds.**
35. *S. minus folio circinato, C. B. P.* Cited Sp. Pl. 431. **S. dasyphyllum L.**
36. *S. echinatum vel stellatum flore albo, J. B. Chab.* Suggested by Bucknall and White to be *S. villosum L.*, but I doubt it.
37. *S. annuum album oblongo Portulacae minoris folio, nobis.* Cited Sp. Pl. 431. **S. Cepaea L.**

- 474, 39. *S. Africanum frutescens*, Hort. Lugd. Bat. Leaves only. Cited Sp. Pl. 429, and Bot. Mag. t. 321. *Cotyledon orbiculata* L.
41. *S. majus vulgare*, C. B. P. Cited Hort. Cliff. 179. *Sempervivum tectorum* L.
44. *S. montanum tomentosum*, C. B. P. Cited Hort. Cliff. 180. *Sempervivum arachnoideum* L.
- 475, 48. *S. palustre subhirsutum purpureum*, C. B. P. *Sedum villosum* L.
- Also a sheet from Dr. Richardson; *in some moist places about the bridle way betwixt Settle and the Hill Hinkelham, and alsoe as you ascend the Hill to the place where Chamaemorus (Rubus Chamaemorus) grows.*
49. *S. stellatum annuum rotundifolium*, nobis. *S. stellatum* L.
50. *S. annuum minimum stellatum rubrum*, D. Magnol. Leafless specimen. *S. stellatum* L., *testibus* Bucknall and White.
- Another sheet from *D. Nissolle M. D. Monspel.* is, *testibus* Bucknall and White, *S. caespitosum* DC. Prod. iii. 405 = *Crassula Magnolii* DC. Fl. Fr. Supp. 522 = *Sedum Magnolii* (DC.) Bubani.

Plantae Succulentae Bicornes.

CAPUT XII. *Sedum bicornes*.

- [P. 476, 1. *S. Saxifragae albae flore vel grandiflorum*, C. B. P. Alpbibus collectum Fr. Gregorius Rhegiensis, Fab. Col. transmisit.
- This is the Gregory of Reggio whose collection of Italian plants is preserved at the Oxford Botanic Garden. It is dated 1606, and contains some of the earliest localized specimens extant.]
- 477, 3. *S. Alpinum flore pallido*, C. B. P. No specimen. Cited Sp. Pl. 403 for *Saxifraga aizoides* L.
5. *S. palustre luteum bicornes Nardi Celticae foliis*, nobis. No specimen. Cited Sp. Pl. 402 for *S. Hirculus* L.
6. *S. angustifolium autumnale flore luteo guttato*, nobis. Cited Sp. Pl. 402. *S. autumnalis* L. = *S. aizoides* L.
7. *S. palustre luteum foliis subrotundis sessilibus*, nobis. Cited Sp. Pl. 398. *Chrysosplenium oppositifolium* L.
8. *S. palustre luteum majus foliis pediculis longis insidentibus*. nobis. Cited Sp. Pl. 398. *C. alternifolium* L.
10. *S. montanum serratum album* . . . nobis. Cited Hort. Cliff. 167. *Saxifraga rotundifolia* L.
11. *S. montanum serratum rotundifolium album guttato flore*, nobis. Cited Hort. Cliff. 168. *S. umbrosa* L. The specimen is *S. Geum* L.

- 478, 12. *S. montanum rotundifolium minus album non guttatum*, nobis. Cited Sp. Pl. ed. ii. 575. *S. Geum* L. var.
13. *S. montanum hirsutum . . . flore albo guttato*, nobis. Cited Sp. Pl. 400. *S. stellaris* L.
15. *S. montanum bicorne glabrum, flore candido non guttato*. *S. nivalis* L.
16. *S. bicorne serratum subrotundum . . . floribus punctatis*, nobis. *S. punctata* L.
17. *S. bicorne serratum . . . floribus punctatis*, nobis. Cited Sp. Pl. 401 and in Ait. Hort. Kew. iii. 67. *S. punctata* L.
18. *S. montanum bicorne rotundifolium minus non serratum*, Sherardi. Sent by Sherard doubtless from Switzerland. *S. cuneifolia* L.
19. *S. serratum album bicorne breviori folio marginibus argenteis*, nobis. Cited Sp. Pl. 398 for *S. Cotyledon* L. The specimen is *S. Aizoon* Jacquin.
 Another sheet with C. Bauhin's synonym *C. media fol. oblongis serratis*, is *S. Cotyledon* L.; but the former is Bobart's type.
20. *S. serratum album bicorne longiore folio marginibus argenteis*, nobis. Cited Sp. Pl. 398. *S. Cotyledon* L.
21. *S. serratum album bicorne minus . . . nobis*. *S. Aizoon* Jacq., confirmed by Dr. Stapf.
- 479, 23. *S. bicorne album rotundifolium erectum radice granulosa*, nobis. Cited Hort. Cliff. 167. *S. granulata* L.
24. *S. . . . radice granulata et ad caulem tubercula proferens*, nobis. Cited Sp. Pl. 403. *S. bulbifera* L.
25. *S. Alpinum hispidum fere spinosum flore pallido*, J. B. Chab. Cited Sp. Pl. 402. *S. aspera* L.
26. *S. Alpinum trifido folio*, C. B. P. Cited Sp. Pl. 405. *S. hypnoides* L.
27. *S. tridactylites Alpinum minus*, C. B. P. *S. hypnoides* L., confirmed by Dr. Stapf.
28. *S. tridactylites Alpinum majus album*, C. B. P. Cited Sp. Pl. ed. ii. 578 for *S. petraea* L. The specimen is *S. decipiens* Ehrh. = *S. rosacea* Moench, *testibus* W. B. Turrill and Dr. Stapf.
30. *S. tridactylites Alpinum caule folioso*, C. B. P. 3 Prod. Dr. Stapf and W. B. Turrill suggest cf. *S. capitata* Lap. (= *S. ajugaefolia* × *aquatica*).
31. *S. tridactylites tectorum*, C. B. P. Cited Hort. Cliff. 168. *S. tridactylites* L.
- 480, 32. *S. Alpinum monanthos muscosum*, nobis. No specimen. Cited Sp. Pl. 399 for *S. caesia* L.
36. *S. Alpinum ericoides purpurascens*, C. B. P. et Prod. Cited Sp. Pl. 402. *S. oppositifolia* L.

3. *S. Alpinum hirsutum luteum*, C. B. P. *Draba aizoides* L.,
teste Dr. Stapf.
- 481, 5. *S. alterum ejusdem* 2. Cited Bot. Mag. t. 868. *Androsace lactea* L.
6. *S. Siculum maritimum vermiculatum* . . . Bocc. Cited Sp. Pl. ed. ii. 754. *Reaumuria vermiculata* L.

Plantae Bicornes Polyspermae.

CAPUT XIII. *Gentiana minor*.

- 481, 1. *Gentianella autumnalis Centaurii minoris folio*, Park. Mixed specimens of *Gentiana campestris* L. and *G. Amarilla* L.
- 482, 2. *G. brevis folio*, C. B. P. from S. Dale. Also mixed specimen of *G. Amarilla* and *G. campestris* L.
9. *G. Alpina verna minor*, C. B. P. *G. verna* L.
10. *G. angustifolia autumnalis minus floribus ad latera pilosis*, C. B. P. *G. ciliata* L.
11. *Gentiana palustris latifolia flore punctato*, C. B. P. Cited Hort. Cliff. 53. *Swertia perennis* L.
- 483, 12. *G. palustris angustifolia*, C. B. P. Cited Hort. Cliff. 3. The specimen perhaps from Berkshire county, for which this is the first record. *G. Pneumonanthe* L.
13. *G. minima verna flore caeruleo*, Eyst. *G. verna* L.
14. *G. 5. sive Gentianella verna major*, Clus. Cited Hort. Cliff. 81. *G. acaulis* L. *sens. lat.*
16. *G. cruciata*, C. B. P. Cited Hort. Cliff. 81. *G. Cruciata* L.

CAPUT XIV. *Gentiana major*.

- P. 484, 1. *G. major lutea*, C. B. P. No specimen. Cited Hort. Cliff. 80. *G. lutea* L.
2. *G. major flore punctato*, C. B. P. Leaf only? *G. punctata* L.
4. *G. Virginiana Saponariae folio, flore caeruleo longiore*. Cited Sp. Pl. 228 and Bot. Mag. t. 1039. *G. Saponaria* L.
5. *G. Aselepiadis folio*, C. B. P. *G. aselepiadea* L.

CAPUT XV. *Helleborus albus*.

- P. 485, 1. *Helleborus albus flore subviridi*, C. B. P. Cited Hort. Cliff. 468. *Veratrum album* L.
2. *H. albus flore atrorubente*, C. B. P. Cited Sp. Pl. 1044 and Bot. Mag. t. 963. *V. nigrum* L.

Distributio Secunda: Plantae Multicapsulares
Polyspermae.

CAPUT XVI. **Helleborine.**

- P. 486, 1. *Helleborine latifolia montana*, C. B. P., represented by **Helleborine latifolia** Druce *agg.* and **H. media** Druce.
- 487, 2. *H. altera atrorubente flore*, C. B. P. Park. **H. latifolia** *agg.* Probably **H. media** Druce (not *H. atrorubens* Druce).
5. *H. montana angustifolia purpurascens*, C. B. P. **Cephalanthera rubra** Rich.
8. *H. palustris seu pratensis nostras, radice repente*. Cited Sp. Pl. ed. ii. 1345 for *Serapias longifolia* L. var. γ . The specimen is **Helleborine palustris** Schrank.
- 488, 12. *H. flore albo vel Damasonium montanum latifolium*. Probably from Stokenchurch, Oxon, where Bobart discovered it. *Cephalanthera grandiflora* S. F. Gray = **C. Damasonium** (Mill.) Druce.
13. *H. palustris angustifolia flore albo*, Sherardi. *Helleborine flore albo*. *This is the same plant Mr. Nuton [Newton] mistooke and called Heleborine foliis praelongis angustissimis R.S.M.* The plant is, however, *Cephalanthera ensifolia* Rich. = **C. longifolia** Fritsch.
 Sherard first discovered it at Ballynahinch in Galway, and his specimen is on a second sheet.
14. *H. flore rotundo sive Calceolus*, C. B. P. Doubtless the Helkwood, Yorkshire, specimen of **Cypripedium Calceolus** L.
15. *H. Virginiana sive Calceolus flore luteo majore*. 'A D. Banister, e Virginia.' Cited Sp. Pl. 951. **C. Calceolus** L. var. β = **C. pubescens** Willd. = **C. hirsutum** Mill.
16. *H. Virginiana diphylla sive Calceolus . . . nobis*. Cited Sp. Pl. 951 (for f. 15) *Arethusa ophioglossoides* L. = **Pogonia ophioglossoides** Ker-Gawl; see Bot. Reg. t. 148.
17. *H. flore majore purpureo sive Calceolus Marianus hirsutior . . . nobis*. Cited Sp. Pl. 951. **Cypripedium Calceolus** L. var. γ = **Cypripedium spectabile** Salisb. = **C. Reginae** Walt.

CAPUT XVII. **Bifolium sive Ophrys.**

- P. 489, 1. **Bifolium majus vulgare, nobis**. Cited Hort. Cliff. 429. **Ophrys ovata** L. = **Listera ovata** Br.
2. **B. palustre**, Park. Bobart quotes as localities Gamlingay, Cambs.; St. Albans, Herts.; and Kent. **Malaxis paludosa** Sw.

CAPUT XVIII. **Orchis**

- P. 491, 9. *O. barbata* odore hirci, brevior latioreque folio, C. B. P. Cited Sp. Pl. 944. *Satyrium hircinum* L. = *Orchis hircina* Crantz.
11. *O. sive Satyrium e Guinea delatum Swertii*, C. B. P. No specimen. Cited Bot. Mag. t. 961 for *Haemanthus multiflorus* Martyn.
- 492, 20. *O. militaris pratensis humilior*, C. B. P. *O. pusilla alba odorata, radice palmata* R. Syn. 239. *O. ustulata* L.
Another sheet *Cynosorchis Panonica* & *Clus.* has a flowering stem of *O. pyramidalis* L., but Bobart's description clearly refers to *O. ustulata*.
21. *O. globosa flore*, C. B. P. *O. globosa* L.
There is here a sheet of MS., with drawing and description of *Lathraea Squamaria* and *Herminium*.

CAPUT XIX. (*Orchis, continued.*)

- P. 493, 2. *O. anthropophora* foliis angustioribus, spica longiore et tenuiore, nobis. Bobart's species includes a number of species belonging to different genera.
The sheet bears a specimen, probably from Oxon, of *O. simia* Lam.; and another of *O. ustulata* L. The Essex locality Dalington, a misprint for Balingdon, refers to *Aceras anthropophora*. The Henley locality is for *O. militaris*.
- 494, 5. *O. galea et alis fere cinereis*, J. B. *O. militaris* L. Bobart thus describes its distribution at that time: 'in tota montium catena intra pagum Stoken-church dictum, Henley et Readingam, non raro occurrit. In latomia vetusta ultra Hinksey haud longe ab Oxonio etiam reperitur.' The specimens in both counties still occurring can now be counted on one's fingers.
7. *O. melitias* J. B. *Ophrys aranifera* Huds. = *O. sphogodes* Mill.
8. *O. fuscum referens major foliolis superioribus candidis et purpurascens*, C. B. P. *Ophrys apifera* Huds.
- 495, 13. *O. Muscae corpus referens minor*, C. B. P. The specimen is on sheet 494, 7. *O. muscifera* Huds.
18. *O. alba calcari oblongo*, J. B. *Habenaria chlorantha* Bab. = *H. virescens* Druce; also *H. bifolia* Br.
20. *O. montana Italica flore ferrugineo, lingua oblonga*, C. B. P. *Serapias Lingua* L.

CAPUT XX. **Triorchis & Monorchis.**

- P. 496, 2. *Triorchis alba odorata minor*, C. B. P. *Spiranthes spiralis* C. Koch.

- 497, 7. *O. odorata moschata* sive *Monorchis*, C. B. P. Found by Bobart near Stokenchurch and Caversham, Oxon. *Hermidium Monorchis* Br.

CAPUT XXI. **Orchis palmata.**

- P. 498, 1. *Orchis palmata pratensis latifolia longis calcaribus* l. C. B. P. *O. latifolia* L. *sens. lat.*
 5. *O. . . . pratensis maculata* 3. C. B. P. *O. maculata* L.
 499, 11. *O. . . . Ophrios flore viridi, nobis.* *Habenaria viridis* Br.
 14. *O. . . . rubella cum longis calcaribus rubellis*, J. B. *Habenaria conopsea* Benth. = *H. Gymnadenia* Druce.
 15. *O. . . . elegans lutea Virginiana cum longis calcaribus luteis.* Cited Sp. Pl. 939. *Orchis ciliaris* L. = *Habenaria ciliaris* Br.
 17. *O. . . . angustifolia Alpina nigro flore* 21. C. B. P. *Habenaria nigra* Br.

CAPUT XXII. **Pseudo-orchis.**

- P. 500, 1. *Pseudo-orchis bulbosa lilifolia palustris . . . nobis.* Cited Hort. Cliff. 429. *Liparis Loeselii* Rich.
 Also a sheet labelled *Orchis palmata, D. Lloyd.* *Habenaria albida* Br.

CAPUT XXIII. **Orobanche.**

- P. 502, 1. *Orobanche major Garyophyllum olens*, C. B. P. Cited Hort. Cliff. 321. *Orobanche Rapum-genistae* Thuill.
 2. *O. major flore*, C. B. P. Cited Sp. Pl. 632. *O. laevis* L.
 3. *O. flore majore ex caeruleo purpurascente*, C. B. P. et Prod. No specimen. Cited Sp. Pl. 606 (f. 15). *Lathraea clandestina* Sw.
 4. *O. Monspeliaca floribus oblongis*, C. B. P. *Limodorum abortivum* Sw.
 5. *O. monanthos Virginiana flore majore pentapetalo.* No specimen. Cited Sp. Pl. 387 for *Monotropa uniflora* L.
 6. *O. elegantissima flore luteo verna*, Gab. A drawing, and a carbon-impression marked *D. Tourn. e Portugalia. D. Sherard.* Cited Sp. Pl. 606. *Lathraea Phelypaea* L. = *Phelypaea tinctoria* Walp. = *Cistanche lutea* Hoffmg. & Link = *Cistanche Phelypaea* (L.).
 8. *O. ramosa*, C. B. P. *Orobanche ramosa* L.
 9. *O. minor Virginiana lignosior per totum caulem floribus minoribus onusta.* J. Banister. Cited Sp. Pl. 633. *O. virginiana* L. = *Epifagus americanus* Nutt. = *E. virginianus* Bart.

- 503, 10. O. Virginiana flore ampliore pentapetalo cernuo, D. Banister. **Monotropa uniflora** L.
14. O. radice dentata altius radicata . . . Mentz. No specimen. Cited Sp. Pl. 606 for **Lathraea Squamaria** L.
15. O. seu Dentaria aphyllis purpurea cespite denso, Raii. No specimen. Cited Bot. Mag. 7106. **Lathraea Clandestina** L.
18. O. radice e fibris compacta major, flore obsoleto, nobis. Found by Bobart at Stokenchurch Oxon. **Neottia Nidus avis** Rich.
- Also a specimen from Dr. Richardson found where the *Calciolus Mariae* [Cypripedium Calceolus] grows about the beginning of July 1713. I have now and then found a single plant of it nigh my own house [Bierley, Yorks.].
19. O. radice compacta major flore violaceo, nobis. No specimen. 'In agro Hantoniensi prope Alton oppidum invenit D. Goodyer.' This is usually referred to *Limodorum abortivum* Sw., but Goodyer's plant (of which no specimen is known to exist) was probably *Helleborine purpurata* Druce.
- 504, 20. O. flore brevior duplici Verbasculi odore. Found by Bobart at Stokenchurch, but already recorded by Dr. Plot (Nat. Hist. Oxf. 1677); Bobart cannot be excused for ignoring Plot's records of this and other plants, although Bobart says he had noticed it for twenty-six years. **Hypopitys Monotropa** Crantz.
23. O. Virginiana radice coralloide summo caule foliis subrotundis. Drawing only. Cited Sp. Pl. 632. **Obolaria virginica** L.

CAPUT XXIV. **Pyrola.**

- P. 504, 1. **Pyrola rotundifolia** major, C. B. P. Cited Hort. Cliff. 162. **Pyrola rotundifolia** L. Mixed specimens including **P. minor** L.
- 505, 2. **P. rotundifolia** minor singulari flore ampliore, nobis. No specimen. Cited Sp. Pl. 397 for **P. uniflora** L. = **Moneses uniflora** A. Gray.
3. **P. rotundifolia** palustris nostras flore unico ampliore, nobis. Cited Hort. Cliff. 113. **Parnassia palustris** L.
6. **P. Alsines** flore Europea, C. B. P. et Prod. **Trientalis europaea** L.
- Cargill sent Caspar Bauhin a specimen from Scotland; this specimen probably came from Yorkshire.
8. **P. affinis** Virginiana repens fruticosa . . . D. Pluk. **Epigaea repens** L.

CAPUT XXV. **Ficoides.**

- P. 506**, 1. *Ficoides* sive *Ficus aizoides* Africana . . . D. Herman. No specimen. Cited Sp. Pl. ed. ii. 695 for *Mesembryanthemum edule* L. A bad drawing only.
- 507**, 3. *F. Africana minor erecta folio triangulari glauco, flore luteo*, Herman. Cited Sp. Pl. 486. *M. glaucum* L.
4. *F. Africana minor erecta triangulari folio viridi* . . . Herman. No specimen. Cited Sp. Pl. 485 for *M. bicolor* L.
5. *F. Africana minor procumbens folio tereti* . . . Herman. *M. violaceum* DC., teste N. E. Brown.
6. *F. Africana minor procumbens folio tenuiori viridi* . . . Hermannii. Cited Sp. Pl. 484. *M. tenuifolium* L.
7. *F. Africana erectior et fruticosior* . . . flore albo. *M. umbellatum* L., teste N. E. Brown.
8. *F. procumbens Neapolitana minor flore albo, nobis.* *M. geniculiflorum* L., teste N. E. Brown.
9. *F. minor Canariensis teretifolia, micis argenteis aspersa* . . . *M. micans* L., teste N. E. Brown.
- 508**, 13. *F. Africana major annua, . . . nobis.* *M. pomeridianum* L., teste N. E. Brown.

CAPUT XXVI. **Aristolochia.**

- P. 509**, 1. *Aristolochia rotunda* flore ex purpureo nigro, C. B. P. *Aristolochia rotunda* L.
3. *A. longa vera*, C. B. P. *A. longa* L.
5. *A. clematidis recta*, C. B. P. Cited Hort. Cliff. 432. *A. Clematidis* L.
7. *A. Mexicana folio acutiore, nobis.* No specimen. Cited Sp. Pl. ed. ii. 1362 for *A. anguicida* Jacq.
9. *A. clematidis Indica* . . . Hort. Mal. part. 8, p. 49. *A. indica* L.
- 510**, 10. *A. Madraspatana folio cordato longius producto.* *A. bracteata* Retz.
11. *A. longa foliis angustis auriculatis, nobis.* Cited Sp. Pl. ed. ii. 1363. *A. maurorum* L.
12. *A. polyrrhizos*, J. B. No specimen. Cited Hort. Cliff. 433. *A. Pistolochia* L.
13. *A. Mexicana* 3. *A. bracteata* Retz. teste W. B. Turrill.
14. *A. polyrrhizos Virginiana* . . . nobis. Cited Sp. Pl. 962. *A. Serpentaria* L.
15. *A. Violae fruticosae foliis Virginiana* . . . D. Pluk. ? *A. Serpentaria* L.
16. *Pistolochia Cretica*, C. B. P. Cited Sp. Pl. 961. *A. semper-virens* L.

CAPUT XXVII. **Asarum.**

- P. 511, 1. *Asarum vulgare rotundifolium*, nobis. *Asarum europaeum* L.
 2. *A. Canadense mucronato folio*, nobis. No specimen. Cited Sp. Pl. 442 (fig. 4) for *A. canadense* L.
 3. *A. Virginianum folio cordato Cyclaminis more maculato*, nobis. *The great Rattle Snake root of Virginia, a rare Cordiall, Mr. Willis* 1676. Cited Sp. Pl. 442. *A. virginicum* L.

CAPUT XXVIII. **Nymphaea.**

- P. 512, 1. *Nymphaea lutea major*, C. B. P. Leaf only. Cited DC. Syst. ii. 60. *Nymphaea lutea* L.
 2. *N. lutea minor flore fimbriato*, C. B. P. J. B. *Nymphoides peltatum* Kuntze.
 513, 3. *N. minima Indica flore flavo*, Hort. Mal. Part 11, p. 57. Leaves only. *Limnanthemum aurantiacum* Dalz. = *Nymphoides aurantiacum* (Dalz.) Kuntze.
 4. *N. alba major*, C. B. P. Cited DC. Syst. ii. 56. *Castalia alba* Wood.
 7. *N. Aegyptiaca alba folio crenato, radice tuberosa*, nobis. No specimen. Cited DC. l. c. p. 53. *Nymphaea Lotus* L. = *Castalia Lotus* Tratt.
 8. *N. Malabarica alba crenatis foliis . . . Ambel* Hort. Mal. Part. 11, p. 51. Cited DC. l. c. 52. *Nymphaea pubescens* Willd. = *C. Lotus* Tratt. var. *pubescens* (Blume).
 10. *N. flore minimo tripetalo albo*, nobis. Cited Hort. Cliff. 460. *Hydrocharis Morsus-ranae* L.

CAPUT XXIX. **Nymphaeae affinis.**

- 514, 2. *Nymphaeae affinis glandifera Virginiana . . . flore luteo pleno*. No specimen. Cited Sp. Pl. 511 for *Nymphaea Nelumbo* L. var. β = *Nelumbium speciosum* Willd.
 3. *N. . . Malabarica . . . flore amplo rosaceo albicante, Tamara*, Hort. Mal. Part. 11, p. 59. No specimen. Cited DC. Syst. ii. 45. *N. speciosum* Willd.

CAPUT XXX. **Nigella sive Melanthium.**

- P. 515, 1. *Nigella arvensis cornuta*, C. B. P. Cited Hort. Cliff. 215, and DC. Syst. i. 329. *Nigella arvensis* L., *testibus* Bucknall and White.
 2. *N. Cretica*, C. B. P. Cited DC. l. c. 331. *N. sativa* L. var. *cretica* DC.

4. *N. flore minore simplici candido*, C. B. P. Cited DC. l. c. 330. *N. sativa* L.
- 516, 5. *N. flore minore pleno et albo*, C. B. P. Cited DC. l. c. 331. *N. sativa* var. *citrina* DC.
6. *N. Cretica folio Foeniculi*, C. B. P. Cited Sp. Pl. 425 for *Garidella nigellastrum* L. = *Nigella Garidella* Spenn. = *N. Nigellastrum* Willk.
7. *N. Romana sativa floribus foliosis*, Park. Cited DC. l. c. 332. *N. damascena* L.
8. *N. Romana flore folioso pleno caeruleo, nobis*. *N. damascena* L.
9. *N. latifolia flore majore simplici caeruleo*, C. B. P. No specimen. Cited Sp. Pl. 534 (fig. 8) for *N. hispanica* L.
10. *N. Chalepensis lutea corniculis longioribus*. Sent by Mr. Huntington from Aleppo. Cited Sp. Pl. 534, and Ait. Hort. Kew. iii. 327. *N. orientalis* L.

CAPUT XXXI. **Gossipium herba sive Xylon.**

- P. 517, 1. *Gossipium herba semine albo, nobis*. Probably *Gossipium herbaceum* L.
3. *G. Indicum spinosum*, Park. Cited Hort. Cliff. 350. *G. herbaceum* L.

CAPUT XXXII. **Melianthus Africanus.**

- P. 517, 1. *Melianthus Africanus Pimpinellae foliis . . .* Cited Hort. Cliff. 493. *Melianthus major* L.
- 518, 2. *M. Africanus minor foliis viridantibus*. Leaves only. Cited Hort. Cliff. 493. *M. minor* L.

SECTIO XIII. DE PLANTIS BACCIFERIS.

Distributio Prima: Plantae Bacciferae Polyspermae.

CAPUT I. **Solanum polyoccon.**

- P. 520, 1. *Solanum vulgare*, Park. *Solanum nigrum* L.
2. *S. baccis rubris phoeniceisve, caulibus modice spinosis*. *S. miniatum* Bernh.
3. *S. annuum hirsutius baccis luteis*. *S. nigrum* L. var.
5. *S. vulgari simile Africanum . . .* Par. Bat. Prod. W. B. Turrill suggests cf. *S. nigrum* L. *forma*.
7. *S. pomiferum fructu rotundo molli*, C. B. P. Cited Hort. Cliff. 60. *S. Lycopersicon* L. = *Lycopersicum esculentum* Hill.
- 521, 11. *S. maxime tomentosum spinis . . .* D. Pluk. *S. verbascifolium* L.

13. *S. tomentosum* Canariense spinosum . . D. Pluk. Phyt. tab. 316, f. 3. *S. Vespertilio* Ait., teste W. B. Turrill.
14. *S. annuum* nigricans Virginianum . . . D. Pluk. l. c. 62, f. 3. *S. xanthocarpum* Schrad. & Wendl., *testibus* W. B. Turrill and Dr. Stapf.
15. *S. pomiferum* frutescens Africanum . . . Herm. Cited Sp. Pl. 188. *S. sodomaeum* L.
17. *S. Americanum* perenne subincanum . . . D. Pluk. *S. indicum* L., teste W. B. Turrill.
18. *S. incanum* Chinense . . . D. Pluk. *S. indicum* L., teste Dr. Stapf.
19. *S. tuberosum* 'esculentum, C. B. P. No specimen. Cited Hort. Cliff. 60. *S. tuberosum* L.
- 522, 21. *S. Americanum* Strychnodendro accedens . . . D. Pluk. Phyt. Cited Ait. Hort. Kew. i. 397. *S. diphyllum* L., teste W. B. Turrill.
22. *S. Virginianum* rubrum maximum . . . nobis. Cited Hort. Cliff. 177. *Phytolacca decandra* L.
23. *S. Barbadiense* racemosum minus . . . D. Pluk. Phyt. *Rivina humilis* L.

CAPUT II. *Solanum monocarpon fructu nudo.*

- P. 524, 1. *S. pomiferum* fructu oblongo, C. B. P. *Solanum Melongena* L.
3. *S. Indicum* fructu longissimo eduli . . . Bontii. W. B. Turrill suggests possibly *S. Melongena* L.
 6. *S. spinosum* fructu rotundo, C. B. P. *S. Melongena* L., (upper specimen only) teste W. B. Turrill.
 7. *S. Indicum* pomiferum fructu parvo rotundo corallinorubro. Leaves only. W. B. Turrill and Dr. Stapf suggest cf. *S. indicum* or *S. barbisetum* Nees.
- 525, 9. *S. spinosum* maxime tomentosum, Bocc. W. B. Turrill suggests possibly *S. Melongena* L.
11. *S. Barbadiense* spinosum . . . D. Pluk. Phyt. Leaf only: from *Badminton*, the Duchess of Beaufort's Garden. Cited Ait. Hort. Kew. i. 402. *S. mammosum* L.
 12. *S. pomiferum* Indicum . . . nobis. *S. ferox* L., teste W. B. Turrill.
 13. *S. spinosum* atrovirens . . . D. Pluk. Phyt. Leaf only. Cf. *S. barbisetum* Nees or *indicum* L., *testibus* W. B. Turrill and Dr. Stapf.
 14. *S. pomiferum* fructu rotundo striato duro, C. B. P. *S. aethiopicum* L.
 15. *S. fruticosum* bacciferum, C. B. P. *S. Pseudo-capsicum* L.

- 526, 16. *S. vesicarium vulgatius repens* . . . nobis. Cited Hort. Cliff. 526. *Physalis Alkekengi* L.
17. *S. vesicarium radice crassa Mexicanum* . . . Recchi, 203. No specimen. Cited by Dunal in DC. Prod. xiii. 440 for *P. peruviana* L.
20. *S. somniferum verticillatum*, C. B. P. *Physalis somnifera* L. = *Withania somnifera* Dun.
21. *S. vesicarium verticillatum* . . . Mexicanum, Recchi. *Withania somnifera* Dun., teste Dr. Stapf.
22. *S. vesicarium Indicum erectum folio leni, annuum, nobis.* Cited Hort. Cliff. 62. *Physalis angulata* L. Dunal (l. c.), p. 448, cites it for *P. Linkiana* Nees, which is treated as synonymous in Ind. Kew.
- 527, 24. *S. vesicarium Virginianum procumbens annuum* . . . nobis. No specimen. Cited Sp. Pl. 183. *P. pubescens* L.
25. *S. vesicarium Indicum minimum* . . . Hort. Lugd. Bat. No specimen. Cited Hort. Cliff. 62. *P. minima* L.
26. *S. vesicarium Currassavicum* . . . Par. Cited Sp. Pl. 182. *P. curassavica* L.
27. *S. vesicarium Americanum caule quadrangulo* . . . Recchi, 295. No specimen. *P. angulata* L., see DC. Prod. xiii. 449.

CAPUT III. *Solanum urens Capsicum dictum.*

- P. 528, 1. *Solanum urens Capsicum dictum* . . . C. B. P. *Capsicum annum* L.
- 529, 3. *Capsicum sive Piper Indicum oblongum minus* 3, Recchi. *C. frutescens* L.
4. *C. sive Piper Indicum siliqua longa gracili Corallii coloris,* Recchi. *Capsicum frutescens* L., teste W. B. Turrill.
13. *C. siliqua olivari,* C. B. P. *C. conicum* Mey. var. *orientale* Dunal, teste W. B. Turrill.
- 530, 32. *C. sive Piper Barbadiense fructu Berberidis acerrimo.* *Haw Pepper, Barbadoes.* *Solanum nodiflorum* Jacq., teste W. B. Turrill, but Bobart says the berries are red.

CAPUT IV. *Solanis affines.*

- P. 531, 1. *Mandragora fructu majore,* C. B. P. *Mandragora officinarum* L.
- 532, 2. *M. fructu rotundo minore, nobis.* Leaves only *M. officinarum* L. ? *M. microcarpa* Bert.
4. *Solano congener flore campanulato vulgatius latioribus foliis, nobis.* Cited Hort. Cliff. 57. *Atropa Belladonna* L.
6. *S. congener non ramosum tetraphyllum, nobis.* Cited Hort. Cliff. 153. *Paris quadrifolia* L.

7. *S. congener triphyllum Canadense*. Cited Bot. Mag. t. 1027. **Trillium erectum** L.
8. *S. congener triphyllum Virginianum flore atropurpureo . . .* Cat. D. Banister. **Trillium erectum** L.
- 533, 10. *S. congener monophyllum aut diphyllum Aconiti folio, flore albo*. Cited Hort. Cliff. 202. **Podophyllum peltatum** L. A long MS. description is attached.
11. *Coilophyllum Virginianum brevior folio, flore purpurascente, nobis*. Cited Sp. Pl. 510. **Sarracenia purpurea** L.
12. *C. Virginianum longior folio erecto, flore luteolo*. Cited Sp. Pl. 510. **S. flava** L.

Bacciferae Tripyrenae.

CAPUT V. **Ebulus sive Sambucus & Periclymenum.**

- P. 534, 1. *Ebulus sive Sambucus herbacea vulgaris repens, nobis*. **Sambucus Ebulus** L.
- 535, 2. *S. humilis sive Ebulus foliis laciniatis, C. B. P.* **S. Ebulus** L. f. *laciniata*.
4. *Periclymeno accedens planta monanthos nostras, nobis*. No specimen. **Cornus suecica** L.
 6. *P. accedens planta utriusque Indiae . . . nobis*. No specimen. Cited Sp. Pl. ed. ii. 245 for *Psychotria herbacea* Jacq. = *Geophila reniformis* D. Don = **G. herbacea** (Jacq.).
 7. *P. accedens planta Brasiliensis floribus congestis rubris*. No specimen. Cited Hort. Cliff. 319. **Lantana Camara** L.
 There is a sheet here labelled *Periclymenum zeylanicum herbaceum foliis variegatis diversicoloribus maculis ornatis P. B. P. Graptophyllum hortense* Nees, teste Dr. Stapf.
 8. *P. affinis planta Virginiana floribus ochroleucis*. Cited Hort. Cliff. 57. **Triosteum perfoliatum** L.

Bacciferae Polypyrenae.

CAPUT VI. **Polygonatum seu Sigillum Solomonis.**

- P. 537, 1. *Polygonatum latifolium vulgare, C. B. P.* Found by Bobart in Berks and Hants. **Polygonatum multiflorum** All.
2. *P. majus vulgari simile, J. B.* **P. multiflorum** All.
 4. *P. latifolium flore majore odore, C. B. P.* **P. officinale** All. = **P. odoratum** (Mill.) Druce.
 6. *P. latifolium Ellebori albi foliis, C. B. P.* **P. officinale** All. = **P. odoratum** Druce.
 7. *P. Virginianum erectum spicatum . . . fertile, nobis*. Cited Sp. Pl. 316 and Bot. Mag. t. 1043. *Convallaria stellata* L. = **Vagnera stellata** Morong.

8. *P. Virginianum* . . . flore stellato sterile, nobis. *Smilacina stellata* Desf. = *Vagnera stellata* Morong.
 Also a sheet, *P. racemosum Americanum ellebori albi foliis amplissimis Pluk. Tab. 311. n. 2.* *Smilacina racemosa* Desf. = *Vagnera racemosa* Morong.
11. *P. latifolium ramosum*, C. B. P. Cited Sp. Pl. 304. *Uvularia amplexifolia* L. = *Streptopus distortus* Michx. = *S. amplexifolius* DC.
- 538, 12. *P. ramosum flore luteo majus* Cornuti, Park. Cited Sp. Pl. 304. *Uvularia perfoliata* L.
13. *P. ramosum flore luteo minus*, Cornuti. *U. perfoliata* L.
14. *P. angustifolium non ramosum*, C. B. P. Cited Hort. Cliff. 125. *Convallaria verticillata* L. = *Polygonatum verticillatum* All.

CAPUT VII. **Lilium convallium & Monophyllum.**

- P. 539, 1. *Lilium convallium vulgo*, J. B. Cited Hort. Cliff. 124. *Convallaria majalis* L.
2. *L. convallium floribus rubentibus*, C. B. P. J. B. *C. majalis* L. forma rubra.
3. *L. convallium angustifolium.* From Westmoreland. *C. majalis* L.; a form with narrow leaves.
7. *L. convallium minus*, C. B. P. *Unifolium* Dod. Cited Hort. Cliff. 125. *Convallaria bifolia* L. = *Maianthemum bif.* = *Unifolium bifolium* O. Kuntze.

Bacciferae Sempervirentes.

CAPUT VIII. **Ruscus sive Bruscus, &c.**

- P. 540, 1. *Ruscus*, Matth. Found by Bobart in Oxon and Berks. *Ruscus aculeatus* L.
2. *Laurus Alexandrina folii medio ligula insidente, nobis.* *R. Hypoglossum* L.
- 541, 3. *L. Alexandrina fructu folio insidente*, C. B. P. *R. Hypophyllum* L.
 Also a sheet *L. Alexandrina latifolia floribus marginibus foliorum innascentibus.* *Semele androgyna* Kunth.

Bacciferae perennes foliis deciduis.

CAPUT IX. **Arum & Dracontium.**

- P. 543, 1. *Arum vulgare maculatum et non maculatum.* Cited Hort. Cliff. 434. *Arum maculatum* L.
3. *A. venis albis*, C. B. P. *A. italicum* Mill.

6. *A. Orientale majus Dracontii flore maculato*. Sent from Aleppo by the Rev. D. D. Huntington. *A. spectabile* Schott (merged into *A. Dioscoridis* Sibth. & Sm., in Ind. Kew.), *teste* N. E. Brown.
7. *Arum Orientale minus flore maculato*. *A. spectabile* Schott, *teste* N. E. Brown.
- 544, 10. *A. Aegyptiacum flore albo Moschum redolente*, Hort. Lugd. Bat. *Zantedeschia aethiopica* Spreng. = *Richardia africana* Kunth (I. K.), *teste* N. E. Brown.
15. *A. humile sive Arisarum latifolium majus*, C. B. P. Cited Hort. Cliff. 435. *Arum Arisarum* L. = *Arisarum vulgare* Targ. Toz.
17. *Arisarum Indicum cum pistillo rubro*, . . . Hort. Mal. Leaves only. *Alocasia* sp. From Fort St. George. This is not the plant figured in Hort. Malabar. Vol. xi. 33, fig. 16, as quoted by Morison, N. E. Brown.
- 545, 21. *A. angustifolium Dioscoridis forte* C. B. P. Cited Sp. Pl. 967. *Arum tenuifolium* L. = *Biarum tenuifolium* Schott.
23. *Dracunculus palustris radice arundinacea*, C. B. P. Cited Hort. Cliff. 436. *Calla palustris* L.
- 546, 31. *Arum maximum Aegyptiacum quod vulgo Colocasia*, C. B. P. Leaves only. Cited Hort. Cliff. 435. *Arum Colocasia* L. = *Colocasia antiquorum* Schott.
35. *A. palustre Malabaricum* . . . Hort. Mal. *Colocasia antiquorum* Schott. With it *Limnophyton obtusifolium* Miq., *teste* N. E. Brown.
- 547, 42. *A. triphyllum sive Serpentaria triphylla Brasiliana*, C. B. P. Leaf only. *Typhonium trilobatum* Schott. 'An Indian plant, not Brasil.' N. E. Brown. There is also a carbon impression of the same plant.
43. *A. triphyllum Virginianum*. . . . *Arisaema atrorubens* Blume, *teste* N. E. Brown.
44. *A. minus triphyllum Arisarum pene viridi Virginianum*. No specimen. Cited Sp. Pl. 965 (f. 43) for *Arum triphyllum* L. var. β , and Bot. Mag. t. 950 for *Arisaema zebrinum* Hort.
- 548, 46. *A. polyphyllum sive Dracunculus* . . . C. B. P. Cited Sp. Pl. 964. *Arum Dracunculus* L. = *Dracunculus vulgaris* Schott.
50. *A. sive Arisarum Virginianum* . . . D. Pluk. Leaf only. *Arisaema Dracontium* Schott, *teste* N. E. Brown.
51. *A. Malabaricum minus* . . . Hort. Mal. *A. atrorubens* Bl., 'but not an Indian plant,' N. E. Brown.
54. *A. polyphyllum Dracunculus* . . . Cat. Hort. Amst. Two sheets of specimens; the label of one specimen bears the name *Erva di St. Maria, Marckgraf*. *Amorphophallus* 2 species? *teste* N. E. Brown.

- 549, 57. *A. pentaphyllum* Indicum. No specimen. Cited Sp. Pl. 965 (fig. 27) for *A. pentaphyllum* L. = *Arisaema pentaphyllum* Schott.

Bacciferis Affines.

CAPUT X. **Cyclamen.**

- P. 551, 2. *Cyclamen vernum* minus orbiculato folio inferne rubente . . . nobis. **Cyclamen Coum** Mill., *testibus* W. B. Turrill and Dr. Stapf.
3. *C. Orientale* . . . Cornuti, cap. 21. 'Seems to be *C. persicum* Mill.; it agrees with neither description nor figure,' W. B. Turrill.
4. *C. oblonga* radice 10. C. B. P. 'Leaves *C. persicum* Mill.; flowers. *C. europaeum* L., W. B. Turrill and Dr. Stapf.
8. *C. radice* Castaneae magnitudinis 8. C. B. P. Leaf only. *C. europaeum* L. W. B. Turrill and Dr. Stapf.
- 552, 13. *C. orbiculato* folio inferne purpurascente 1. C. B. P. Leaves only. Cf. *C. europaeum* L. W. B. Turrill and Dr. Stapf.
17. *C. odoratum* aestivo solstitio florens . . . 5. C. B. P. Leaf only. '*C. persicum* Mill., but the description evidently refers to *C. europaeum*'. W. B. Turrill and Dr. Stapf.
24. *C. autumnale* folio angusto, Park. *C. neapolitanum* Ter., *testibus* W. B. Turrill and Dr. Stapf.

SECTIO XIV. DE PLANTIS CAPILLARIBUS EPIPHYLLOSPERMIS.

CAPUT I. **Lingua cervina sive Phyllitis.**

- P. 556, 1. *Lingua cervina* vulgaris, Clus. **Phyllitis Scolopendrium** Newman.
Also a sheet. *Young Harts tongue found in the well among Moss and Liverwort in the Bishops garden.*
- 557, 2. L. . . multifido folio, C. B. P. **P. Scolopendrium** Newman f. multifida.
6. L. . . maximo undulato folio auriculato per basin. **P. Scolopendrium** Newm.
7. L. . . major ex uno pediculo bifolia H. R. Par. **P. Scolopendrium** Newm.
8. L. *Phyllitis minor* crispa uno pediculo trifolia, H. R. Par. **P. Scolopendrium** Newm.
9. L. *cervina* medio folii obtusi nervo in aculeum desinente, H. R. Paris. Cited Sp. Pl. 1087. *Asplenium Scolopendrium* L. var. δ = **Phyllitis Scolopendrium** Newm.
11. L. . . angustifolia lucida folio serrato et fere crispo, H. R. Par. **P. Scolopendrium** Newm.

13. *P. minima* folio undulato, H. R. Par. *Scolopendrium vulgare* var. *crispum* (Willd.) = *P. Scolopendrium* Newm. var. *crispum*.
14. *P. saxatilis* Virginiana per summitates foliorum prolifera, J. Banisterii. Cited Sp. Pl. 1536. *Scolopendrium rhizophyllum* Hook. = *P. rhizophyllum* (L.).
- 558, 15. *P. Indica maxima* latissimis foliis planis Musae facie, nobis. No specimen. Cited Sp. Pl. 1079 for *Asplenium nidus* L.
19. *P. non sinuata* foliorum limbis leviter serratis, D. Sloane. *Polypodium* (Campyloneuron) *repens* L.
20. *Lingua cervina* foliis acutis & ad oras summitatum pulverulenta, C. Plum. No specimen. Cited Sp. Pl. 1073 for *Pteris lanceolata* L.
21. *Lingua cervina* longissimis & angustissimis foliis. C. Plum. No specimen. Cited Sp. Pl. 1073 for *P. lineata* L.
22. *Phyllitis minor* scandens foliis angustis, D. Sloane. *Polypodium* (Phymatodaei).
23. *P. minor* scandens salicinis foliis acuminatis viridibus. *Pothos scandens* L. An Aroid, not a fern.
- 559, 24. *Phyllitis scandens minima* Musci facie. No specimen. Cited Sp. Pl. 1097 for *Trichomanes membranacea*.
Phyllanthos Americana planta e singulis foliorum crenis flore proferens Par. Bat. Prod. 'A phyllode of the Euphorbiaceous *Phyllanthus* (Xylophylla),' J. G. Baker.
 A leaf-specimen from *Barbados*. *Polypodium* (Campyloneuron) *Phyllitidis* L.

CAPUT II. Hemionitis.

- P. 560, 4. *Hemionitis Jamaicensis* . . . nobis. *Asplenium Hemionitis* L.
5. *H. hirsuto* and *Magis dissecto* . . . D. Sloane. No specimen. Cited Sp. Pl. 1077 for *Hemionitis palmata* L.
- P. 561, 7. *H. maxima* quinquefolia, C. Plum. *Acrostichum* (Gymnopteris) *nicotianaefolium* Sw. = *Leptochilus nicotianifolius* Christensen, Index Filicum, teste J. G. Baker.

CAPUT III. Asplenium sive Ceterach.

1. *Asplenium sive Ceterach*, J. B. Cited Sp. Pl. 1080. *Asplenium Ceterach* L. = *Ceterach officinarum* DC.

CAPUT IV. Polypodium.

- P. 562, 1. *Polypodium vulgare*, C. B. P. *Polypodium vulgare* L.
 Also a sheet labelled *Polipody growing upon a Hasell-nut, is it a new sort, Badminton, Gloucestershire*.

- 563, 3. *P. Virginicense* minus foliis obtusioribus. No specimen. Cited Sp. Pl. 1085 for *P. virginianum* L. = *P. vulgare* L. Christensen, Index Filicum.
4. *P. Virginianum* vulgari simile pinnulis serratis. *P. vulgare* L.
5. *P. minus* *Virginianum* foliis brevioribus subtus argenteis, nobis. Cited Sp. Pl. 1068 for *Acrostichum polypodioides* L., and on p. 1070 for *platyneuros* L. The specimen is named by Mr. Baker *Polypodium incanum* Sw. = *P. polypodioides* Hitch. (Christ. l. c.).
6. *P. Virginianum* tenerius et minus foliis minutim serratis. *P. vulgare* L.
7. *P. Americanum* medium foliis variis . . . nobis. *P. cultratum* Willd.
8. *P. Cambrobritannicum*. Cited Sp. Pl. 1087. *P. cambricum* L. = *P. vulgare* L. var. *cambricum* L., Baker.
10. *P. Virginianum* majus *Osmundae* facie tenerius, nobis. Cited Sp. Pl. 1062 for *Oncoclea sensibilis* L.; but Mr. Baker names the specimens *Woodwardia areolata* Moore.
11. *P. Jamaicense* majus et elatius . . . nobis. Cited Sp. Pl. 1087. *Polypodium aureum* L.
- 564, 15. *P. exoticum* folio *Quercus* C. B. P. No specimen. Cited Sp. Pl. 1087 for *P. quercifolium* L. = *Drynaria quercifolia* J. Sm.

CAPUT V. *Lonchitis*.

- P. 566, 1.** *Lonchitis aspera* major, Matth. Cited Sp. Pl. 1088.

Also a specimen from Dr. Richardson with a long note about it. He gives as another locality to those mentioned by Mr. Lhwyd, *On the rocks as you ascend from Llanberris to Phainon Vellon*. *Polypodium Lonchitis* L. = *Polystichum Lonchitis* Roth.

2. *L. pinnulis angustioribus leviter denticulatis* . . D. Sloane, 16. *Aspidium mucronatum* Sw. teste J. G. Baker; Christensen makes it synonymous with *Polystichum echinatum* (Gmel.).
3. *L. aspera Zeylanica* . . . nobis. *A. acrostichoides* Sw., teste J. G. Baker = *Polystichum acrostichoides* Schott (Christ.).
4. *L. Jamaicensis* glabra pinnulis alternis . . . *Aspidium Lonchitis* Sw. = *Polystichum Lonchitis* Roth.

Also a sheet *Filix ramosa minor pinnulis dentatis* C. B. P. *D. Lloyd on Snowdon*. *A. lobatum* Sw. = *P. lobatum* Presl.

Also a sheet *Lonchitis Jamaicensis pinnulis latiusculis*, &c. = *A. mucronatum* Sw. = *P. echinatum* Christensen l. c., teste J. G. Baker.

567, 7. *L. aspera* major exotica . . . nobis. *A. triangularum* Sw. teste J. G. Baker, = *P. triangulum* Fée.

Also a sheet which is not identified, ex *Horto Chelsiano*.

9. *L. Virginiana* minor . . . nobis. *Asplenium ebeneum* Ait., teste J. G. Baker = *A. platyneuron* Oakes (Christensen, l. c.).

13. *L. tenuifolia* parva Jamaicensis . . . nobis. *Nephrodium sanctum* Baker = *Dryopteris sancta* Kuntze.

568, 15. *L. scandens* Brasiliana. No specimen. Cited Sp. Pl. 1063 for *Ophioglossum scandens* L. = *Lygodium scandens* Sw.

16. *L. juxta* nervum pulverulenta, C. Plum. Cited Sp. Pl. ed. ii. 1534. *Blechnum occidentale* L.

17. *L. Americana* glabra. No specimen. Cited Sp. Pl. ed. ii. 1532 for *Pteris longifolia* L.

21. *L. minor* pinnulis angustis crebris tenuibus atrovirentibus, D. Sloane. *Polypodium pectinatum* L.

569, 23. *L. vulgatio* folio vario, nobis. *Blechnum* Spicant With.

24. *L. major* Virginiana folio vario, alis Polypodii in modum conjunctis. *Woodwardia areolata* Moore.

Also another sheet *Asplenium angustifolium* Michx., teste J. G. Baker, = *Athyrium angustifolium* Milde.

26. *L. minor* Africana . . . *Blechnum occidentale* L.

The following sheets are not mentioned in the *Historia* :

Filix Jamaicensis non ramosa trifoliata angustifol. pediculo laevi . . . D. Sloane 18. *Blechnum australe* L.

Filix Malaccensis pinnis longissimis integris nervo medio pulverulento, Mus. nost. 543. Iacob. Petirer. Blechnum orientale L.

CAPUT VI. *Filix non ramosa alis integris.*

P. 571, 1. *Filix Americana* maxima aurea non ramosa alis integris alternis planis, nobis. Cited Hort. Cliff. 474. *Acrostichum aureum* L.

2. *F. Americana* maxima . . . In Insula Dominica. Cited Sp. Pl. 1074. *Pteris grandifolia* L.

5. *F. Americana* major non ramosa alis integris amplis profundius crenatis . . . nobis. *Nephrodium* (*Lagenia*) *macrophyllum* Baker = *Aspidium martinicense* Spr. (Christensen, l. c.).

9. *F. scandens* Jamaicensis pinnatis Fraxini foliis, nobis. *Acrostichum sorbifolium* L. J. G. B. = *Stenochlaena sorbifolia* J. Sm. (Christensen, l. c.).

572, 14. *F. Jamaicensis non ramosa trifoliata angustifolia caule laevi.* Cited Sp. Pl. 1070. *Acrostichum trifoliatum* L. *Gymnogramma trifoliata* Desv. = *Trismeria trifoliata* Fée.

15. *F. minor* ruffa lanugine tota obducta . . . D. Sloane Cat. Jam. p. 19. *Gymnogramma tomentosa* Desv.

16. *F. Cretica minor non ramosa* . . . nobis. *Pteris cretica* L.
 23. *F. minor non ramosa Jamaicensis* . . . *Asplenium falcatum*
 Lam., teste J. G. Baker, = *A. adiantoides* (L.) Christen.
 573, 25. *Chamaeflix marina Anglica, Park.* Cited Sp. Pl. 1081.
Asplenium marinum L.

A second sheet is marked *ex Insulis Balearibus*.

26. *C. Jamaicensis Trichomanoides* . . . nobis. *A. dentatum* L.
 28. *F. Alpina Pedicularis rubrae foliis subtus villosis*, D. Raii.
On the highest rock of Snowdon in moist places. D. Lloyd.
Woodsia hyperborea Br. = *W. alpina* S. F. Gray.

The following specimens are not mentioned in the *Historia*.

Chamaeflix minor maritima tenerior Barbadiensis. *On rocks in Barbadoes, J. Rhede.* *Asplenium viride* Huds.

Filix Javanica pinnis angustissimis subtus divisis, Mus. nost.
 404. *Pteris semipinnata* L.

F. minor e Terra Mariana foliis tenuibus inferioribus trifidis.
 D. Vernon. *Pellaea atropurpurea* Link.

F. Emuyaea pinnis singulis integris & divisis, &c., Mus. nost.
 403. *Ab Emuy (Amoy), Petiver.* *Pteris semipinnata* L.

- 573, MS. *F. major Emuyaea pinnulis Polypodii falcatis* . . . *Mus. Pet.*
 402. *Woodwardia radicans* (L.) Sm., teste J. G. Baker.

CAPUT VII. *Filix non ramosa alis non usque ad nervum divisis.*

- P. 574, 3. *F. pinnulis Lonchitidis obtusis et ad oras pulverulentis,*
C. Plum. 10, fig. 14. 'E Jamaica.' *Pteris Litobrochia*
 Baker.

Another sheet is P. (*Litobrochia*) *Kunzeana* Ag.

- 575, 7. *F. non ramosa Jamaicensis elatior alis crebris longissimis
 angustissimis dentatis. 'Inter rariora D. D. Sherardi
 adservatur.'* *Nephrodium serra* Desv. = *Dryopteris serra*
 (Sw.) O. Kuntze.

Also a sheet *An. Lonchitis ramosa tenuis pediculis spinosis,*
C. Plum. edit. 2, Tab. 54? *Adiantum cristatum* L., teste
 J. G. Baker.

8. *F. non ramosa major surculis raris* . . . D. Sloane, 19. *Poly-
 podium tetragonum* Sw. = *Dryopteris tetragona* Urb.

Also another sheet with a withered specimen. *From
 Jamaica. It turns purplish when withering.*

17. *Filix minor Britannica pediculo pallidiore.* Cited Sp. Pl.
 1089. *Polypodium Phegopteris* L. = *Phegopteris polypo-
 dioides* Fée.

Also a specimen from Dr. Richardson.

Also a sheet *Filix major é Terra Mariana non ramosa* . . .
Osmunda Claytoniana L.

576, 22. *F. minor* Iluensis non ramosa alis *Asplenii*. At *Husvae* in *Nantfranco*, *Snowdon*.

Young shade-grown specimens which Mr. C. H. Wright thinks may be *Asplenium lanceolatum* Huds.

23. *Filicula Alpina* tenerior alis *latiusculus brevioribus integris profunde dentatis*. No specimen. Cited Sp. Pl. 1071 for *Acrostichum ilvense* L. = *Woodsia ilvensis* Br.

24. *Filix minor Jamaicensis* pediculis villosis, alis amplioribus oppositis quercinis, nobis. *Nephrodium (Lagenia) cicutarium* var., teste J. G. Baker.

25. *F. Jamaicensis hirsuta* Sorbi *Aucupariae* folio quodammodo referens. No specimen. Cited Sp. Pl. 1069 for *Acrostichum sorbifolium* L.

26. *F. Jamaicensis rachi folioso* . . . D. Pluk. *Nephrodium (Lagenia) cicutarium* Baker = *Aspidium cicutarium* Sw. (Christensen, Ind. Fil.).

577, MS. *F. Jamaicensis rachi medio hirsuto, alis alternis* . . . *Aspidium angulare* Sw.

CAPUT VIII. **Filix non ramosa pinnulis ad nervum usque divisis.**

P. 578, MS. *F. minor non ramosa Adiantho congener pinnulis cristatis. Asplenium aculeatum* Lam., teste J. G. Baker.

1. *Filix arborescens* pinnulis dentatis, Car. *Aspidium ascendens* Sw., teste J. G. Baker.

MS. *F. villosa minor pinnulis profunde dentatis. C. Plum. Tab. 24, H. Reg. Hampt. (Garden of Hampton Court). Aspidium* sp. ?

6. *F. non ramosa dentata*, C. B. P. Cited Hort. Cliff. 475. *Nephrodium Filix-mas* Rich. = *Dryopteris Filix-mas* Schott.

Also a sheet forte *Filix mas non ramosa pinnulis latis densis minutim dentatis, Ger. Emac. 1129. Nephrodium dilatatum* Desv., teste J. G. Baker = *Dryopteris aristata* (Vill.) Druce.

579, 7. *F. mollis* sive *glabra* *Vulgari mari non ramosae accedens*, J. B. *Nephrodium Filix mas*. Rich. var. affine Baker = *Dryopteris Filix mas* Schott, var. *affinis* Newm.

8. *Filix mas non ramosa pinnulis angustis raris profunde dentatis*, Ger. Emac. Cited Sp. Pl. 1090. *Polypodium Filix foemina* L. = *Athyrium Filix foemina* Roth.

10. *F. baccifera*, Cornuti. No specimen. Cited Sp. Pl. 1091 for *Polypodium bulbiferum* L. = *Cystopteris bulbifera* Bernh.

11. F. non ramosa major pinnulis latiusculis . . . nobis. Cited Sp. Pl. 1090, P. cristatum L. The specimen is *Lastrea dilatata* Presl = **Dryopteris aristata** (Vill.) Druce.

Also a sheet from Dr. Richardson, *An Filix montana ramosa minor argute denticulata? R. S. M. : this is either the plant, or else what Mr. Lhwyd met with was a seedling of Filix mas ramosa pinnulis dentatis Ger. Lastrea dilatata var. alpina* Moore, teste J. G. Baker (*Dryopteris*).

12. F. ad ramosam accedens palustris, muscosa lanugine aspersa. pinnulis acutioribus, nobis. 'Non solum circa Oxoniam, sed et aliis . . . comitatibus Angliae provenit.' L. dilatata Presl = **Dryopteris aristata** (Vill.) Druce.

14. F. Africana humilis spinosa . . . D. Pluk. *Aspidium aculeatum* Sw., teste J. G. Baker = **Polystichum aculeatum** Roth. ?

- 580, 15. F. mas pinnulis latis auriculatis spinosis, Ger. A. aculeatum Sw. = **Polystichum aculeatum** Roth.

16. F. aculeata major pinnulis auriculatis crebrioribus . . . Raii Synops. 'Circa Brantream *Essexiae* invenit Raius' doubtless from S. Dale; a specimen with his writing is unlocalized. *Aspidium angulare* Sw. = **Polystichum angulare** Presl.

17. F. non ramosa minor sylvatica repens, nobis. *Lastrea* (*Nephrodium*) *Oreopteris* = **Dryopteris montana** Kuntze. Another sheet is **D. Thelypteris**. Both are labelled by Bobart.

The locality given is 'Murley Wood' (i. e. near Wytham, Berks.) near Oxford. I once saw *D. montana* there; but the locality is one in which *Thelypteris* might have grown; and it may yet be found. Prior to Dillenius, British botanists did not distinguish the two species.

19. F. aculeata *Lonchitidis aemula nostras*, D. Lhwyd. **Polystichum aculeatum** Roth. var. **lobatum** (Presl).

21. F. *Staffordiensis elegans foliorum apicibus multiscissis*, D. Pluk. On the label Dr. Richardson wrote—*I had it from Sir Thos. Willoughby without name, it was gathered upon Lichfield Minster. Athyrium Filix-foemina* Roth. var. **cristata**.

- 581, 23. F. *Americana non ramosa* . . . D. Pluk. Alm. p. 150. A fragment and a drawing. **Athyrium Filix-foemina** Roth. var. **Kalothrix**.

Bobart says with reference to this:—Hanc D. D. Sherard ad reditum suum ex Hibernia, pro solita humanitate, mihi monstravit, & quantum memini, se inibi collegisse confirmavit, quanquam nomen a cl. Plukenetio inditum longe aliud suadere videatur.

Sherard's plant, which Bobart labels *Hist. Ox. n. 23, ex Hibernia, Filix minor non ramos. fol. capillacea tenuitate*

divisis, was gathered from the mountains of Mourne in ye Co. of Down, D. Sher.

Also a sheet *F. minor longifolia tarsis raris . . . D. Sher. R. Syn. 51* [ed. ii]. *E Terra Mariana. A. Filix-foemina Roth.*

24. *F. minor Jamaicensis alis obtusis . . . nobis. Asplenium cicutarium Sw., teste J. G. Baker, = A. cristatum Lam. (Christensen, Ind. Fil.).*
25. *F. elegans Adianto nigro accedens, segmentis rotundioribus, Raii Syn. Asplenium Adiantum-nigrum L. This explains the curious record in Sm. Eng. Fl. iv. 311 of A. lanceolatum Huds. from the unlikely locality given in the Historia:— Dein in Porticu Ecclesiae Adderburyensis Com. Oxon. qua septentrionem spectat, reperta est.*
27. *Filicula Alpina crispa, C. B. P. Cheilanthes species, teste J. G. Baker.*
28. *F. saxatilis non ramosa nigris maculis punctata, C. B. P., Cystopteris fragilis Bernh.*
29. *F. saxatilis caule tenui fragili, Raii Syn. Specimens from Dr. Richardson. This is a very frequent plant at the foot of Stockdale and Giggleswicke Scars nigh Settle (Yorks), nor less frequent in the like places of Westmerland, not far from Kendale; also from Trigvulchy rocks and Snowden, Carnarvonshire. Cystopteris fragilis Bernh.*
30. *F. saxatilis non ramosa minima, Raii. D. Lhwyd. Asplenium fontanum Bernh.*
31. *Filicula Cambrobritannica pinnulis Cicutariae divisura donatis. From Clogwyn du yn yr Ardhu, Snowdon D. Lloyd. First record for Carnarvonshire. Cystopteris fragilis Bernh.*

Also a sheet of seedling ferns, one being *A. Ruta-muraria L.*

CAPUT IX. **Filix ramosa.**

- P. 583, 1.** *Filix arborescens caudice spinosa ramosa . . . nobis. Drawing only. Woodwardia radicans Sm.*
4. *F. foemina seu ramosa . . . D. Sloane. Cited Sp. Pl. 1076. Pteris caudata L. = P. aquilina L.*
 7. *F. Africana pinnis Lonchitidis parvis, D. Herman. Pteris (monstrous), probably quadriaurita Retz, teste J. G. Baker.*
- 584, 11.** *F. Alpina Myrrhidis facie Cambrobritannica, D. Lhwyd. Mr. Baker names it Nephrodium dilatatum Desv., Mr. Bennett thought it to be the var. dumetorum Moore, = Dryopteris aristata Druce var.*

Also a sheet marked, by Dr. Richardson, *A species of Filix mas, different from ye Common one; Upon ye great*

Rocks about Tunbridge Wells. *Lastrea dilatata* Pr., teste J. G. Baker = *Dryopteris aristata* (Vill.) Druce.

14. F. *Jamaicensis ramosa* *Adianti nigri pinnulis angustioribus.* *Nephrodium effusum* Baker = *D. effusa* Wib. (Christensen).
15. F. *Jamaicensis Fumariae foliis, pediculis et rachi medio aculeatis,* D. Pluk. Not identified.
16. F. *Canariensis humilior ramosissima . . . nobis.* *Davallia canariensis* Sm.
18. F. *ramosa sive foemina minor nostras, nobis.* *Pteris aquilina* L.
- 585, 19. F. *saxatilis ramosa nigris maculis punctata,* C. B. P. *Polypodium Dryopteris* L. = *Phegopteris Dryopteris* Fée.
22. *Filicula petraea Rutae facie, nobis.* *Asplenium Ruta-muraria* L.
- MS. *An Ruta Muraria clematidis vario folio,* C. Plum. ed. 2, tab. 92? One specimen, *Lygodium scandens* Sw.; the other *Adiantum lunulatum* Burm.
23. *Filicula corniculata. In Septo Regio Edinensi provenit.* *Asplenium septentrionale* G. F. Hoffm.; a plant of *Ruta muraria* is mixed with it.
24. *Adiantum novum Germanicum Rutae murariae facie,* Breyn. Cent. i. Not *A. germanicum*, but *A. Ruta-muraria* L., teste J. G. Baker.
- Also a sheet *A. album fol. Filicis* J. B. 733; *Filicula fontana major sive adiantum album Filicis folio* C. B. P. 7. *A. Adiantum-nigrum* L. var. *obtusum* (Kit.).
26. *Filicula sive Adiantum foliis inferioribus Coriandri . . . Schol. Bot. Par. Anogramma leptophylla Link = Gymnogramma leptophylla* Desv.
- 586, MS. *Adiantum elatius Jamaicense pinnulis triangularibus,* Mus. nost. 756. *E Collect. Filic. Rar. Americ. J. Petiver.* *Adiantum cristatum* L.
- Also a sheet marked *Adiant. alb. tenuifol. Rutae murariae accedens,* J. B. *Filicula fontana* H. Pat. *Asplenium Adiantum-nigrum* L. var. *acutum* teste J. G. Baker.

CAPUT X. *Adiantum nigrum ramosum.*

- P. 587, 1. *Adiantum Jamaicense Lonchitidis falcatis . . . D. Pluk.* *Adiantum pulverulentum* L.
- Also a sheet *A. tetraphyllum* H. B. K.
2. *A. nigrum ramosum pulverulentum . . . C. Plum.* *A. pulverulentum* L.
5. *A. ramosum foliis trapezii dentatis,* C. Plum. *A. trapezi-forme* L.

6. *A. foliis Coriandri*, C. B. P. **A. Capillus-veneris** L.
A drawing of a frond by *D. Gul. Williams* of a specimen marked *D. Lhwyd invenit*, is included.
8. *A. . . . Aethiopicum pinnulis amplis subtrotundis . . . D. Pluk. ex Aleppo.* **A. Capillus-veneris** L.
- 588, 9. *A. fruticosum Chalepense . . . A. Capillus-veneris L.*
10. *A. fruticosum Coriandri folio jamaicense . . . D. Pluk. Alm. 10, tab. 254.* **A. tenerum** Sw.
11. *A. Bermudense . . . D. Pluk. alm. n. 10, 7. 124.* **A. tenerum** Sw.
12. *A. Americanum . . . D. Pluk. l. c. Cited Sp. Pl. 1095.* **A. pedatum** L.
Also a sheet, *Adiantum fruticos. Brasilianum* C. B. *Adiant. Amer. Cornuti*, which is the same species.
13. *A. Chinense . . . D. Pluk. 11. t. 4.* **A. aethiopicum** L.
Also a sheet *Capillaris chinensis pinnulis rotundioribus mus. nost. 757; gathered at Emuy by Mr. Keir and Barklay, Surgeons, J. Petiver.* **A. flabellulatum** L.
14. *A. Barbadiense . . . Pluk. Alm. 11. t. 125.* **A. tetraphyllum** H. B. K.
16. *A. nigrum officinarum.* **Asplenium Adiantum-nigrum** L.
17. *A. Narbonense . . . Pluk. t. 124.* **Asplenium Adiantum-nigrum** L. var. **acutum** Poll.
18. *Adiantum nigrum Chinense . . . D. Pluk. Alm. 10. t. 4. Gathered on Emuy by Mr. James Cunninghame. Davallia tenuifolia Sw., teste J. G. Baker = Odontosoria chinensis J. Sm., teste Christensen, Ind. Fil.*
- 589, 21. *A. Jamaicense . . . Trichomanes radicans* Sw.
22. *A. Americanum . . . Breyn. Cent. Gymnogramma calamelanos Kaulf. = Ceropteris calomelanos* Und., teste Christensen, Ind. Fil.
Another specimen is labelled, *A ferne wch grows on dry ground in Barbadoes.*
Another sheet is *Adiantum nigrum lanuginosum Chinense Mus. nost. 30. Brought from Emuy to J. Petiver. Notholaena lanuginosa* Desv.

CAPUT XI. **Adiantum nigrum non ramosum.**

- P. 590, 2. *A. Jamaicense Lonchitidis . . . D. Pluk. Alm. x. t. 252.* **Adiantum obliquum** Willd.
MS. *A. nigrum non ramosum, sive Trichomanes Madraspatense. E Collect. Jacob Petiver.* **A. caudatum** L.
3. *Trichomanes majus nigrum . . . D. Sloane p. 17.* **A. macrophyllum** Sw.
8. *Adiantum Bermudense minus . . . nobis.* **Asplenium monanthes** L.

- P. 591, 9. *Trichomanes Americanum radiatum*, nobis. Cited Sp. Pl. 1094. *Adiantum radiatum* L. = *Cheilanthes radiata* Br.
10. *T.* sive *Polytrichum officinarum*, C. B. P. No specimen. Cited Hort. Cliff. 474. *Asplenium Trichomanes* L.
11. *T.* minus bifurcato pediculo . . . nobis. **A. Trichomanes** L.
Also a sheet, *T. caule viridi foliis serratis*, Mentz. *Pugil.*
A. viride Huds.
12. *T.* minus alis oblongis et acutis profunde laciniatis.
A. Trichomanes L. var. **incisum**.
Also a sheet of specimens: one Found by Mr. Dyer commonly growing in ye S. West Devonshire towards the sea on old walls, is **A. lanceolatum** Huds., *testibus* Bucknall and White; another, labelled *Adiant. marit. segmentis rotundioribus*, H. Schola. Paris? found by Mr. Tabor in Sussex, is **A. Adiantum nigrum** L., teste J. G. Baker.
13. *Trichomanes minus alis foliorum triangularibus integris dentatis.* **A. Trichomanes** L. var. **incisum**.

CAPUT XII. *Adiantum-foliis integris.*

- P. 592, 1. *Adiantum monophyllum* . . . nobis. **A. reniforme** L.
2. *A. monophyllum Americanum* . . . nobis. No specimen. Cited Sp. Pl. 1075 for *Pteris pedata* L. = *Dryopteris pedata* Fée.
3. *A.* . . . *Antegoanum* . . . nobis. No specimen. Cited Sp. Pl. l. c. for **P. pedata** L. var. β .
Also a sheet, *Adiantum Pectinatum e Cap. Bonae Spei, Mus. Nost. 743. e Collect. Filicum Rar. African. Petiver. Schizaea pectinata* Sm., teste J. G. Baker.

CAPUT XIII. *Filix botrytisis.*

- P. 593, 1. *Filix botrytisis sive florida* . . . nobis. Cited Sp. Pl. 1066. **Osmunda regalis** L. var. β .
Also a sheet, *Osmunda, plantae pullulantes.*
2. *F. botrytisis* . . . *Virginiana* . . . nobis. **O. regalis** L.
3. *F. botrytisis Virginiana major* per totam caulis longitudinem florescens. **O. cinnamomea** L.
4. *F.* . . . *minima sive Filicula petraea* . . . nobis. Cited Sp. Pl. 1067. *Osmunda crispa* L. = **Cryptogramma crispa** Br.
Here is a specimen from Dr. Richardson, *Adiantum alpinum crispum album Schwenk.* Mr. Ray first discovered this plant in Orton Parish in Westmorland where I have also seen it in plenty. As you ascend Wilva fro Phynon Vrech [Carnarvon] above the said fountain there is vast quantities of it for nigh $\frac{1}{2}$ a mile in length growing out of the loose stones. I have lately discovered it to be a native of Yorkshire (viz.) in a place called the Knotty Lane nigh the delfe in Sadleworth township nigh the boarders of Lancashire. **C. crispa** Br.

CAPUT XIV. **Lunaria Botrytis.**

- P. 594, 1. *Lunaria racemosa minor et vulgaris*, C. B. P. Cited Hort. Cliff. 472, n. 1; *Osmunda Lunaria* L. = *Botrychium Lunaria* Sw.
3. *L. racemosa minor Matricariae folio* Breyn. **B. ternatum** Sw.
- 595, 5. *L. botrytis Virginiana* . . . **B. virginianum** Sw.
One sheet is marked *e Terra Mariana, D. Vernon.*
6. *L. elatior Adianti folio, duplici spica* D. Sloane p. 14. Cited Sp. Pl. 1065. *Osmunda adiantifolia* L. = **Aneimia adiantifolia** Sw.
7. *L. elatior Matricariae folio* . . . D. Sloane, p. 14. No specimen. Cited Sp. Pl. 1065 for *Osmunda hirsuta* L. = **Aneimia hirsuta** Sw.
8. *L. elatior Americana, hirsuta* . . . nobis. No specimen. Cited Sp. Pl. 1064 for *O. hirta* L. = **Aneimia hirta** Sw.

CAPUT XV. **Ophioglossum.**

- P. 595, . *Ophioglossum vulgatum*, C. B. P. **O. vulgatum** L.
Also a sheet, *Ophioglossum minimum* = **O. lusitanicum** L.

The following specimens are not mentioned in the *Historia* :—

- Acrostichon Madraspatanum fol. lacin.* Mus. Petiv. n. 741; **Ceratopteris thalictroides** Brong.
- Filix saxatilis caule tenui fragili.* The name suggests *Cystopteris fragilis* Bernh. (see 581, 29). This is a small mountain form of *Athyrium Filix-foemina*, Roth.
- An Filix non ramosa latius dentata minor, Plumier Tab. 173; vel major t. 16.* Sent from Fort St. George by the name of *Moocurrundy Cheddy.* **Eunephrodium** sp., teste J. G. Baker.
- F. Paganensis non ramosa alis amplioribus rotundis non crenatis.* A Fern from Pegu. (D. Dubois.) **Pteris quadriaurita** Retz., teste J. G. Baker.
- F. pyramidalis Chinensis, Mus. nost. 54. Iac. Petiver ablat. ab Emuy.* *Nephrodium molle*, teste J. G. Baker = **Dryopteris parasitica** Kuntze.
- F. foemina apud Cap. Bonae Spei Collect. Cp. Jacob Cunninghame, Petiver.* Also a sheet, *E Virginia, semina hujus fere ad margines foliorum longitudinaliter sita sunt.* Both are **Pteris caudata** L., teste J. G. Baker.
- F. Clematidis Indica pinnulis non dentatis.* *Tsferu-Valli-Panna.* Hort. Mal. t. 12, tab. 32, p. 67. Also a second sheet marked *Filix ex India Orientali.* **Lygodium scandens** Sw., teste J. G. Baker.

F. palustris seu aquatica. Lastraea Thelypteris Bory =
Dryopteris Thelypteris A. Gray.

Subularia lacustris seu Calamistrum herba aquatica Alpina, R.
Synops. Aizoides fusiforme Alpinorum lacuum, D. Lloyd.
Isaetes lacustris L.

SECTIO XV. DE PLANTIS HETEROCLITIS SIVE ANOMALIS.

Distributio Prima: De Plantis quibus sub uno flore mono-
petalo, unicum vasculum unicumque succedit semen.

CAPUT I. **Mirabile Peruvianum.**

P. 599. Mirabile Peruvianum Ger. **Mirabilis Jalapa** L.

CAPUT II. **Plumbago sive Dentillaria.**

P. 599, 1. Plumbago Plinii, Ger. Fragment. **Plumbago euro-
paea** L.

2. P. Americana viticulis longioribus sempervirentibus ex Vera
Cruce, Hort. Reg. Hampt. **P. scandens** L.

CAPUT III.

P. 599. Dentariae facie planta monopetalos fructu rotundo mono-
pyreno, nobis. **Hydrophyllum virginianum** L.

CAPUT IV. **Limonium.**

P. 600, 1. **Limonium Maritimum majus**, C. B. P. Mixed specimens,
the leaves being **Limonium vulgare** Mill., the spike
L. binervosum C. E. Salmon.

2. **L. maritimum medium Anglicum**, Park. Mixed specimens:
one **L. binervosum** C. E. Salm.; another **L. vulgare**
Mill.; a third leaf Mr. Salmon thinks may belong to
Statice Dodartii Gir. = **L. Dodartii** (Gir.) Kuntze.

3. **L. minus maritimum Oleae folio**, C. B. P. **L. Dodartii** (Gir.);
another plant is **L. humile** Mill. var. **nanum** C. E. S.

4. **L. parvum Bellidis minoris folio**, C. B. P. 'Statice virgata
Willd., I believe,' C. E. S. **L. virgatum** Fourr.

5. **L. maritimum minimum**, C. B. P. **Statice minuta** L. var.
microphylla Boiss. = **L. minutum** (L.) Fourr. var. **micro-
phyllum** (Boiss.).

On another sheet is a specimen of **L. pubescens** (DC.).

8. **L. reticulatum supinum** Bocc. 83. Bucknall and White
suggest comparing it with **Statice virgata** Willd. var.
remotispicula Lac. **L. virgatum** Fourr.

13. *L. Minus* annum Bullatis foliis vel Echioides, Magnol.
L. echioides (L.) Mill., teste C. E. S.
 Also *L. Balearic*, *bellidis minoris folio fruticosum*, *Salvadora*. *Statice Gougetiana* Gir., testibus W. B. Turrill and Dr. Stapf = **L. Gougetianum** (Gir.) Kuntze.
15. *L. Lusitanicum* Auriculæ Ursi folio, Tourn. **L. ovalifolium** (Poir).
16. *L. lignosum* Siculum Gallas ferens Bocc. 33. **L. minutum** Fourr.
18. *L. Arboreum* Hispanicum . . . Tourn. *E. Lusit. Tournef.*
Limoniastrum monopetalum Boiss., teste C. E. S.
23. *L. ferulaceo* folio, Grisley. Cited Sp. Pl. 396n. **Limonium ferulaceum** (L.) Kuntze.
 Another sheet is *L. ferulaceo folio viridar. Lusit.* *L. bellidifolium* Dum. = **L. reticulatum** Mill.
24. *L. minus* densa caulium foeniculacea veluti coma, Lel. Triumf.
L. ferulaceum (L.) Kuntze.
 Also *L. bellidifolium* Dum. = **L. reticulatum** Mill. (non L.).
26. *L. peregrinum* foliis Asplenii C. B. P. **L. sinuatum** Mill.
29. *L. majus* flore globoso, nobis. The holotrichous *Statice maritima* Mill.
- 601, 32. *L. minimum* vulgatus flore globosa, nobis. The holotrichous *Statice maritima* Mill.
 Also *flore albo*.
 Another sheet, *Limonium gramineum minimum vulgatus flore globoso* is, testibus Bucknall and White, *Armeria maritima* Willd., i. e. the pleurotrichous *Statice linearifolia* Laterr.
 There is also *Caryophyllus marinus fruticosior* Tourn. *D. Sher.*, which Bucknall and White refer to *Armeria pubinervis* Boiss. = *Statice pubinervis* (Willd.), comb. nov.

CAPUT V. **Sesamoides.**

- P. 601, 1. *Sesamoides* floribus ex albo purpurascens, nobis.
Astrocarpus Clusii Gay.
 Another sheet is *Silene Otites* Wibel.
3. *S. procumbens* nostras . . . *Linariae* folio . . . nobis. No specimen. Cited Sp. Pl. 207 for **Thesium Linophyllum** L.
4. *S. Linariae* folio glaucum Pyrenaicum . . . nobis. No specimen. Cited Sp. Pl. 449 for **Reseda glauca** L.

CAPUT VI.

- P. 601. *Juncaria* a *Junceorum* caulicorum forma & gracilitate a *Clusio* appellata est. *Juncaria Salmanticensis*, Clus. Hist.
 74. *Ortega hispanica* L., teste Dr. Stapf.

CAPUT VII. **Piper, Betle, & Saururus.**

- P. 602, 1. *Piper rotundum nigrum*, C. B. P. Cited Sp. Pl. 20. **Piper nigrum** L.
4. *P. longum orientale*, C. B. P. *Tippoly an Long Pepper?*
P. longum L., teste Dr. Stapf.
7. *P. longum arboreum altius*. D. Sloan. **P. longum** L.
8. *P. sylvestre Orientale gracili* . . . Hort. Mal. pt. 7. t. 16. The upper specimen is **P. longum** L., teste Dr. Stapf.
Also a sheet of *Amolago*, *Piperis longi species* Hort. Mal. Tom. 7. p. 31, which is **P. Betle** L. var. *siriboa*, teste Dr. Stapf.

Distributio Secunda: De Plantis quibus post singulum florem bina loculamenta semina continentia succedunt.

CAPUT VIII. **Acanthus sive Branca ursina.**

- P. 604, 1. *Acanthus spinosus sive aculeatus*, C. B. P. **A. spinosus** L.
2. *A. spinosus medius* . . . brevioribus aculeis donatus, D. Fagon. 'Rara haec species e seminibus amicissimi & Rev. D. D. Huntington in Orientali suo itinere collectis, nobisque communicatis, primo orta est.' Of this plant Linnaeus (Hort. Cliff. 327) says 'qui certissime varietas, attamen aculeatae et non aculeata intermedia, adeo ut vix video ad quam speciem proprius accedat.' **A. mollis**, L. forma, teste W. B. Turrill.
3. *A. Diosc. verus sativus Rawolfii*. No specimen. Cited Sp. Pl. ed. ii. 892. **A. Dioscoridis** L.
4. *A. non spinosus sativus vel mollis Virgilii*, C. B. P. **A. mollis** L.

CAPUT IX. **Xanthium.**

- P. 604, 1. *Xanthium sive Lappa minor*, J. B. Cited Hort. Cliff. 443. **Xanthium strumarium** L.
A second sheet, from Fort St. George. **X. strumarium** L., forma *indicum* Roxb., teste Dr. Stapf.
2. *X. elatius & majus Americanum* . . . Cited Sp. Pl. ed. ii. 400. **X. occidentale** Bertol., teste Dr. Stapf.
3. *X. spinosum Atriplicis folio*, Tourn. Cited Sp. Pl. 987. **X. spinosum** L.

CAPUT X.

- P. 604. *Acora Dioscoridis*. *Trifolium fibrinum*, C. B. P. **Menyanthes trifoliata** L.

CAPUT XI.

- P. 605. *Plantaginella palustris*, C. B. P. Cited Sp. Pl. 631. **Limosella aquatica** L.

Distributio Tertia: De Plantis quibus sub singulo flore terna subsunt loculamenta semina servantia.

CAPUT XII.

- P. 605. *Vulneraria alata* Blattariae flore caerulea, nobis. From Virginia. Cited Hort. Cliff. 63. *Polemonium caeruleum* L., flore albo. The specimen is *Polemonium reptans* L., teste Dr. Stapf.

CAPUT XIII. **Ephemerum Phalangioides.**

- P. 606, 1. *Ephemerum Virginianum* . . . D. Pluk. T. 174. 5. Cited Sp. Pl. 342 for *Helonias bullata* L. The specimen is *Aletris aurea* Walt., teste Dr. Stapf.
2. *E. Benghalense* serpens folio subrotundo brevi, Pluk. Tab. 27. *Commelina benghalensis* L., teste Dr. Stapf.
4. *E. Virginianum* gramineum . . . nobis. Cited Sp. Pl. 288. *Tradescantia virginiana* L.
5. *E. Virginianum* gramineum . . . H. R. P. *T. virginiana* L., teste Dr. Stapf.
7. *E. Malabaricum* angustifolium . . . H. Mal. pt. 10. T. 19. *Nelam Pullu* H. Mal. Two specimens: the one *Commelina virginica* L.; the other *C. nudiflora* L., teste Dr. Stapf.
8. *E. Virginianum* Potamogetonis folio . . . nobis. *C. communis* L., teste Dr. Stapf.
9. *E. Zeylanicum* Alsines mediae foliis procumbens, Par. Bat. Prod. A barren *Panicum*, teste Dr. Stapf.
11. *E. Madraspatanum* longissimo angusto folio, nobis. A sheet of mixed specimens; the type probably is *Commelina ensifolia* R. Br., teste Dr. Stapf; the other specimen *Mella Cauna*. An D. Pl. T. 27. 4: *Cyanotis axillaris* D. Don.
- Another sheet, *Honey wood*, a sort of grass every where, good for *Honey*, Barbados, is in part *Commelina communis* L.

Distributio Quarta: De Plantis quarum singulis floribus terna sunt loculamenta semina servantia.

CAPUT XIV. **Stramonium.**

- P. 607, 1. *Stramonium majus* album . . . nobis. *Datura Stramonium* L.
4. *S. Pomo* crassioribus . . . spinis armato, H. L. B. No specimen. Cited Sp. Pl. ed. ii. 255 for *D. ferox* L.
5. *S. sive Datura* pomo spinoso rotundo . . . H. L. B. *D. fastuosa* L., teste Dr. Stapf.
6. *S. curassavicum* humilius Hyoseyami folio, Par. Bot. Prod. *D. discolor* Bernh., teste Dr. Stapf.

9. *S. Aegyptiacum*, foetidum . . . H. L. Bat. *Datura Aegyptiaca* flore pleno, Ponae, Ital. *D. fastuosa* L., teste Dr. Stapf.

CAPUT XV.

No specimens.

CAPUT XVI.

- P. 607. *Glaux exigua maritima*, Ger. 562. *Glaux maritima* L.

CAPUT XVII.

- P. 608. *Stellaria aquatica*, Park. 1258. Includes *Callitriche stagnalis* Scop. and *C. obtusangula* Le Gall.

S. aquatica foliis longis tenuissimis, Raii Syn. *C. hamulata* Kuetz. = *C. intermedia* Hoffm.

CAPUT XVIII.

- P. 608. *Graminifolia palustris*, repens . . . Raii Syn. Cited Sp. Pl. 1100. *Pilularia globulifera* L.

Distributio Quinta: De Plantis floribus pentapetaloidibus donatis quibus singulis dehiscentibus plurima succedunt semina.

CAPUT XIX. *Apocynum. Erectum latifolium.*

- P. 609, 2. *Apocynum majus Syriacum* rectum Cornut. 91. *Asclepias syriaca* L., teste N. E. Brown.

3. *A. idem* . . . ex Aleppo. *A. syriaca* L., teste N. E. Brown.

14. *A. Canadense* . . . nobis. Cited Sp. Pl. 213. *Apocynum cannabinum* L.

15. *A. ramosum Virginianum* . . . D. Pluk. T. 260. *Philibertia clausa* K. Schum.

'This has been wrongly identified with Plukenet's plant by Bobart: it is a native of the West Indies,' N. E. Brown. In Ind. Kew. Supp. this is made synonymous with *P. viminalis* A. Gray.

16. *A. Canadense* foliis *Androsaemi* H. R. Bles. & Bot. Mag. t. 280. Cited Sp. Pl. 213. *A. androsaemifolium* L.

- 610, 21. *A. arboreum*, ad *Eleagni* faciem . . . D. Pluk. t. 260. 3. Sent from Fort St. George by Dr. Edward Bulkley 1700 and 1704. *Velpaula*. *Wrightia tinctoria* R. Br., teste Dr. Stapf.

Apocyna erecta angustioribus foliis.

22. *A. elatius Salicis* angusto folio . . . Pluk. t. 138, 2. *Gomphocarpus fruticosus* R. Br.

23. *A. Africanum* Salicis latiore flore niveo, Hermanni. *Asclepias physocarpa* Schlecht. (*Gomphocarpus* Mey.), teste N. E. Brown.
27. *A. non ramosum* . . . D. Banister Cat. Fruit only. *Asclepias perennis* Walt., teste N. E. Brown.
29. *A. Salicis latiori folio* . . . D. Pluk. t. 188. 3. *A. curassavica* L., teste N. E. Brown.
30. *A. Curassavicum fibrosa radice*, D. Pluk. T. 76. 6. *A. tuberosa* L., teste N. E. Brown.
31. *A. Novae Angliae* . . . flor. aurantiis, Hort. Lugd. Bot. App. Two sheets. *A. tuberosa* L., teste N. E. Brown.
32. *A. tuberosum* . . . D. Pluk. t. 137. 6. Painting only. *A. physocarpa* Schlecht., teste N. E. Brown.
A drawing of *A. Afric. erect. flore ex luteo virente ex codice Compton.* *Gomphocarpus fruticosus* R. Br.
33. *A. non ramosum* Asclepiadis folio, umbellis florum rubentibus, Cat. D. Banister. *A. Americanum salicis folio erectum flo. rubro umbellatum.* *A. incarnata* L., teste N. E. Brown.
37. *A. Africanum foliis undulatis* Hermanni, a quo accepimus. *A. crispa* Berg, teste N. E. Brown = *Gomphocarpus crispus* R. Br.
38. *A. Petraeum ramosum Salicis folio venoso* . . . D. Pluk. t. 261. 3. One specimen is undeterminable; the other is *A. curassavica* L., teste N. E. Brown.

Apocyna Scandentia.

43. *A. African. fol. subrotundo*, Hermanni. 'Hoc ad D. D. Uvedale, Anno 1690, transmissum est.' *Cynanchum obtusifolium* L. f., teste N. E. Brown.
- 611, 53. *A. Malabaricum folio cordiformi* . . . Hort. Mal. pt. 9, p. 25. *Watta-kaka-kodi.* *Tylophora asthmatica* W. & A., teste N. E. Brown.
54. *A. incanum Madraspatanum* . . . D. Pluk. t. 137. 3. Sent from Fort St. George by Dr. Edw. Bulkley, 1701. *Wootameny.* *Daemia extensa* R. Br. = *Pergularia extensa* N. E. Br., teste N. E. Brown.
55. *A. amplexicaule* J. B. 135. Indeterminable. Its hairy stem is quite distinct from that of *Cynanchum acutum* L., teste N. E. Brown, to which belongs Clusius' *Apocynum* 3 latifolium cited by Bobart.
56. *A. Scammoniae facie* . . . H. L. Bat. *Daemia extensa* R. Br. = *Pergularia extensa* N. E. Br., teste N. E. Brown.
58. *A. Scammoniae facie foliis ad basin cordatis.* Sent from Fort St. George by Dr. Edward Bulkley 1705, without a name. *Cynanchum acutum* L., teste N. E. Brown; a form in which the long teeth of the corona have not developed.

60. A. Scammoniae Monspeliacae foliis Curassav. H. R. Hampt. *Watton-valli*. **C. acutum** L. (*C. monspeliacum* L.), *teste* N. E. Brown.
61. A. Virginianum rugosum . . . nobis. Cited Sp. Pl. p. 212. *Cynanchum hirtum* L. = **Gonolobus hirsutus** Michx., *teste* N. E. Brown.
62. A. Indicum minus Nummulariae foliis . . . Raii Hist. Cited Hort. Cliff. 79 and Sp. Pl. 211. *Periploca Africana* L. = **Vincetoxicum africana** Kuntze. (The label is not in Bobart's writing.) The synonymy in Index Kew. is defective.
64. A. sive *Periploca scandens* . . . J. B. tom. 2. 133. **Periploca graeca** L.
66. A. glabrum foliis atroviridibus . . . nobis. **Vincetoxicum nigrum** Moench.

CAPUT XX. **Asclepias.**

- P. 611, 1. *Asclepias* flore albo, C. B. P. **A. Vincetoxicum** L. = *Cynanchum Vincetoxicum* Pers. = **Vincetoxicum officinale** Moench.
2. *A. angustifolia* flore flavescente Vallot, H. R. Par. **C. nigrum** Pers. = **V. nigrum** Moench.
4. *A. Aizoides aphylla* flore *Fritillariae* . . . nobis. Cited Hort. Cliff. 76 and Sp. Pl. 316. *Fritillaria crassa oblongior procumbens* H. R. Hampt.

This is represented by a sheet labelled *Apocynum Aizoides cauliculis longissimis, denticulis rarioribus donatum*, Pluk. *Alm. p. 37 alt.*, is probably **Caralluma adscendens** R. Br., *teste* N. E. Brown.

CAPUT XXI. **Pseudo-apocynum.**

- P. 612, 1. *Pseudo-apocynum hederaceum* Amer. . . . nobis. Cited Sp. Pl. 624. *From Longleat*. *Bignonia radicans* L. = **Tecoma radicans** Juss.
3. *P. Americanum* . . . nobis. No specimen. Cited Bot. Mag. t. 864 for **B. capreolata** L.
6. *P. Folliculis maximis obtusis* . . . No specimen. Cited Sp. Pl. 624 for *B. crucigera* L. = **B. capreolata** L.
11. *P. Virginianum alternis Asclepiadis foliis* . . . D. Pluk. t. 115. 3. **Amsonia Tabernaemontana** Walt., *teste* Dr. Stapf.

CAPUT XXI [bis]. **Clematis daphnoides sive Vinca pervinca.**

- P. 613, 1. *Clematis Daphnoides major*, C. B. P. **Vinca major** L.
2. *C. . . minor*, C. B. P. **Vinca minor** L., and forma **variegata**.

CAPUT XXII.

- P. 613. *Volubilis Americana capreolata* . . . nobis. No specimen.
Queried in Hort. Cliff. as *Epidendron Vanilla* L.

CAPUT XXIII.

- P. 613. *Hyssopifolia sive Gratiola minor*, C. B. Prod. 108. **Lythrum Hyssopifolia** L.
A sheet *Hyssopus major floribus purpurascens*. **Lythrum Graefferi** Ten.
Hyssopoides Montana flore pentapetaloide . . . nobis. **Erinus alpinus** L.

CAPUT XXIV. **Camphorata.**

- P. 614, 1. *Camphorata hirsuta*, C. B. P. **Camphorosma monspeliacum** L.
2. *C. glabra*, C. B. P. **Polycnemum arvense** L., confirmed by W. B. Turrill.
3. *C. altera magis hirsuta*, Breyn. **Camphorosma monspeliacum** L.
6. *Camphoratae congener sive Anthyllis altera Aethiopica* . . . D. Pluk. Alm. t. 273. **Aspalathus** sp. (near *A. mollis* L.).

CAPUT XXV.

- P. 614. *Paronychiae facie Planta tetrapetaloides Virginiana* flore caeruleo. **Houstonia caerulea** L.

CAPUT XXV [bis]. **Cuscuta.**

- P. 615, 3. *Cuscuta ramis arborum innascens Caroliniana* . . . D. Pluk. Tab. 26. 5. **Tillandsia usneoides** L.
4. *C. lendiginosa tenuissimis cirrhis, e terra Mariana*, D. Pluk. t. 26. 6. *Sherry pasha*. Not American. ? *C. planiflora* Tenore.
5. *C. baccifera Barbadiensium a maritimis*, D. Pluk. t. 172. 2. **Tillandsia usneoides** L.
Also a specimen from *D. Charleton, e Virginia*.

CAPUT XXVI. **Reseda.**

- P. 615, 1. *Reseda minor lutea* J. B. 467. *R. vulgaris* C. B. P. = **R. lutea** L.
2. *R. minor crispa Gallica*, Bocc. Tab. 41. **R. lutea** L.
3. *R. minor humilis Monspeliaca* . . . nobis. **R. Phyteuma** L.
5. *R. major alba*, J. B. **R. alba** L.

CAPUT XXVII. **Luteola.**

P. 616. Luteola herba Salicis folio, C. B. P. **Reseda Luteola** L.

Distributio Sexta : De Plantis terrestribus incerti generis.

CAPUT XXVIII

P. 616, 1. Clematis sive Flammula . . . J. B. 127. **C. recta** L.

3. **C. alpina** Geranii folio, C. B. P. Cited Sp. Pl. ed. ii. 764.
Atragene alpina L. = **Clematis alpina** Mill. (I. K.).

4. **C. caerulea erecta**, C. B. P. **C. integrifolia** L.

A sheet, *C. Pannoniae similis foliis obtus. et flo. minoribus.*
E Virginia. **C. ochroleuca** Ait.

CAPUT XXIX.

No specimens.

CAPUT XXX.

P. 617. Ribes verum Arabum, J. B.

A sheet, *Rha sive Rheum maximum foliis rotundioribus asperis.* **Rheum Ribes** L., teste Dr. Stapf.

CAPUT XXXI. **Amomum.**

Distributio Septima : De Plantis aquaticis incerti generis.

CAPUT XXXII. **Sagittaria.**

P. 618, 1. Sagittaria aquatica, C. B. P. **Sagittaria sagittifolia** L.

4. **S. aquatica omnium minima angustifolia**, D. Pluk. Raii Syn.
S. sagittifolia L. forma.

6. **S. Virginiana obtusiore lato folio.** . . . Cited Sp. Pl. 343.
Alisma cordifolium L. **Echinodorus cordifolius** Griseb.

7. **S. quodammodo similis planta Madraspatana** . . . D. Pluk.
Phyt. 220. 8. **Pontederia hastata** L. = **Monochoria hastata** Solms.

8. **S. similis** . . . **Virginiana** . . . D. Banister. Cited Sp. Pl.
288 and Bot. Mag. t. 1156. **Pontederia cordata** L.

CAPUT XXXIII. **Plantago aquatica.**

P. 618, 1. **Plantago aquatica** Major Ger. 417. **Alisma Plantago-aquatica** L.

2. **P. aquatica minor**, Park. 1245. **Echinodorus ranunculoides**
Engelm.

3. **P. aquatica minor stellata** Ger. Emac. 417. **Damasonium**
Alisma Mill.

CAPUT XXXIV. **Stratiotes.**

- P. 618. *Stratiotes sive Militaris Aizoides*, Park. 1249. **Stratiotes Aloidés** L.
 619. *S. Aegyptiaca* J. B. 3. 787. No specimen. Cited Sp. Pl. 963 for **Pistia Stratiotes** L. var. β .

CAPUT XXXV. **Lens palustris.**

- P. 619, 1. *Lens palustris vulgaris*, C. B. P. **Lemna minor** L.
 2. *Lenticulam palustrem majorem*. . . **L. polyrhiza** L.
 3. *Lenticula aquatica trisulca*, C. B. P. **L. trisulca** L.
 5. *Lens palustris quadrifolia*, J. B. 785. Cited Sp. Pl. 1099. **Marsilea quadrifolia** L.

The following species (two sheets) is not mentioned in the *Historia* :

Filicula repens Quadrifolii Phaei facie, oris spermophoros. Ex India Ori ntali: Ary Elle Malabarorum. Pluk. Amalth. Bot. p. 95, tab. 401. M. coromandeliana Willd., teste J. G. Baker.

CAPUT XXXVI. **Tribulus aquaticus.**

- P. 619, 1. *Tribulus aquaticus major*, Park. 1248. Leaves only. **Trapa natans** L.

CAPUT XXXVII.

- P. 620. *Umbilicus aquaticus maximus Chinensis*. No specimen. Cited Sp. Pl. ed. Willdenow, 1259, for **Nelumbium speciosum** Willd.

CAPUT XXXVIII. **Ros solis.**

- P. 620, 1. *Ros solis folio subrotundo*, C. B. P. **Drosera rotundifolia** L., with *D. longifolia* L.
 2. *Ros solis folio oblongo*, C. B. P. **D. anglica** Huds.
 4. *Ros solis Lusitanicus foliis Asphodeli minoris*, Tourn. Cited Sp. Pl. 282. *D. lusitanica* L. = **Drosophyllum lusitanicum** Link.

CAPUT XXXIX. **Equisetum.**

- P. 621, 1. *Equisetum majus aquaticum*, J. B. 729. **E. maximum** Lam.
 2. *E. arvense longioribus setis*, C. B. P. **E. arvense** L.
 3. *E. palustre minus*, Park. 1200. **E. palustre** L.

4. *E. sive Hippuris tenuissima non aspera*, J. B. 730. *E. sylvaticum* L.
5. *E. palustre minus polystachion*, C. B. P. 'In aquis Michelfeldensibus provenit.' *E. variegatum* Schleicher.
6. *E. palustre brevioribus foliis polyspermum*, C. B. P. *Hippuris vulgaris* L.
7. *E. palustre ramosum aquis immersum*, Ambrosin. *Ceratophyllum submersum* L. *sens lat.*
8. *E. foetidum sub aqua repens*, C. B. P. 5. *Chara vulgaris* L.
9. *E. fragile majus subcinereum aquis immersum*. Cited Sp. Pl. 1156 for *C. tomentosa* L., but erroneously. One specimen is *C. hispida* L. It came from *Besorleigh* [Besselsleigh] Berks.
10. *E. sive Hippuris muscosus . . . Sherardi*. Found in Ireland by W. Sherard. The earliest British example of *C. polyacantha* Braun.
12. *E. nudum non ramosum sive junceum*, C. B. P. Represented by *Equisetum hyemale* L., and by *E. limosum* L.
13. *E. foliis nudum ramosum*, C. B. P. *E. limosum* L. var. *fluviatile* (L.).
17. *E. polygonoides Bacciferum minus, nobis*. No specimen. Cited Hort. Cliff. 465. *Ephedra distachya* L.

CAPUT XL. **Millefolium aquaticum.**

- P. 622, 2. *Millefolium aquaticum dictum Viola aquatica secundum*, J. B. *Hottonia palustris* L.
4. *M. palustre galericulatum*, Ger. Emac. *Utricularia major* Schmid., probably the earliest British example.
 5. *M. palustre galericulatum minus flore minore*, Raii, 3. Syn. *U. minor* L. From Westmorland.
 6. *M. aquaticum pennatum spicatum* 8, C. B. P. *Myriophyllum spicatum* L.
 7. *M. aquaticum minus. . . .* 'In fossa prope Lodden-bridge haud longe a Redinga oppido.' *M. alterniflorum* DC., confirmed by Dr. Stapf; the earliest British record.

Distributio Octava: Plantas alias terrestres inferioris ordinis, continens.

CAPUT XLI. **Lichen sive Hepatica terrestris.**

- P. 623, 1. *Lichen acaulis seu Hepatica vulgaris*, Park. 1815. *Conoccephalus conicus* (Neck.).
3. *L. acaulis petraeus minimus fructu Orobi*, 7. C. B. P. The name suggests *Targionia hypophylla* L.: but the specimens seem to be *Lunularia cruciata* (L.), and *Pellia epiphylla* (L.).

5. *L. acaulis minimus foliis venosis* . . . Raii Syn. Dillenius says of the specimen, *non est vera planta sed Lichen parvus erectus foliis profunde laciniatis, Pluken.*, that is it is no. 4. Found plentiful in Bagly Wood, on the left hand. *Pellia calycina* (Tayl.).
8. *L. caulifer petraeus stellatus* 2 C. B. P. **Marchantia polymorpha** L.
Also a sheet labelled *Lichen petraeus cauliculo longo pileolum parvum sustinente. Buddle. Freissia commutata* (Lindb.). Also a piece of *Marchantia polymorpha* ♂⁷.

CAPUT XLII. **Muscus.**

- P. 623, 1. *Muscus clavatus* sive *Lycopodium* Ger. 1562. **Lycopodium clavatum** L.
2. *M. terrestris repens* . . . Pluk. Tab. 47. From Shotover (Oxon.), the first record for the County. Cited Hort. Cliff. 476. **L. clavatum** L.
- 624, 3. *M. clavatus juniperinis foliis reflexis* . . . Cited Sp. Pl. 1103. **L. annotinum** L.
5. *M. clavatus foliis Cupressi*, C. B. P. **L. complanatum** L., and **L. alpinum** L.
6. *M. Zeylanicus terrestris clavatus erectus*. 'A D. Hermanno nobiscum communicatum.' Cited Sp. Pl. 1103. **L. cernuum** L.
7. *M. montanus flagellis longis* . . . nobis. Cited Sp. Pl. 1127. *Hypnum viticulosum* L. = **Anomodon viticulosus** Hook. & Tayl.
8. *M. terrestris aureus minor* . . . Cited Sp. Pl. 1126. **Hypnum cupressiforme** L.
9. *M. terrestris Abietiformis* Raii Syn. Cited Hort. Cliff. 476, n. 2. **Lycopodium Selago** L.
10. *M. terrestris erectus minor polyspermos* Raii Syn. As Dillenius notes, two different genera are represented: the left-hand specimen is **Lycopodium setaoeum** Hamilton; the right-hand specimen and those in envelopes are, teste C. H. Wright, **Selaginella spinosa** Beauv.
11. *M. terrestris repens humilior* . . . **L. inundatum** L., and **Selaginella spinosa** Beauv.
12. *M. terrestris repens Virginianus* . . . D. Banister. Cited Sp. Pl. 1102. **L. alopecuroides** L.

CAPUT XLIII. **Musci terrestres vulgares repentes, iisque affines.**

- P. 624, 1. *Muscus terrestris latioribus foliis major seu vulgaris* R. 2 sheets. **Hypnum triquetrum** L. (*Hylocomium*).

2. *M. terrestris erectior foliis reflexis* R. Syn. *Found on Bilton Field on ye skirts of Dunsmore Heath by Mr. Petiver.* Cited Sp. Pl. 1127. *Hypnum squarrosum* L. = *Hylocomium squarrosum* Wils.

Another sheet (*Buddle*) is *Hypnum cuspidatum* L.

- 625, 3. *M. terrestris vulgaris minor Adianthi* . . . 2 R. Hist. *Brachythecium rutabulum* Wils.
4. *M. palustris albicans, capitulis erectis brevibus* . . . 4 Raii Syn. *Sphagnum cymbifolium* Ehrh.
5. *M. terrestris repens* . . . 8 R. Syn. Cited Sp. Pl. 1123. *Hypnum complanatum* L. = *Neckera complanata* Hüb.
A second sheet, which agrees with Tab. v, fig. 5, is *Eurhynchium praelongum* (L.) Hobk.
6. *M. terrestris repens velut spicatus* 4 C. B. Prod. *From D. Stephens.* *Amblystegium filicinum* De Not.
7. *M. terrestris vulgari similis lanuginosus* D. Lhwyd, R. Syn. Cited Sp. Pl. 1120. *Bryum Hypnoides* L. = *Rhacomitrium lanuginosum* Brid.
Also a specimen, upon dry rocks in Craven plentifully (Dr. Richardson).
8. *M. cristam castrensem repraesentans.* . . . Cited Sp. Pl. 1126 for *Hypnum Crista-castrensis* L.: but the specimen is *H. commutatum* Hedw.
10. *M. terrestris major* . . . D. Sher. *Ex Hibernia attulit D. Sherard.* Cited Sp. Pl. 1124. *Hypnum crispum* L. = *Neckera crispa* Hedw.
11. *M. terrestris medius supinus & repens* . . . 7 R. Syn. On the sheet is a fragment of a letter from Tilleman Bobart. *Hypnum cupressiforme* L.
Another sheet, with a note by *Buddle*; the specimen is queried by Mr. H. N. Dixon as the var. *elatum*.
Another sheet is *H. cuspidatum* L., and another *H. Schreberi* Willd.
12. *M. terrestris repens subflavus.* . . . *Found on the high wall on the west side of Godstow Coppis, Oxon.* *Hypnum moluscum* Hedw.
13. *M. terrestris Virginianus minimus subflavus.* *E Virginia.* *Anomodon rostratus* Schimp.
14. *M. terrestris omnium minimus.* . . . *Neer Hockley, March 12, 97.* Cited Sp. Pl. 1130 'f. 14. 21'. *Hypnum serpens* L. = *Amblystegium serpens* Wils.
Also another sheet, *A. Juratzkanum* Schimp., and *Eurhynchium Swartzii* Hobk.: also another, *E. praelongum* var. *Stokesii* Brid.
16. *M. terrestris surculis compressis* . . . R. Syn. Two sheets. *Neckera complanata* Hüb., and *Homalothscium sericeum* B. & S.

17. *M. palustris terrestris similis foliolis crassis* . . . R. Syn. **Hypnum falcatum** Brid.
A second sheet, from Buddle, with a similar name in Bobart's writing, is **H. cupressiforme** L.
18. *M. ramosus palustris major* . . . D. Vernon. 9 R. Syn. (Buddle). **Eurhynchium striatum** Br. & Sch.
20. *M. Filicinus major*, C. B. P. Cited Sp. Pl. 1125. **Hypnum proliferum** L. = **Thuidium tamariscinum** Br. & Sch.
- 626, 22. *M. terrestris surculis filamentosis*. . . . *On the hill above Hinksey (Berks.) where ye orchis anthropophora grows.* Cited Sp. Pl. 1126. **Hypnum abietinum** L. = **Thuidium abietinum** Br. & Sch.
23. *M. aquaticus pubescens pennatus*. From Dr. Richardson: rightly referred by Dillenius to Raii Syn. 81, n. 8. **Porotrichum alopecurum** Mitt.
24. *M. repens major* . . . Sherardi. *A D. Sher. in Hybernia collect.* Cited Sp. Pl. 1127. **Hypnum loreum** L. = **Hylacomium loreum** Br. & Sch.
25. *M. terrestris luteo-viridis* . . . R. Syn. Cited Sp. Pl. 1129. **H. sericeum** L. = **Homalothecium sericeum** Br. & Sch.
26. *M. repens Serici modo lucens* . . . R. Syn. App. *Godstow wall* (Buddle). Cited Sp. Pl. 1130 (fig. 27). **H. sciuroides** L. = **Leucodon sciuroides** Schwaegr.
27. *M. Cupressiformis ramosus* 9 C. B. Prod. **Amblystegium filicinum** De Not.; another sheet is **Eurhynchium myurum** Dixon; and another, **Brachythecium purum** Dixon.
28. *M. terrestris surculis Kali* . . . R. Syn. **Eurhynchium myurum** Dixon; another sheet is **B. purum** Dixon.
30. *M. dendroides sylvarum erectus* . . . R. Syn. Cited Sp. Pl. 1128. **Hypnum alopecurum** L. = **Thamnium alopecurum** Br. & Sch.
31. *M. dendroides elatior, ramulis crebris* . . . R. Syn. Cited Sp. Pl. 1128. **H. dendroides** L. = **Climacium dendroides** W. & M.
- Musci terrestres, minus ramosi, acutis foliolis.*
32. *M. aquaticus viticulis longis* . . . nobis. Cited Sp. Pl. 1107. **Fontinalis antipyretica** L.
33. *M. denticulatus lucens fluviatilis maximus* . . . D. Pluk. Alm. One specimen, from Dr. Richardson, is **Plagiothecium undulatum** Br. & Sch.; the other is **Brachythecium rutabulum** Br. & Sch.
34. *M. repens foliolis alterius subrotundis* . . . nobis. No specimen. Cited Sp. Pl. 1105 for **Lycopodium helveticum** L. = **Selaginella helvetica** (L.).

35. *M. denticulatus minor sericeus nostras capitulis Adianti.* Cited Sp. Pl. 1124. *Hypnum rutabulum* L. The upper specimen is *Eurhynchium murale* Milde, the other *E. rusciforme* Milde.
36. *M. pennatus capitulis Adianthi.* Cited Sp. Pl. 1122. *H. denticulatum* L. = *Plagiothecium denticulatum* Br. & Sch. Another sheet is *P. sylvaticum* Br. & Sch.

Musci terrestres minus ramosi, rotundioribus foliis pellucidis.

- 627, 39. *M. polytrichoides palustris major . . . nobis.* From Newbury; Berks. No specimen. Cited Sp. Pl. 1113 for *Mnium serpyllifolium* L. var. *a punctatum* L. = *M. punctatum* Hedw.
40. *M. Polytrichoides humilior . . . nobis.* *In moist places upon the sides of all our mountains.* Dr. Richardson. *M. punctatum* Hedw.
41. *M. Trichomanis facie . . .* One specimen from Richardson, *In shady woods and upon the banks of our brooks, Yorkshire.* *Plagiochila asplenioides* (L.); also another sheet of unlocalized specimens.
42. *M. Trichomanoides foliis rotundioribus . . .* 'Via publica, a Villa Wickham (Bucks.) dicta ad Oxonium ducente.' Cited Sp. Pl. 1131. *Jungermannia asplenioides* L. var. *β* = *Plagiochila asplenioides* (L.). On the same sheet is *Bazzania trilobata* (L.). Gr. & B.
43. *M. Trichomanis facie species minima . . .* D. Richardson. *Radula complanata* (L.).
44. *M. muralis floridus foliis subrotundis.* 'Super murorum vetustorum Oxoniensium.' Cited Sp. Pl. 1134. *J. platyphylla* L. = *Madotheca platyphylla* (L.).
On the same sheet is a specimen *M. involuta* Hpe. from North America.
45. *M. Lichenoides foliis cauli squamatim incumbentibus . . .* R. Syn. *Frullania Tamarisci* (L.); also two specimens of *F. dilatata* (L.).
46. *M. Lichenoides foliis pennatis bifidis major, Doodii, Raii* Syn. App. [6 and 7.] *Lophocolea bidentata* (L.).
Also a specimen from Dr. Richardson who says it is *not less frequent than the former* [627. 41] in Yorkshire: it is growing on *Pellia epiphylla* (L.).
47. *M. Lichenoides foliis pennatis bifidis minor, Raii* *ibid.* 'In fonte D. Winifredae apud Salopienses reperitur.' Cited Sp. Pl. 1132. *Jungermannia bidentata* = *L. bidentata* (L.).
The type from St. Winifred's is *Chiloscyphus polyanthus* (L.), as is another from D. Lhwyd.
A specimen labelled *bifidis major ex sententia D. Buddle* is *L. bidentata* (L.); another labelled *D. Buddle collect. inter musc. palust. repens* is *Kantia Trichomanis* (L.).

48. *M. aquaticus* Cornubiensis. . . *D. Stevens*. 'E stagno Dartmore.' *Jungermannia riparia* Tayl.

On another sheet is *M. trichomanoides purpureus Alpinis rivulis innascens D. Lhwyd*, from Wales, *Pleurozia oocleariformis* (Weiss.); also a specimen *similis sed multo minor, D. Doody, e Cornubia, Marsupella emarginata* (Ehrh.). Another sheet from *D. Lhwyd, on ye top of ye mountains in ye highest rivulets*, Wales, *Scapania purpurascens* (Hook.). Another unlocalized specimen is *Nardia compressa* (Hook.).

49. *M. palustris* Anglicus . . . *R. Hist.* *Hymenophyllum tunbridgense* Sm.
- 628, 50. *M. terrestris* Indicus platyceros Filicem referens. No specimen. Cited Sp. Pl. 1103 (fig. 51) for *Lycopodium Bryopteris* L. = *Selaginella Bryopteris* Baker.

CAPUT XLIII [bis]. **Hi genuini Musci capitula quoque lateribus produunt.**

§ 3. *Musci erecti, capillaribus affines, capitulis erectis.*

- P. 628, 1. *M. erectus* hirsutus capitulis longis acutis. . . Cited Sp. Pl. 1117, f. 12. *Bryum rurale* L. = *Tortula ruralis* Ehrh. Another sheet, *Muscus capillaris minor* . . . *Raij Syn. II. 28.* *T. muralis* Hedw.
2. *M. tectorum* densis cespitibus. . . *On the lower Plant house & divers other places plentifully*, Oxford. *T. ruralis* Ehrh. Another specimen on the sheet is *T. intermedia* Berkely.
3. *M. trichoides* humilis ramosus. . . Cited Sp. Pl. 1130. From *Mr. Dyer, Devon.* *Hypnum myosuroides* L. = *Eurhynchium myosuroides* Schimp.
4. *M. trichoides* parvus . . . *D. Doody, R. Syn. Ed. 2, App. By Hockley House in March.* Cited Sp. Pl. 1111, f. 4 and 16. *Mnium purpureum* L. = *Ceratodon purpureus* Brid. : but the larger specimen is *Amblystegium serpens* Br. & Sch.
5. *M. trichoides* foliis capillaceis . . . *Doodei, R. Syn. App. Ed. 2. From the Birch trees in Chilswell Copse in moistish ground* (Berks.). Cited Sp. Pl. 1118. *Bryum heteromallum* *Dicranella heteromalla* Schimp.
6. *M. trichoides* minimus sericeus capillaceus. . . Cited Sp. Pl. 1116. *Bryum pomiforme* L. = *Bartramia pomiformis* Hedw.
7. *M. terrestris* repens parvus . . . 10 *R. Syn.* *Dicranella heteromalla* Schimp.
8. *M. trichoides* palustris. 'Aquis paludibus circa Oxonium.' Cited Sp. Pl. 1110. *Mnium fontanum* L. = *Philonotis fontana* Brid.

- 629, 9. *M. palustris* flagellis erectis luteolis. . . . 'Ex Hybernia D. Sherard attulit, et in paludibus et haud longe a Redinga oppido inveni.' Cited Sp. Pl. 1110. *Mnium palustre* L. = *Aulacomnion palustre* Schwaegr.
10. *M. aureus* capillaris minor . . . Pluk. Alm. *This was found by Mr. Sherard about Southampton.* Cited Sp. Pl. 1108. *Splachnum ampullaceum* L.
11. *M. polytrichoides* exiguis capitulis in summis surculis 4 R. Syn. Cited Sp. Pl. 1123. *Hypnum bryoides* L. = *Fissidens bryoides* Hedw.
12. *M. muralis* minimus roseus sive stellaria. . . . Mixed specimens. *Amblystegium serpens* Br. & Sch., and *Barbula convoluta* Hedw.
Dillenius wrongly referred this to Ray Syn. 96, n. 24. *B. revoluta* Brid.

§ 4. *Musci erectiores . . . pediculis brevioribus insidentibus.*

13. *M. humilis* tectorum subfuscus . . . nobis. *Orthotrichum anomalum* Hedwig. *On the buttresses in Mag. Col. quadrangle and diverse other places.*
Also a specimen of *O. cupulatum* Hoffm. var. *nudum* Braithw., and *Grimmia pulvinata* Sm.
14. *M. trichoides* minimis capillaceis foliis. . . . Mixed specimen of *Barbula revoluta* Brid. and *Dicranoweisia cirrata* Lindb.

§ 5. *Musci erecti minores capitulis reflexis, pediculis longioribus.*

15. *M. trichoides* capitulo parvo reflexo . . . 2 Raii Syn. *On the walls of Godstow street, March 24, 97.* Cited Sp. Pl. 1121. *Bryum caespiticium* L.
16. *M. trichoides* terrestris minimus capitulis recurvis. *Ceratodon purpureus* Brid.
17. *M. minimus* e viridi argenteus capitulis oblongis cernuis. Cited Sp. Pl. 1121. *Bryum argenteum* L.
Two sheets: one labelled, *Found in our Greenhouse garden, in a pan among young Cedars, Jan. 24, 95.* Another sheet, similarly labelled, is probably *Webera nutans* Hedw.
18. *M. minor* pallidus foliis angustissimis . . . 9 Raii Syn. *Hypnum stellatum* Schreb.
19. *M. capillaris* foliolis latiusculis congestis . . . Raii Syn. Cited Sp. Pl. 1121. *Bryum capillare* L.: on the same sheet a specimen of *B. caespiticium* L.
20. *M. capillaris* major et elatior . . . 6 Raii Syn. *B. pseudo-triquetrum* Schwaegr.

§ 6. *Musci erecti minores, capitulis reflexis, pediculis brevioribus.*

21. *M. trichoides hirsutie canescens* . . . 3 Raii Syn. **Grimmia pulvinata** Sm.
- 630, 22. *M. trichoides montanus albidus fragilis* D. Doody, Raii Syn. App. *Among the dry limestone rocks in Craven (Yorks.). (Dr. Richardson.) Found by Mr. Sylvester of Merton Coll. in ye boggs about Cheavley towards Newberry, (Berks), Aug. 16, 93. Cited Sp. Pl. 1118. Bryum glaucum L. = Leucobryum glaucum Schimp.*
23. *M. trichoides parvus capitulo conglomerato* . . . Doodii, 31 R. Syn. **Aulacomnion androgynum** Lindb.
Another sheet from Dr. Richardson, *Among the limestone rocks in Craven, York, is Scapania resupinata* (L.).

CAPUT XLIV.

§ 8. *Musci coronidiferi, sive ex apicibus capitula producentes.*

- P. 630, 1. *Muscus ad Polytrichoidem accedens* . . . nobis. One sheet from Dr. Richardson. **Mnium undulatum** Hedw.
2. *M. polytrichoides elatior foliis angustis pellucidis* . . . 20 R. Syn. **M. undulatum** Hedw.
3. *M. polytrichoides humilior foliis brevioribus raris.* . . . No specimen. Cited Sp. Pl. 1112, f. 3 and 4 for **M. hornum** L.
4. *M. polytrichoides angustifolius.* . . . One specimen labelled by Dr. Richardson, *Under large stones and in the caverns of rocks plentifully.* **M. hornum** L.
6. *M. coronatus medius pileolo villosio tenuiore, nobis.* Cited Sp. Pl. 1109. P. commune var. β L. **Polytrichum juniperinum** Hedw.
7. *M. coronatus rigidus minor* . . . nobis. One sheet *Found by Mr. Sylvester towards Newberry, Berks. Cited Sp. Pl. 1112.* **Mnium polytrichoides** L. = **Pogonatum nanum** Beauv.
8. *M. coronatus humilis rigidior* . . . nobis. Cited Sp. Pl. 1109. P. commune L. var. β = **Polytrichum juniperinum** Hedw.
9. *M. coronatus humilis foliolis latioribus* . . . nobis. Cited Sp. Pl. 1113. **Mnium serpyllifolium** L. var. **proliferum** L. = **Bryum roseum** Schreb., mixed with *Catharinea undulata* Roehl.
10. *M. coronatus Norwegicus.* . . . Only a drawing. Cited Sp. Pl. 1108. **Splachnum rubrum** L.
11. *M. coronatus medius foliis tenuissimis* . . . nobis. Includes **Dicranum majus** Turn., and **D. palustre** La Pyl.
On the same sheet are specimens from Buddle and Doody, with different name, belonging to **D. scoparium** Hedw.

12. *M. coronatus humilis, tenuifolius*. . . *Godstow wall in March* (Oxon.). Cited Sp. Pl. 1116. *Bryum extincorium* L. = ***Encalypta extincoria*** Lindb.
- 631, 13. *M. coronatus humilis, corniculis longissimis acutissimis*. . . ***Tortula muralis*** Hedw.
Also a specimen *Corniculis longissimis incurvis* R. Syn. 29, *Buddle*. ***Tortula subulata***, teste Lindberg.
14. *M. coronatus erectus minor*. . . ***T. laevipila*** Schwaegr.: with it probably *T. muralis* Hedw.
15. *M. capillaris majusculus*. . . 6 R. Syn. *Catharinea undulata* Roehl = ***Atrichum undulatum*** (L.) P. B.
16. *M. coronatus humilis stellaris*. . . *Found Apr. 30 Eastwards from Mr. Alder's House in a moist wood & in the ditches on the E. side of Heddington plentifully*. Cited Sp. Pl. 1116. *Bryum pyriforme* L. = ***Physcomitrium pyriforme*** Brid.
17. *M. coronatus minor foliolis latiusculis*. . . *Found by Mr. Dyer in Heddington Quarry, Feb. 6, 95* (Oxon.). Cited Sp. Pl. 1111. *Mnium hygrometricum* L. = ***Funaria hygrometrica*** Hedw.
Another sheet, under Vernon's synonym 29 R. Syn., is ***Phascum acaulon*** L.
18. *M. coronatus minimus, foliolis & capitulis oblongis*. . . Cited Sp. Pl. 1119. *Bryum truncatum* L. = ***Pottia truncatula*** Lindb.
Bobart's specimens *from the wall*. . . *Godstow House, March 24, 1697* (Oxon.), supposed to be the same as Doody's, are ***Pottia cavifolia*** Ehrh., teste L. O. Lindb. Another specimen is ***Weisia viridula*** Brid.
19. *M. coronatus minimus capillaceis foliis, capitulis oblongis*. ***Ulota crispa*** Brid.
20. *M. coronatus minimus*. . . No specimen. Cited Sp. Pl. 1110 for *Mnium androgynum* L. = ***Aulacomnion androgynum*** (L.).

The following are specimens of Mosses in the Herbarium, the names of which are not printed in the *Historia*, but were subsequently entered by Bobart in manuscript on interleaved pages in his copy.

- 625, MS. *Ad Muscum vulg. flagellis tenuibus foliis minimis* Doody, *proxime accedit*, 1 edit. R. Syn. 244. ***Hypnum commutatum*** Hedw.
- M. erect. palust. albus foliis capillaceis*. Doody, R. Syn. App. 324. ***Sphagnum cuspidatum*** Ehrh.
- M. erect. fol. caulibus appressis*. Doody. R. S. App. 337. ***Hypnum Schreberi*** Willd.
- M. pennatus major cauliculis ramosis in summitate velut spicatus*. Ioh. Loeseli in *Flora Prussica* 166. *M. arboreus*

sericeus Abieti formis. D. Sher. Badminton (Glos.). Homalothecium sericeum B. & S.

A second sheet, *An Muscus pennatus minor . . . Ioh. Loeselii in Flora Prussica, p. 167?* is *Eurhynchium striatum B. & S.*

A third sheet bears a specimen of *E. praelongum (L.) Hobk.*

M. terr. Myricae foliis. D. Vernon. Hylocomium splendens Br. & Sch.

M. palustris Scorpioides ramosus erectus. Doody? M. palustris surculis quasi pungentibus, capitulis ferrum equinum referentibus. Buddle. Bob. et ab ipso H. Ox. p. 625. Videtur 18, p. 625. Hypnum cuspidatum L.

A second sheet, *An Musc. ramos. palust. major fol. membranceis acutis. D. Vernon? 19. R. Syn.*, bears two specimens, one *Isothecium myurum Brid.*, the other *Neckera complanata Hüb.*

M. palust. valde ramosus surculis crebrioribus foliolis in tenues et longos mucrones productis, 14 R. Syn. 39. On the label in Buddle's hand is written, *I take this to be M. palustris valde ramosus etc. R. Syn. 39. 14, tho I have another or two yt claim yt title in this & some others I shall give a note of. I desire to hear from you about mosses. Amblystegium filicinum De Not.*

M. fluitans fol. et flagellis longis tenuibusque. D. Sher. in Doody App. R. Syn. Found March 25, 1700. In the ditch of water almost at the farther end of Marston lane near the turning up the back side of Heddington hill (Oxon.) Hypnum aduncum Hedw.

M. Filicinus perelegans crispatus. D. Dandridge, Mus. Pet. Fig. 438. M. palustris Absinthii folio insipidus. Tournef. Inst. R. H. In sylva Highgate (Middlesex). Ptilidium ciliare (L.) Hampe.

626, MS. *M. terrest. splendide lutescens, surculis et foliis praelongis tenuibusque. D. Buddle. Two sheets. Camptothecium lutescens Br. & Sch.*

M. Fontalis minor lucens. J. B. ex sententia D. Doody. D. Buddle. Cinclidotus fontinaloides P. Beauv.

M. pennatus major aquis fluitans Adianti aurei capitulis D. Sherard. Eurhynchium rusciforme Milde.

M. Filicifolius s. pennatus aquaticus maximus. R. Syn. p. 35. Two specimens on the same sheet, one with a note by Buddle, *on boughs lying in ye water. Fissidens adiantoides Hedw.*

M. pinnatus aquat. Buddle, D[ooddy]. Amblystegium riparium Br. & Sch.

- M. pennatus aquat. major*. *D. Buddle*. *Ad ripas fluvii Thamesis aliisque*. *Brachythecium rutabulum* Br. & Sch.
- M. pennatus aquaticus minor*. *Ad ripas fluvii Thamesis*. A sheet of mixed specimens. *Leskea polycarpa* Ehrh.; *Cryphaea heteromalla* Mohr.; *Mnium hornum* L.; another labelled a *D. Richardson*, is *Pterygophyllum lucens* Brid.
- M. pennatus sylvaticus*, *D. Doody, Buddle*. Three sheets of mixed specimens, some of which are *Brachythecium rutabulum* Br. & Sch., *Plagiothecium denticulatum* Br. & Sch., and *Eurhynchium murale* Milde.
- 627, MS. *M. trichoides palust. erectus foliis reflexis* *D. Richardson* *R. Syn. App.* 338. *Bryum bimum* Schreb.
- M. denticulatus minor* *C. B. P. D. Sherard*. *Selaginella denticulata* Link (cf. 626, 34). *M. denticulatus major* *C. B. P. S. helvetica* Link. Both species on the same sheet.
- 628, MS. *M. foliis caulibus appensis uno versu dispositis viticulis minoribus*. *Doody, Buddle*. *Barbula rigidula* Mitt.
A second sheet of mixed specimens. *Brachythecium velutinum* Br. and Sch. *Hypnum cupressiforme* var. *resupinatum* Schp.
- 629, MS. *M. capillaris parvus cum madefactus stellulae modo se apperians*. *Buddle*. *Zygodon viridissimus* R. Br. On the same sheet is *M. capitulo apodi minor hirsutus pileis striatis*. *Buddle*. *Orthotrichum diaphanum* Schrad. and *Ulota Bruchii* Hornsch.
- M. trichoides minimus capitulis creberrimis parvis ruffis brevibus pyriformibus in pediculis brevissimis*. *Vernon. R. Syn.* 33. *Pottia truncatula* Lindb. On the same sheet are specimens of the same species from *Buddle* and *Doody*.
- M. trichoides fontanus minor capit. turgidulis reflexis carnei coloris* *Vernon est forsitan* 27, p. 32 *R. Syn.* *Buddle's* handwriting. *Webera carnea* Schp.
- M. argenteo persimilis excepto colore*. *Buddle*. *Bryum atropurpureum* W. & M.
- M. capillaris surculis tenuibus capitulis variis*. *Buddle. N. D. Tetraphis pellucida* (L.) Hedw.
- 630, MS. *M. trichoides capitulis apodibus per longitudinem caulium producens*, *D. Sherard, Badminton*. *M. apocarpos arboribus adnascens polyspermos*. *R. Hist. vol. 3. p. 39*. *Cryphaea heteromalla* Mohr.
An Muscus apocarpos arboribus adnascens minor *Sherard. R. Hist. vol. 3. 40. Buddle*. *Grimmia apocarpa* Hedw.
- M. stellaris sylvarum capitulis magnis nutantibus*, *Vernon Raii Syn.* 35. A label attached, in *Buddle's* hand, reads,

I do not find this in your History, w^t you sent me for ye 4. 630 was nothing but this not in head. **Mnium hornum** L.

Adiant. aureum medium fol. tenuiss. capit. erectis acutis. *V. Syn. prius edit. p. 237.* This is Bobart's specimen found 'In the Bogs of Bagley-wood near Oxford'; see Ray Syn. ed. i. p. 237 App. **Dicranum scoparium** Hedw.

631, MS. *M. capillaris minor capitulis erectis vulgatissimus.* *Raii Syn. 28 et Raii Syn. p. 33.* *Vernon.* **Tortula muralis** Hedw.

M. trichoides minor acaulos capillaceis foliis. *Mus. Pet. Fig. 87. V. Doody in App. R. Syn. p. 339.* **Pleuridium subulatum** Rab.

M. polytrichoides perexiguus capitulis in summis surculis seu foliis subrotundis erectis, *R. Syn. p. 35.* **Fissidens incurvus** Starke.

The following specimens of Mosses are in the Herbarium, but are not in any way mentioned by Bobart in the *Historia*.

M. polytrichoides aquaticus foliolis crebris extremis obtusis et subrotundis, *R. Syn. p. 36.* Also a specimen on the same sheet from Dr. Richardson, upon boggy places where *Ros solis* grows. **Mnium affine** Bland.

M. cupressinus aureos crassus Barcinonensis nobis (Petiver). **Hylacomium rugosum** De Not.

M. palustris albicans terrestris, capitulis erectis brevibus, pediculis etiam brevissimis insidentibus, *R. S. p. 37.* **Sphagnum acutifolium** var. **subnitens** (R. & W.) Dixon.

M. canariensis minus ramosus acutis foliis aureis, from Buddle, from ye Canaries. **Astrodonium canariense** Schwaeg.

M. Trichomanoides e cujus singula corona, plurima oriuntur capita. 5, 6. 1702. **Mnium undulatum** L.

M. trichoides capitulis oblongis reflexis, *D. Doody, R. Synops. App. 243.* **Bryum caespiticium** L.

M. terrestris repens Lycopodii ferme facie, *R. App. Doody.* **Plagiothecium undulatum** Br. & Sch.

M. pennatus dendroides repens capitulis longis nutantibus. **Pottia intermedia** Lindb.

M. domesticus nostras' surculis erectis rigidis capitulis in pediculos perbreves. *Buddle.* An attached specimen bears, *D. Sherard e Germania.* **Antitrichia curtipendula** Brid.

M. anapodacarpus. Dillenius wrongly refers this to *Hist. (Musc. p. 245) n. 4. Syn. St. Br. iii. p. 104, 3* which is *Grimmia apocarpa* Hedw. **Hedwigia ciliata** Ehrh.

An unnamed specimen labelled *Found by Mr. Urry in a plashie place in Wiltshire.* **Zygodon Mougeotii** Br. & Sch. and **Trichostomum tortuosum** Dixon.

M. alpinus ciriosus, crinium retortorum instar crispatus.
Joh. Jac. propria manu script. Gazophyl. nostri, Tab. LXV,
Fig. 8. Trichostomum tortuosum Dixon.

M. capillaris palustris rubens capitulis reflexis. Doody, Buddle.
 ? *Bryum pseudotriquetrum* Schwaegr.

Distributio Nona : De Plantis minus perfectis.

CAPUT XLV. **Musco-fungus.**

§ 1. *Musco-fungi e terra prominentes, latiores.*

- P. 632, 1. *M. terrestris latifolius cinereus Hepaticae facie, nobis.*
 Cited Sp. Pl. 1149. *Lichen canina* L. = *Peltigera canina*
 Hoffm.
2. *M. terrestris superne cinereus Islandicus. This is all I have,*
and it came from Piedmont (Buddle). Cetraria islandica
 (L.) Ach.
3. *M. terrestris minor crispus . . . Cladonia alcicornis* Lightf.
4. *M. terrestris minor fuscus . . . Cited Sp. Pl. 1157. Tremella*
Lichenoides L. = *Leptogium lacerum* Gray.

§ 2. *Musco-fungi pyxidati.*

- P. 632, 3. *M. pyxidatus saxatilis, J. B. Cladonia* sp.
4. *M. pyxidatus calyce . . . apicibus . . . coccineis. See D. Plot.*
Hist. Nat. Stafford., R. Syn. 21. Cladonia pyxidata (L.)
 Fr. : also a specimen found beyond the 2d bog beyond Childs-
 well Berks.
5. *M. pyxidatus Norwegicus tubulo longiore. C. fimbriata*
 (L.) Fr.
6. *M. pyxidatus gracilior . . . Cited Sp. Pl. 1152. On the same*
 sheet as No. 3. *Lichen gracilis* L. = *C. gracilis* (L.).

§ 3. *Musco-fungi corniculati.*

- P. 632, 1. *M. montanus corniculatus, nobis. C. furcata* (Huds.) Fr.
- 633, 2. *M. montanus corniculatus minor . . . Found beyond the 2nd*
bog beyond Childswell, Aug. 6, 93. C. furcata (Huds.) Fr.
 Another sheet, with a specimen a *D. Plukenet. C. squa-*
mosa Hoffm. or *scariosa* Flk.
4. *M. petraeus corniculatus . . . D. Lhwyl. Ramalina scopu-*
lorum Ach.
5. *M. ceranoides . . . eburneo nitens. Two specimens on the*
 sheet : one *Roccella fuciformis* (L.) DC., the other *Rama-*
lina calicaris Nyl.
7. *M. ceranoides mollior & elatior albidus tubulosus. C. uncialis*
 (L.) Web.

8. *M. corniculatus major cinereus* . . . 6 Raii Syn. On the same sheet as No. 1. *C. furcata* (Huds.) Fr.
9. *M. coralloides montanus* . . . cinereus. Cited Sp. Pl. 1153. *L. rangiferinus* L. = *Cladonia rangiferina* (L.) Hoffm.
One specimen *circa Barcelonam collect.*: another *At Hampstead* (Buddle): and a third *Fungillus ramosus candidus*. Found Oct. 4, 98 In Stony lane coming from Wickham, Bucks.
10. *M. coralloides montanus* . . . fuscus. Three sheets, including specimens collected by Doody at Hampstead, and sent by Buddle. *Cetraria aculeata* (Schreb.) Fr.
11. *M. coralloides montanus tenuis* . . . *Bryopogon divergens* Ach. ?
12. *M. coralloides fruticosior & lignosior*. *At Carnedh Lhewellyn and elsewhere on Snowdon*. *Stereocaulon denudatum* Flk.
13. *M. coralloides terrestris* . . . Norwegicus. 'D. Petiver haec planta debita est.' Cited Sp. Pl. 1154. *L. paschalis* L. = *Stereocaulon coralloides* Fr.
15. *M. trichoides e nigredine cinereus* . . . Richardson's type probably from Yorkshire: *this grows upon rocks and old trees and sometimes hangs down above a foot*. *Bryopogon prolixum* (Ach.) Mass.

§ 4. *Musco-fungi crustae modo adnascentes.*

- P. 633, 1. *M. Lichenoides crustae modo adnascentis major cinereus*. Cited Sp. Pl. 1147. *Lichen caperatus* L. = *Parmelia caperata* Ach.
2. *M. Lichenoides arborum* . . . Norwegicus. *Stictina serobiculata* (Scop.) Nyl.; also a specimen of *Peltigera* sp.
 3. *M. Lichenoides arborum Hybernicus* . . . On the same sheet as the preceding: 'D. D. Sherard ex Hybernia.' *Ricasolia laetevirens* (Lightf.) Nyl.
 4. *M. Lichenoides arborum crispus cinereus* . . ., nobis. Cited Sp. Pl. 1148. *Lichen glaucus* L. = *Platysma glaucum* (L.) Nyl.
The other specimens are: *b. Parmelia perlata* L.; *c. P. caperata* L.
- 634, 5. *M. Lichenoides arborum angustior* . . . nobis. Cited Dill. Hist. Musc. 148. *Parmelia perlata* (L.) Ach.
Other specimens on the two sheets are *P. sulcata* Tayl., and *P. saxatilis* (L.) Ach.
6. *M. Lichenoides* . . . *vulgatissimus*. On the same sheet as the preceding. Cited Sp. Pl. 1143. *Lichen saxatilis* L. = *Parmelia sulcata* Tayl.

8. *M. Lichenoides minor vulgatissimus flavus. Fungillus aureus peltatus minimus. On the Plane tree before our door. Feb. 2, 9³/₄. Xanthoria parietina (L.).*

On the same sheet is *Lichen perpusillus nigricans crispus succulentus bracteolis fuscis. Buddle*, which Dillenius has marked Syn. 72, n. 53. In the herbarium of the *Synopsis* the type-specimen is *C. nigrescens*, with a scrap of *C. flaccidum*. Here the specimen is *Collema flaccidum* Ach.

10. *M. tartaricus leprosus scutellaris cinereus. Found about Tunbridge. Ochrolechia parvella (L.) Ach.*

A second sheet, on which are several diverse specimens: *Lichen crustaceus albescens . . . Pet. On Trees in Cainwood near Hampsted, Variolaria sp.: also Urceolaria scruposa Ach., Lecanora subfusca L., and other species.*

§ 5. *Musco-fungi e corticibus arborum dependentes.*

- P. 634, 1. *M. arboreus platyphyllos . . . nobis. Sticta pulmonacea (Dorst.) Schaer.*

2. *M. quernus latifolius cinereus. Cited Sp. Pl. 1147. Lichen fraxineus L. = Ramalina fraxinea (L.) Ach.*

On the same sheet are specimens of Nos. 3 and 4, and there is a separate sheet of No. 4; all of the same species.

5. *M. arboreus capitulis rostratis. Cited Sp. Pl. 1146. L. calicaris L. = Ramalina calicaris Nyl.*

6. *M. arboreus cinereus scutellatus, . . . marginibus pilosis. Three sheets. Cited Sp. Pl. 1144. L. ciliaris L. = Physcia (Anaptychia) ciliaris DC.*

On one sheet are also specimens of *Physcia tenella* Nyl. and *Parmelia sulcata* Tayl.

7. *M. arborum vulgatissimus cinereus . . . Three species are represented, the type being probably Evernia prunastri Ach. Another is Ramalina farinacea (L.) Ach. There are also specimens from Doody, M. Licheniformis cornu simplicis Raij Syn. App., which are Cladonia sp.*

Another sheet consists entirely of *Evernia prunastri*.

8. *M. arborum tenuior . . . Ramalina farinacea (L.) Ach.*

One specimen from Doody, 'I should take this to be *M. arboreus argut. scutis in marginibus fol. Pet. but he says is yt other.*' There is a second sheet of mixed species of *Ramalina*.

9. *M. arboreus cinereus minor marginibus pilosis. On the same sheet as No. 8. Physcia (Anaptychia) ciliaris (L.) DC.*

Dillenius has put here *M. fungus cinereus minimus peltatus* = *P. tenella* Nyl., but Bobart has not numbered it, therefore it is Dillenius' interpretation of 634. 9, not Bobart's.

10. *M. Norwegicus arborum* . . . **Evernia furfuracea** (L.) Fr.
 11. *M. arborum nodosus* . . . nobis. Two sheets. Cited Sp. Pl. 1156. *Lichen articulatus* L. = **Usnea articulata** Hoffm.
 635, 12. *M. arboreus Canariensis* . . . **U. articulata** Hoffm.
 13. *M. arboreus vulgaris cornosus cinereus*, nobis. Two sheets. **Usnea hirta** Hoffm.; with it *U. florida* (L.) Hoffm.
 14. *M. arborum capillaceis scutis amplis* . . . nobis. One specimen is labelled *In Terra Mariana collect. D. Vernon*. Two sheets. Cited Sp. Pl. 1156. *Lichen floridus* L. = **Usnea florida** (L.) Hoffm.
 15. *M. arboreus Norwegicus cinereus* . . . **Usnea plicata** L.
 16. *M. arboreus Canariensis, capillaceus aurantiacus*. **Alectoria ochroleuca** (Ehrh.) Nyl.

The names of the following specimens of Lichens are entered by Bobart in manuscript on interleaved pages in his copy of the *Historia*.

- 632, MS. *M. pyxidatus elatior margine serrato*. Doody, a variety only. Another specimen attached to the same sheet is labelled:—*M. pyxidatus difformis*. Buddle. **Cladonia pyxidata** (L.) Fr.
 633, MS. *M. Licheniformis cornu ramoso*. D. Doody, in *App. R. Syn.* 332. **C. furcata** (Huds.) Fr.
An Muscus ceranoides incanus minor C. B. *Prod.* 152, *descript.*
C. furcata (Huds.) Fr.
M. Licheniformis coralloides. Buddle. **C. furcata** (Huds.) Fr.
M. corniculatus cornu simplici. Doody. *R. Syn. App.* **C. furcata** (Huds.) Fr.
M. Licheniformis viridis scyphulis seu bracteolis nigris in *App. R. Syn.* 331. From Doody. **Physcia pulverulenta** (Schreb.) Nyl.
Muscus palustris candidus mollis Rangiferorum. This was found by Mr. Ezek. Pargiter, covering the ground in a moorish place in Liester shire, soft & white very thickly growing. Very fragmentary. **Chara vulgaris** L. or possibly **C. hispida** L.
 634, MS. *M. montanus ramosus cinereus*. Vernon. *R. Syn.* 23. **Parmelia physodes** (L.) Ach.
M. arboreus coralloides, C. B. *R. H. Vol.* 3. 29. **Evernia prunastri** Ach.
*M. arboreus platyphyllos segmentis laceratis angustioribus et luti-
 toribus*, Doody. Buddle. Cheaveley. **Ramalina evernioides** Nyl.

The following specimens in the Herbarium are not mentioned in any way in the *Historia*.

- M. pyxidatus elatior calyce cornuto*. **Cladonia fimbriata** Hoffm.

M. Alpinus lapidibus adhaerens instar lanae nigrae. D. Stephens e Cornubia. Alectoria sp.

M. coralloides πλατυδασφύλλων, tuberculis pulverulentis donatus. Doody. R. S. App. Tropical. Roccella Montagnei Bél.

M. Indicus platyceros corniculis acutis. Tree Moss. From ye East Indies. Roccella Montagnei Bél.

An Muscus mont. fruticosior segmentis majoribus nigris. Alm. Bot. 255. Dillenius has added:—Syn. iii. p. 66. n. 13. Sphaerophoron coralloides Pers.

Fungus parvus e Gramine excrescens. D. Sloan. Dillenius refers it to Syn. iii. p. 67, n. 15. Cladonia rangiferina (L.) Hffm.

M. arboreus Licheniformis purpurascens, R. S. p. 23. Parmelia sulcata Tayl.

Lichen purpureus Herb. Cork or Arcel. R. Syn. 23. 9 ex sententia D. Sloan a quo collect. Parmelia omphalodes Ach.

A specimen with a label in Adam Buddle's writing which states:—*You did not take notice of this I found it amongst S. Doody's & fancy it comes from ye Canaries tho ye Moss it grows to is English . . . upon second thoughts I believe it comes from Ireland. Dillenius has written Doody's writing [sic]. Lichenoides Damae cornua referens, subtus villosum Hist. n. 108. [Hist. Musc. p. 217, n. 115.] Sticta damae-cornis* Ach.

CAPUT XLVI. Fungus.

§ 1. Fungi terrestres esculenti lamellati.

No specimens.

§ 2. Fungi esculenti non lamellati.

No specimens.

§ 3. Fungi subterranei Tubera dicti.

No specimens.

§ 4. Fungi terrestres noxii, pileati, molles, pediculis donati, lamellati majores.

P. 639, 32. Fungus molaris gracilis cinereus, utrinque lamellatus, 83, Sterb. Tab. 24 A.

This I found Aprill 12, 88, in the south border on y^e left hand, without y^e south wall, about 2 or 3 inches high, almost flat, furrowed on both sides, of an ash colour about 2 inches broad. Coprinus sp. teste E. M. Wakefield.

§ 5. *Fungi terrestres noxii pileati molles, lamellati minores.*

No specimens.

§ 6. *Fungi perniciosi non lamellati majores.*

No specimens.

§ 7. *Fungi perniciosi non lamellati minores.*

- 641, 2. *Funguli incarnati coloris minuti Musco innati.* Pugill. Mentz. Tab. 6. *This grows common with us upon most of our heathy mores.* Dr. Richardson. **Baeomyces roseus** Pers. (a Lichen).

§ 8. *Fungi terrestres molliores pediculis carentes.*

4. *F. fugax membranaceus pinguis,* Magnol.

This mucilaginous fungus of palle green colour, lying on the ground, somewhat curl'd together and looking like Laver, I found by our fountain on y^e left hand side, wch seemed as it were coming out of wormholes. Sept. 18, 95. Nostoc commune L.

On the same sheet is a specimen labelled *Fungillus aureus campestris ramosus minimus macem referens.* Oct. 23, 93, beyond y^e Quarrie against. . . . **Clavaria muscoides** L.

§ 9. *Fungi ramosi.*

- 641, 1. *F. ramosus esculentus elegans.* *F. ramosus Imperati,* 29 C. B. P. **Clavaria** sp.

§ 10. *Fungi pulverulenti.*

- 642, 7. *F. pulverulentus Crepitus Lupi dictus major . . .* D. Sher. 16. *Ex Hibernia.* **Lycoperdon saccatum** Vahl.
9. *F. Crepitus Lupi dictus pediculo longiore scabro,* 17 Raii Syn. (Ed. ii. p. 16.) **Lycoperdon** sp.
(With regard to Nos. 7 and 9 see *Herbaria of Dillenius,* p. 12.)
10. *F. Crep. Lup. dictus Virginianus trifidus,* D. Banist. *E Virginia.* **Lycoperdon** sp.
Another sheet bears a specimen of *L. coelatum* Bull.
19. *F. spongiosus croceus holosericum referens.* *D. Lloyd.* **Trentepohlia aurea** Mart. (an Alga). On the same sheet is
20. *F. spongiosus niger reticulatus . . .* D. Doody. 37 R. Syn. (p. 18). On the sheet is a Dillenian label, *Byssus tenerrima murina doliaris,* Hist. Musc. p. 6, n. 12. A sterile mycelium: **Racodium cellare** Pers.

§ 11. *Fungi cavi seu calyciformes.*

- 642, 2. *Fungillus* Cyathiformis externe fuscus . . . In *Murleywood* on the upper side, Oct. 21, 93 (haud longe ab Oxonio) Mr. Lloyd. **Lachnea hemispherica** Gill.
4. *F. minimus* infundibuliformis . . . 25 Raii Syn. (p. 17). This Dr. Sherard found on rotten cowdung in Ireland. Dr. Richardson. On the same sheet as No. 2. **Poronia punctata** (L.) Fr.
There is also a specimen of *Cyathus striatus* (Huds.) Hoffm. *E Virginia*.

§ 12. *Fungi arborei aridiores & quasi lignosi, foliacei.*

- 643, 12. *F. lignosus* coriaceus . . .

This I found on an old peece of oak timber of Mr. Crosse's sticking close as a Barke, spreading its selfe 3 or 4 inches broad more or less, and seems to creep as an ulcerous sore encreases. Aug. 6. 94. **Hymenochaete tabacina**, Lév.

A second sheet is *Auricularia mesenterica* (Dicks.) Fr.

18. *F. Alno* adnascens pectunculi forma . . . D. Sher. ex *Hibern.* **Panus stipticus** Fr.

Another specimen on the same sheet is a *Peziza*, probably *P. ochracea*, Bond. Mr. Reynolds *hooping cup*.

22. *F. ramosissimus niger compressus* . . . 'In Horti solitudine Sancti Jacobi prope Londinum, Charissimus Frater Tillemannus hunc Fungum nascentem collegit.'

Rhizomorphs of **Armillaria mellea** Vahl: also a piece of sterile mycelium (*Byssus*).

§ 13. *Fungi lignosi solidiores, substantiae integrae.*

- 643, 2. *F. fraxineus niger durus orbiculatus*, ii Raii Hist. 35 Synops. (p. 18). D. Sher. **Diatrype bullata** (Hoffm.) Fr.

On the same sheet is a specimen of *Polystictus hirsutus* Fr.: also one labelled *Fungillus Lichenoides nigricans conglobatus*. July 19, 1709. Found on the gravell walk in our Court, a species of Collema.

18. *F. digitatus niger Laurinus*. Oct. 4, 88. Drawing only **Xylaria polymorpha** (Pers.) Grev.

On the same sheet is a specimen of the same plant, labelled *F. lignosus niger digitatus Piperi Æthiop. aemulus*. D. Doody; marked by Dillenius, *H. Ox. iii*, p. 643, 2, probably intended for p. 643, 20.

19. *F. ramosus niger compressus apicibus albis*, 11 Raii Syn. (ed. ii, p. 15). **Xylaria hypoxylon** (L.) Grev.

Another sheet of the same bears also a specimen of *Nectria* sp.

CAPUT XLVII. **Conferva sive Alga fluviatilis.**

- P. 644, 1. *Conferva*, Ger. 1570. *Cladophora crispata* Kütz.
2. *C. viridis capillacea brevioribus setis* . . . Cited Sp. Pl. 1167. *Conferva glomerata* L. Found Jul. 93 in the ditch on the right hand of the Coñon called Mainmash beyond Stanton by ye wood side, J. B. *Cladophora glomerata* Kütz.
3. *C. geniculata minima nostras*, D. Pluk. t. 84. On the same sheet as No. 1. Cited Sp. Pl. 1166 for *Conferva capillaris* L. The specimen is *Cladophora glomerata* Kütz.
4. *C. reticulata*, Raii Hist. App. On the same sheet as No. 2. Cited Sp. Pl. 1165. *C. reticulata* L. = *Hydrodictyon retioulatum* Lagerh.
5. *C. platyphyllos*, 5 Raii Syn. Three sheets. *Enteromorpha intestinalis* Link.

The following specimen is not mentioned in the *Historia*.

C. aquatica trichoides, extremitatibus ramosis, Cat. Giss. 199. This name is in the handwriting of Dillenius.

Found on the side of an old boat at Godstow in the water. *Cladophora fracta* Ktz.

Distributio Decima: De Plantis submarinis.

CAPUT XLVIII. **Fucus sive Alga marina.**§ 1. *Fuci acaules subrotundi.*

No specimens.

§ 2. *Fuci acaules latiores inaequaliter divisi.*

- P. 645, 1. *Fucus sive Alga latifolia* . . . 6 C. B. P. 'Ex Oceano Atlantico adfertur.' *Porphyra leucosticta* Thur.
2. *F. marinus Lactucae folio*, 1 C. B. P. 'Oyster green.' On the same sheet as No. 1. *Ulva latissima* J. Ag.
5. *F. sive Alga membranacea purpurea parva*, 5 Raii Syn. Specimens 1 and 2. *Callophyllis laciniata* Kütz.: Sp. 3 *Nitophyllum laceratum* (Gml.) Grev., with intramarginal series of tetraspores.
6. *F. sive Alga folio membranaceo* . . . , 8 Raii Syn. *Fucus sanguineus* L. = *Delesseria sanguinea* Lamx.
7. *F. maritimus Gallopavonis pennas referens*, 9 C. B. P. Cited Sp. Pl. 1162. *F. pavonius* L. = *Padina Pavonia* Gaill.

§ 3. *Fuci foliacei acaules angustiores.*

- 646, 1. *F. foliaceus humilis palmam humanam referens.* 'Ex Anglesey, a Rev. D. Humfreys.' Cited Sp. Pl. 1162. *F. palmatus* L. = *Rhodymenia palmata* Grev.
2. *F. membranaceus acaulos angustior . . . Laurencia pinnatifida* Lamx.
On the same sheet is a decayed frond of *Desmarestia ligulata* Lamx.
3. *F. marinus foliis crispis subrotundis in summitate bifidis,* Pluk. Alm. 'Dils Scotis.' The sheet is labelled *Alga crispa scabiosa rubra et pallida, J. B., 795.* Specimens of *Phyllophora rubens* Grev. and *Nitophyllum laceratum* Grev.: but the type-specimen is *Phyllophora membranifolia* J. Ag.
A second sheet, with the same label, a *D. Nissole ad Jac. Petiver,* is *Phyllophora nervosa* (DC.) Grev.
4. *F. membranaceus rubens angustifolius,* Raii Syn. App. *Rhodymenia palmata* Grev.
5. *F. membranaceus rubens foliolis latiusculis . . . Odonthalia dentata* Lyngb.
6. *F. sive Alga membranacea candida, . . . D. Pluk. Alm. (a) Sphaerococcus coronopifolius* Grev.; (b) unnamed.
On the same sheet is a specimen of *Phyllophora membranifolia* J. Ag.
7. *Alga tinctoria, J. B. 796. An Alga tinctoria, J. B.?* The specimen is *Delesseria sinuosa* Lamx.
8. *F. capillaris tinctorius, J. B. 796. Labelled Muscus marinus s. Alga tinctoria P. 1289. Fucus capillaris tinctorius, J. B. 796.* Two specimens of *Plocamium coccineum* Lyngb., and two of *Delesseria alata* Lamx.: probably a misplacement of specimens.
10. *F. humilis membranaceus acaulos elegantissimus ruber . . .* The specimen has a label in D. Stevens' writing. *Calliblepharis jubata* Kütz.
11. *F. dichotomos membranaceus e viridi flavescens . . .* Cited Sp. Pl. 1159 for *F. excisus* L. Four specimens of *Chondrus crispus* Stackh. f. *filiformis* Turn., the deep-water form. Also a second sheet of the same.
13. *F. humilis dichotomos . . . ceranoides . . .* Cited Sp. Pl. 1158. *Fucus ceranoides* L. *Gigartina mamillosa* J. Ag.
14. *F. purpureus humilis . . . D. Stevens. Labelled in his hand. Lomentaria articulata* Lyngb.
15. *F. purpureus tenuiter divisus non geniculatus.* 'Hunc Fucum cum praecedenti Rev. Viro D. Stevens Theologo & Botanico haud minoris notae, accepimus.' Labelled by Stevens, *F. Kali geniculato similis, non tamen geniculatus.*

I think this to be the plant. **Chylocladia kaliformis** Hook.

16. **F. marinus** scruposus albidus . . . A Bryozoan animal. **Flustra foliacea** L.
17. **F. marinus** scruposus albidus angustior . . . A Bryozoan. **F. securifrons** Pall.
18. **Alga spiralis** maritima major, Raii Syn. **Fucus Areschougii** Kjellm., broad form.
19. **A. spiralis** maritima Bocc. Tab. 38. ?**F. Areschougii** Kjellm., narrow form.

§ 4. *Fuci cauliferi longissimis foliis rectis & indivisis, latioribus.*

- 646, 1. **Fucus** latissimo crassoque folio, 3 C. B. Prod. Label in Sherard's hand. **Laminaria saccharina** Lamx.
2. **F. folio** singulari longissimo . . . 1 Raii Hist. **L. hieroglyphica** J. Ag.
3. **F. latissimus** et longissimus oris crispis. 'The curl'd sea belt.' **Saccorhiza bulbosa** De la Pyl.
4. **F. longissimo** latissimo tenuique folio, 4 C. B. Prod. **Laminaria digitata** Lamx.
- 647, 6. **F. arboreus** polyschides edulis, 1 C. B. P. The specimen is **Saccorhiza bulbosa** De la Pyl., but the description probably refers to **Alaria esculenta** Grev.

§ 5. *Fuci cauliferi foliis longissimis rectis angustioribus.*

- 647, 1. **F. marinus** sive **Alga marina** graminea, Park. 1292. **Zostera marina** L.
3. **F. sive Alga marina** angustifolia . . . 9 Raii Syn. **Z. marina** L. var. **angustifolia** Hornem.
4. **F. chordam** referens teres praelongus, 4 Raii Syn. The description refers, no doubt, to **Chorda Filum** (L.) Lamx., but the specimen is **Himanthalia lorea** (L.) Lyngb.
5. **F. longus** angusto crassoque folio, C. B. P. **Himanthalia lorea** (L.) Lyngb.
7. **F. spongiosus** teres ramosior . . . D. Stevens. Cited Sp. Pl. 1159. **F. elongatus** L. Labelled by Stevens: *It is of a spongy substance, a pleasant green colour, much resembling samphaire.* **Codium tomentosum** Stackh.
8. **F. spongiosus** teres viridis . . . D. Stevens. With a note by Stevens. **C. tomentosum** Stackh.
9. **F. teretifolius** humilis fistulosus, D. Stevens. **Asperococcus echinatus** Grev.

§ 6. *Fuci foliacei bullati ordinem dichotomum servantes.*

- 647, 1. **F. marinus** vulgatissimus . . . vesiculis donatis, nobis. **Fucus vesiculosus** L.

2. *F. marinus vesiculis* . . . nobis. Cited Sp. Pl. 1159. *F. nodosus* L. = **Ascophyllum nodosum** Le Jolis.
3. *F. sive Quercus marina* . . . Raii Syn. App. ? **A. nodosum** Le Jolis.
5. *F. bullatus frutescens* . . . Cited Sp. Pl. 1159. *F. divaricatus* L. = **F. vesiculosus** var. **divaricatus** Good. & Woodw.
6. *F. sive Alga marina angustifolia* . . . 3 Raii Syn. **Ascophyllum nodosum** Le Jolis, a narrow form.
7. *F. angustifolius vesiculis longis* . . . 17 Raii Syn. **Halidrys siliquosa** Lyngb.
10. *F. palmaris latioribus foliis* . . . **Fucus platycarpus** Thur., a small form.
11. *F. palmaris platyphyllos* . . . **F. platycarpus** Thur., a form with inflated apices.
12. *F. palmaris angustifolius* . . . nobis. Three sheets. **Pelvetia canaliculata** Decne. & Thur.
13. *F. folliculaceus serrato folio*, 10 C. B. P. *Sargasso. v. D. Pl. Alm. 161.* **Sargassum bacoiferum** C. Ag.

Also a second sheet of specimens of *Sargassum* which may represent Nos. 14, 15, and 16.

- 648, 17. *F. Abrotonoides vesiculis parvis*. . . 'Hunc Rev. D. Stevens collegit et nobis misit.' **Cystossira fibrosa** C. Ag.: on the same sheet a specimen of *Desmarestia aculeata* Lamx.

§ 7. *Fuci foliacei non bullati ordinem dichotomum servantes.*

- P. 648**, 1. *F. sive Alga latifolia major dentata*, 3 Raii Hist. Cited Sp. Pl. 1158. **Fucus serratus** L.
2. *F. frutescens foliis ex angustis* . . . dilatantibus. Two sheets. **F. ceranoides** L.
 4. *F. tenuifolius foliis dentatis*, 4 Raii Hist. et Syn. Cited Sp. Pl. ed. ii. 1632. *F. aculeatus* L. = **Desmarestia aculeata** Lamx., winter state.
 5. *F. gramineus foliis minoribus* . . . D. Newton. *D. Newton Aug. 22*, [16]92. **D. ligulata** Lamx.

§ 8. *Fuci aphylli, viticulis foliis nudis, seu chordas musicas referentibus, donati.*

- 648**, 1. *F. marinus ceranoides cornu cervi*. . . A drawing representing, probably, **Gorgonia verrucosa** L., a Zoophyte.
2. *F. parvus aphyllus ramosus subflavus*. . . ? **Apophloea Lyallii** Hook. & Harv.
 3. *F. parvus aphyllus in orbem expansus*. . . *Barbadoes.* **Gymnogongrus furoellatus** (Ag.) J. Ag.

4. *F. parvus segmentis praelongis* . . . 10 Raii Hist. Two sheets.
Furcellaria fastigiata Lamx. Also *Polyides rotundus*
Grev.
- 649, 9. *F. palmaris tenuis in orbem expansus* . . . nobis. Two sheets.
Cited Sp. Pl. ed. ii. 1631. *Fucus fastigiatus* L. = **Furcellaria fastigiata** Lamx. (with antheridia).
10. *F. trichoides nostras aurei coloris* . . . D. Pluk. Tab. 184.
Polyides rotundus Grev.
On the same sheet is a denuded stem of *Delesseria sanguinea*.
11. *F. sive Alga lenta capillacea pallida*. . . **Ahnfeltia plicata**
Fr.: on the same sheet *Gelidium corneum* Lamx.
A second sheet with a specimen of *Ahnfeltia* from
Stevens.
12. *F. Indicus teres* . . . D. Pluk. t. 184. 3.
This was given by Mr. Dyer who had it from Dr. Rois who brought it from London saying that it came from China growing in the sea: he had a scaine of it 2 yards & halfe long. Dr. Roys had it from Mr. Willmore a Factor of ye East Ind. Comp. who hath seen it growing in the sea either in China or the Indies. Pluk. Alm. 160. Not an Alga, a horny axis of some Zoophyte.
13. *F. setaceus niger longissimus non ramosus*. **Chordaria flagelliformis** C. Ag.
14. *F. marinus ferulaceus in longiora capillamenta ramificatus, nobis*. **Polyisiphonia elongata** Grev.
15. *F. marinus ferulaceus in breviora capillamenta divisus*.
Gracilaria confervoides Grev.
On the same sheet are two specimens of *Ceramium rubrum* C. Ag. Dawson Turner considered *Gracilaria* to be meant.
16. *F. fruticosior filamentis ramulis crassiusculis adhaerentibus*.
Halopithys pinaestroides Kütz.
Also a sheet of *Cystoclonium purpurascens* Kütz., and another of *Cystoseira granulata* (L.) Ag., to which the description does not apply.
17. *F. Cupressinus Imperati* J. B. **Cystoseira ericoides** J. Ag.
18. *F. Tamaraciola* . . . J. B. 800. A dense form in fruit.
C. ericoides J. Ag.
19. *F. foliis Ericae* . . . J. B. 799. On the same sheet as No. 17.
An imperfect specimen resembling *C. amentacea* J. Ag., but is probably only a form of *C. ericoides*, as *C. amentacea* is a Mediterranean species.

CAPUT XLIX. **Muscus marinus.**§ 1. *Musci marini capillis longioribus.*

- P. 649, 1. *Muscus marinus capillaceus multifidus niger*, 2 C. B. P. *Polysiphonia fastigiata* Grev.

§ 2. *Musci marini capillis brevioribus.*

- 650, 1. *Muscus maritimus viridis multifido folio*, 3 C. B. P. *Cladophora utriculosa* Kütz.
 2. *M. capillaris brevior aliis adhaerens albus*. A Zoophyte. ? *Crisia* sp.
 6. *M. hirsutus flagellis longis*. . . . 'A D. Stevens, in litore Cornubiensi collectam.' *Cladostephus verticillatus* C. Ag.
 7. *M. . . . hirsutus flagellis longioribus rarius divisus ruber*. *Halurus equisetifolius* Kütz.
 On the same sheet is a small piece of *Cladostephus spongiosus* C. Ag.

§ 3. *Musci marini pennati, non scruposi.*

No specimens.

§ 4. *Musci marini scruposi sive coralloides, pennati.*

All Zoophytes.

- 650, 1. *Muscus maritimus Filicis folio*, C. B. P. *Sertularia abietina* L.
 2. *M. maritimus pennatus ramulis . . . falcatis*, Raii Hist. *Plumularia falcata* Lam.
 4. *M. marinus denticulatus . . .* Raii Hist. et Syn. *Sertularia argentea* Ell. & Sol.

§ 5. *Musci marini scruposi non pennati.*

All Zoophytes.

- 650, 1. *M. . . . major argute denticulatus*, 16 Raii Hist. *Sertularia operculata* L.
 2. *M. . . . lendiginosus minimus arenacei coloris*. *S. pumila* L.
 3. *M. . . . denticulatus . . . bijugis*, Raii Hist. *S. operculata* L.

§ 6. *Musci marini Corallinis affines geniculati.*

- 651, 1. *Corallina opuntioides ramulis densioribus . . .* D. Sloan. *Ex Ins. Barb. & Mevis* (Nevis). *Halimeda Opuntia* Kütz.
 4. *Muscus maritimus sive Corallina officinarum*, C. B. P. *Corallina officinalis* L.
 5. *M. marinus candidus coralloides*, Hist. Lugd. 1368. *Jania rubens* Lamx. and *Corallina squamata* Ellis.

7. *M. Corallinae in modum articulatus* . . . Raii Hist. *Jania rubens* Lamx.
9. *Corallina muscosa* . . . spermophoros, Petiverii. On the same sheet as No. 7. *Corallina mediterranea* Aresch. Dillenius labels it Syn. iii. p. 33. n. 2.
13. *Corallina fistulosa fragilis posterior*, J. B. 811. (*Lady Tyrrell*.) *Galaxaura umbellata* Kütz.
15. *C. fistulosa flexilis sive Corallina* . . . D. Pluk. 168. 4. *Ex Ins. Barbadiense et Nevis*. On the same sheet as No. 13. *Galaxaura obtusata* Kütz. var. *oblongata* J. Ag.

CAPUT L. Coralloides frutices lignosae, non reticulatae.

The Nos. represented by specimens are: 1, 2, 5, 15, 19, which are all Zoophytes of the genus *Gorgonia*: 17, which appears to be a fragment of a Phanerogam: 18, which is a Zoophyte, probably *Antipathes*.

CAPUT LI. Coralloides frutices flabelliformes, reticulati.

- P. 652, 1.** *Corallina reticulata plana purpurascens*, Park. 1298.
 2. *Frutex flabelliformis cortice verrucoso obductus*, Raii Syn. App.

These are specimens of Sea-Fans (*Gorgoniidae*).

CAPUT LII. Spongia.

There are specimens of Nos. 4, 10, 17, representing various species of Sponges.

There are no specimens relating to the following capita :

CAPUT LIII. Alcyonium.

CAPUT LIV. Androsase sive Fungus petraeus marinus.

CAPUT LV. Corallum sive Corallium.

CAPUT LVI. Pori Coralliis affines, sive Corallia porosa.

The following specimens of Algae are not mentioned in the *Historia*. The names and references on the sheets are sometimes those given by Dillenius, indicated by D.

1. *Muscus marinus hombycinus*. E Scotia D. Urree. H. Ox. p. 649, no. 2, sed non est vera planta (D). Three specimens, of which two are *Cladophora rupestris* Kütz., and one is *C. arcta* Kütz.
2. *Fucoides 2*, Syn. iii, p. 38 (D). *Plumaria elegans* Schm.

3. *Fucus* 16, Syn. iii, p. 44 (D). Two specimens are *Gigartina mamilliosa* J. Ag.; one is *Chondrus crispus* Stackh.; and another is *Phyllophora membranifolia* J. Ag., in fruit.
 4. 1, Syn. iii, p. 37, no. 1; 2, H. Ox. iii, p. 646, n. 15 (D). Both are *Delesseria alata* Lamx., no. 1 being a narrow form. Dillenius' identification with the plant in the *Historia* is incorrect, for 646, 15 is *Chylocladia kaliformis* Hook.
 5. *Fluviatilis Pisana foliis dentatis*, J. B. *Naias marina* L.
 6. *F. ovalis* or *sedoides*, Stackhouse. (Name more modern than Dillenius.) *Chylocladia ovalis* Hook.
 7. *Fucus serratus fruticosior angustifolius Lusitanicus Tournefortii*, D. Sher. Bleached specimen and drawing. *Desmarestia aculeata* Lamx.
 8. An 20 H. Ox. ? (p. 649, D). *Muscus marinus cupressiformis*. *Cupressus marina* P. 1302. *Stypocaulon scoparium* Kütz.
 9. *Quercus marina* an *Fucus arborescens polyschides*, J. B. *Gigartina mammillosa* J. Ag. (young specimen).
 10. Syn. iii, p. 34, n. 4 (D). *Jania rubens* Lamx.
 11. *Corallina* Hisp. capillaceo folio purpurascente, Salvadore. 'I take these 2 to be different growths of the same, i. e. ye right and left.' The right specimen is *Jania rubens* Lamx.; the left, *Corallina virgata* Zanard.
 12. *Corallina* Barcinon. minor apicibus forte spermophoris, nobis. Syn. iii, p. 33, n. 2 (D). *Corallina officinalis* L. var. δ J. Ag., and *C. squamata* Ellis.
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The following is Bobart's enumeration of trees and shrubs printed from the MS. mentioned in the Introduction (p. lxii). An asterisk prefixed to a name indicates that there is a corresponding specimen in the Herbarium.

The modern names have been determined as far as possible. The prefix 'cit.' to a modern name indicates that the determination is based, not on a specimen, but upon the authority of the citation of the pre-Linnean name by Linnaeus or some subsequent botanist. Linnean citations refer to the first edition of the *Species Plantarum*, unless otherwise stated. MS. notes on the sheets are printed in italics.

ARBORES ET FRUTICES

ARBORES CONIFERAE ET RESINIFERAE SEMPER VIRENTES.

1. *Cedrus magna* sive *Libani*, conifera, Joh. Bauch. Tom. 1, 277. *Cedrus conifera* foliis *Laricis*, Casp. Bauh. Pin. 490. *Larix Orientalis* fructu rotundiore obtuso, Tournefort. Cit. *Pinus Cedrus* L., 1001 = *Cedrus Libani* Barrel.
- *2. *C. conifera* *Juniperinis* foliis racemosa, conis candicantibus parvis, ex Promontorio Bonae Spei, sive *Oxycedrus Africana* conophoros, Pluknet Phytograph. Tab. 275, 2. Et *Larix conifera* ejusdem. Tab. 245. *Non est planta Pluk. sed forte Pini sylvestris, aut forte sativae planta junioris rami.* The specimen appears to be *Picea excelsa* Link.
3. *Abies* mas *Theophrasti*. *Picea major prima*, sive *Abies rubra*, C. B. P. *Picea Latinorum* sive *Abies mas Theophrasti*, J. B. 1, 238. *Abies tenuiore folio fructu deorsum inflexo*, Tourn. Cit. *Pinus Abies* L., 1002 = *Picea excelsa* Link.
4. *A. mas* conis sursum spectantibus, C. B. P. *Abies foemina*, sive *ἐλάτη θήλεια*, J. B. 1, 231. *Abies Taxi* folio, fructu sursum spectante, Tourn. Cit. *Pinus Picea* L., 1001 = *Abies pectinata* DC.
5. *A. minor* et humilior *Taxi* foliis conis sursum spectantibus.
- *6. *A. minor pectinatis* foliis *Virginiana* conis parvis subrotundis, Pluk. Phyt. Tab. 121, 1. Cit. *Pinus Balsamea* L., 1002 = *Abies balsamea* Mill. : but the imperfect specimen seems to be *Tsuga canadensis* Carr.
7. *Pinus sativa*, C. B. P. 491. *Pinus ossiculis duris*, foliis longis, J. B. 1, 248. *Pinus sativa* sive *domestica*, Ger. Cit. *Pinus Pinea* L., 1000.

8. *P. sylvestris*, C. B. P. *Pinus sylvestris vulgaris Genevensis et Taeda*, J. B. 1, 253. *Pinaster sive Pinus sylvestris Hispanicus major*, Clus. Cit. ***P. sylvestris*** L., 1000.
9. *P. Virginiana tenuifolia triplis sive ternis plerumque ex uno folliculo setis, strobolis majoribus*, Pluk. *Almagest*. p. 279. *Arbor Thurifera nostratibus vulgo, the Frankincense tree*. Cit. ***P. Taeda*** L., 1000.
10. *P. sylvestris foliis brevibus glaucis, conis parvis albertibus*, Raii *Hist.* 1401. *Abies Scotica perperam nostratibus dicta, the Scotch Fir*. ***P. sylvestris*** L.
- *11. *P. sylvestris maritima conis firmiter ramis adhaerentibus*, J. B. 1, 245. *Pinus sylvestris altera maritima*, Lob. *Obs.* *Pinus maritima major*, C. B. P. 292. ***P. halepensis*** Mill.
 On the same sheet is a specimen labelled *Pin. fruct. duro acuto biunciale fusco*.
 On another sheet is a specimen labelled *Pinus e Virginia*.
- *12. *P. Virginiana praelongisfoliis tenuioribus, cono echinato gracili*, Pluk. *Alm.* 297. ? ***P. echinata*** Mill.
- *13. *P. Hispanica Laricis aut Cedri Palestinae facie, setis brevioribus per intervalla confertis*, Pluk. *Alm.* 297. *An Pinus maritima Theophrasti Lobelio*, J. B. 258 ? ? ***P. montana*** Mill.
14. *Cupressus*, C. B. P. J. B. Park. *Cupressus ramis in metae fastigium convolutis foemina*, H. Leyd. *Cupressus foemina*, Dod. Cit. ***Cupressus sempervirens*** L., 1003.
15. *C. fusca sive mas. Cupressus ramis expansis mas*, H. Leyd. *Cupressus mas*, Matth. *Cupressus ramos extra se spargens*, Tourn. Cit. ***C. sempervirens*** β L., 1003.
- *16. *C. Virginiana foliis Acaciae deciduis*, Hort. Lugd. Bat. *Cupressus Virginiana foliis Abietis mollibus atque deciduis*, Breyn. *Prod.* 2. 39. Cit. *C. disticha* L., 1003 = ***Taxodium distichum*** Rich.
- *17. *Cupresso-pinnulus Capitis Bonae Spei*, Breyn. *Cent.* p. 22, cap. 10. *E. Collect. Petiver. Ad Clar. D. Jac: Bobart.* ***Brunia nodiflora*** L., 199.
18. *Arbor vitae*, Park. *Arbor vitae sive Paradisea vulgo dicta odorata, ad Sabinam accedens*, J. B. *Thuja Theophrasti*, C. B. P. ***Thuja occidentalis*** L.

ARBORES CONIFERAE FOLIIS DECIDUIS.

19. *Larix folio deciduo conifera*, J. B. 1, 265. *Larix* C. B. P., Dod. *Pempt.* Cit. *Pinus Larix* L., 1001 = ***Larix europaea*** DC.
20. *Alnus vulgaris*, J. B. 1, 151, Park. *Alnus rotundifolio glutinosa viridis*, C. B. P. 428. Cit. *Betula Alnus* L., 983 = ***Alnus glutinosa*** Medic.

- *21. *Alni foliis Americana serrata, floribus pentapetalis albis in spicam dispositis*, Pluk. Tab. 115, 1. Three sheets, two from *Chelsey*, are *Clethra alnifolia* L. A fourth sheet is *Prunus serotina* Ehrh.
22. *Tulipifera Virginiana tripartito Aceris folio, media lacinia velut abscissa*, Pluk. Tab. 117, 5. *Arbor Tulipifera Virginiana Aceris majoris folio, conis erectis*, Raii Hist. Cit. *Liriodendron Tulipifera* L., 535.
23. *T. caroliniana foliis productioribus magis angulosis*, Pl. T. 68. Cit. **L. Tulipifera** β L.
- *24. *T. Virginiana Laurinis foliis, aversa parte rore caeruleo tinctis, combaccifera*, Pluk. Tab. 68. *Laurus Tulipifera baccis rubellis cono erecto inclusis*, Banister Cat. Virgin. **Magnolia glauca** L.
25. *Betula, C. B., J. B., Ger., Park.* Cit. **Betula alba** L., 982.
26. *B. foliis acutioribus profundius dentatis.* **B. alba** L. var.
27. *Leucodendros Africana arbor tota argentea sericea foliis integris*, Pluk. Tab. 205. *Argyrodendron Africanum, Herman. Argyrodendros Afric. foliis sericeis et argenteis*, Hort. Amstel. p. 51. Cit. **Protea argentea** L., 94.
- *28. *Conophoros Cap. Bonae Spei folio in summo dentato*, Mus. Petiver. 172. **Leucospermum conocarpum** R. Br.
- *29. *C. Cap. Bon. Spei Lauro-cerasi folio angustiore*, Mus. Pet. 171. **Aulax pinifolia** Berg.
- *30. *C. Cap. Bon. Spei Oleae angustiore folio*, Mus. Pet. 174. **A. cneorifolia** Knight.
31. *Arbor venenata conifera Fraxini foliis.* *Chelsey.*

ARBORES GLANDIFERAE FOLIIS DECIDUIS.

32. *Quercus latifolia quae longo est pediculo, C. B. Quercus vulgaris longis pediculis, J. B. Vulgaris, Ger. Quercus Robur L. = Q. pedunculata Ehrh.*
Eadem foliis variegatis.
Eadem foliis omnino albidis.
33. *Q. vulgaris, quae brevi est pediculo, C. B. Quercus vulgaris brevibus pediculis, J. B. Q. Robur L. var. sessiliflora = Q. sessilis Ehrh.*
- *34. *Q. parva sive Phegus Graecorum et Esculus Plinii, C. B. Phegus vel Esculus, J. B. Park. Q. Esculus L.*
- *35. *Q. foliis molli lanugine pubescentibus, C. B. Robur 1, Clus. Hist.*
36. *Q. gallam exiguae nucis magnitudine ferens, C. B. Robur 3, Clus. Hist. 18 J. B.*
- *37. *Cereus [Cerrus], Clus. Hist. 20. Note on sheet by Dillenius 'Est potius Quercus vulgaris brevibus pediculis J. B.'* The name

- suggests *Q. Cerris* L., but the specimen appears to be *Q. Ilex* L.
- *38. *Quercus esculi* divisura foliis amplioribus aculeatis, Pluk. Tab. 54, 4. *Q. rubra* L.
- *39. *Q. Virginiana* rubris venis muricata, Pluk. Tab. 54, 5. *Scarlet Oke. Q. rubra* β L.
- *40. *Q. pumilis* Castaneae foliis Virginensis, Pluk. Alm. p. 309. The Chinquapin Oake. *Castanea pumila* Mill.
41. *Q. Virginiana* tuberosa venis rubris. *Ilex aculeata* sanguineis venis radicibus tuberosis, Pluk. Tab. 196, 4. Probably *Q. virginiana* Mill.
- *42. *Q. Salicis* foliis. *Jasminum Virginianum* ab Incolis dict. *Q. Phellos* L.
43. *Q. magno calyce*, Clus. exot. J. B. è Virginia. ? *Q. Catesbaei* Mich. (The Turkey Oak.)
44. *Q. magna* Virginiana fructu Juglandis. ? *Q. macrocarpa* Mich.
- *45. *Haliphlaeos*, sive *Cerrus foemina* minore glande, Park. 1388. *The female bitter oake. Leaves of the Royall Oke given by the Ld. Falkland and Mr. Baber. Nov. 5, 72. Q. sessilis* Ehrh.
- On the same sheet is another specimen labelled *The Virginia Oake or Pokikeor* (?) *yat beares a fruite like a wallnut. From Broome Wharwood esq., the great Oake of Virginia, June 24. 1674. See No. 44.*

ARBORES GLANDIFERAE SEMPER VIRENTES.

- *46. *Ilex aculeata* cocci glandifera, C. B. P. 425. *Ilex coccigera*, J. B. 1, 106. *Coccus infectoria*, Lob. Icon. 153. *Quercus Coccifera* L.
- *47. *I. arborea*, J. B. 1, 96. *Ilex oblongo serrato folio*, C. B. P. 424. *Ilex angustifolia*, Tab. *Q. Ilex* L.
- *48. *I. folio rotundiore molli modiceque sinuato*, sive *Smilax Theophrasti*, C. B. P. 425. *Ilex major*, Clus. Hist. 23. *Q. Ilex* L.
- *49. *I. aculeata* foliis nigris amplissimis, Pluk. Tab. 197, 1. *Q. sp.*
- *50. *I. Caroliniensis* longis et angustis foliis spinis ad oras rarioribus, Pluk. Alm. p. 198. Forte *Ilex aculeata* baccifera arborea minus ferax *Virginiana Banisterii. Q. Banisteri* Michx. = *Q. nana* Sargent.
- *51. *I. Americana* Phillureae angustifoliae facie, ex Terra Mariana, medio folii nervo in pinnulam abeunte, Cat. Virgin., Pluck. Mantiss. p. 108. *Q. Phellos* L.
- *52. An *Ilex* foliis Agrifolii Americana, Pluk. Tab. 196, 3? Forte *Agria* sive *Aquifolia glandifera* Anguill., J. B. *Ilex opaca* Ait. = *I. quercifolia* Meerb.

A small specimen attached to the same sheet and labelled *The calyx of this acorn is pretty large and prickly*, is **Quercus Coccifera** L.

- *53. An *Ilex* sive *Phellodryis foliis muricatis*, C. B. P. *Phellodryis foliis muricatis calyce glandis echinato*, Hist. Lugd. ? *Ilex opaca* Ait. = **I. quercifolia** Meerb.
- *54. *Ilicis facie foliis majoribus leviter aculeatis*, e Madraspatan, Pl. Tab. 196, 5. **Quercus** sp. ?

ARBORES NUCIFERAE FRUCTU INVOLUTO.

55. *Nux Juglans*, J. B. 1, 241. *Nux Juglans* sive *Regia vulgaris*, C. B. P. 417. Cit. **Juglans regia** L., 997.
56. *Nux Juglans Virginiana* major fructu rotundo cortice crasso, sulcato, tuberculis exasperato nigro, Pluk. Alm. p. 264. *Nux Juglans nigra Virginensis*, Park. *Nux Juglans Virginiana nigra*, H. Leyd. Cit. **J. nigra** L., 997.
57. *Nux Juglans Virginiana foliis vulgari similis*, fructu subrotundo cortice duriore laevi, Pluk. Alm. *Nux Juglans Virginensis alba*, Park. The Hickery Nut. Cit. **J. alba** L., 997 = **Hicoria alba** (L.) Britton.
58. *Nux Juglans Virginiana alba minor*, fructu *Nucis moschatae* simili, cortice glabro, summo fastigio veluti in aculeum producto, Pl. Tab. 309, 2. Plukenet's drawing is a good one and probably represents **H. minima** (Marsh.) Britton.
59. *Nux Juglans Virginiana minor alba*. *Pignut* ab Incolis dicta. **H. glabra** (Mill.) Britton.
- *60. *Nux Curassavica foliis minoribus*, Par. Bat. Prod. H. R. Par. 58 ? ? **Spondias** sp.
- *61. *Nux Americana costa foliorum appendicibus aucta*, Pluk. Tab. 207, 4. **Limonia acidissima** L.
62. *Nux Americana foliis alatis bifidis*, P. B. P. *Tackboom* Belgis. Cit. **Sapindus Saponaria** L., 367.
- *63. *Nux Laurifolia serrata*, Hort. Reg. Hampt. 60.
- *65. *Nux Zeylanica folio multifido digitato, flore merdam olente*, Telabo Zeylonensium, Pluk. Tab. 208, 3. Alm. p. 266, 3. *Barbadoes H. Comp.* Cit. **Sterculia foetida** L., 1008.
- *66. *Nux ex La Vera Cruce*, Fagel. Carbon impression only.
67. *Nux Been Zeylanica siliqua triangula seminibus alatis*, H. Leyd. App. 692.
- *68. *Nux moschata ex surinama*. *Noot muscat boom*. ? **Litsea** sp.
69. *Cacao Americae sive Avellana Mexicana*, J. B. *Amygdalae similis Guatimalensis*, C. B. *Cacao sive Cacavate*, Park. Cit. **Theobroma Cacao** L., 782.
- *70. *Arbor Indiae Piryfolia fructu Nucis moschatae simili tricapsularis*, Pluk. Mantiss. p. 23, 2, Tab. 336. Kattakai Malab.

- *71. *Castanea sativa*, C. B. P. 418. *Castanea*, J. B. 1, 121. *Fagus Castanea* L., 997 = *Castanea sativa* Miller.
- *72. *C. pumila Virginiana* racemoso fructu parvo in singulis capsulis echinatis unico, Banist., Pluk. Alm. 90. *F. pumila* L., 998 = *C. pumila* Mill.
- *73. *C. Americana* foliis aversa parte argentea lanugine villosis, Pluk. Tab. 156, 2. *F. pumila* L., 998 = *C. pumila* Mill.
 'A second sheet, with a note by Dillenius *non est sed Fustic-wood*, is *Chlorophora tinctoria* Gaudich.
- *74. *C. Chusan* folio fere serrato subtus glauco, Act. Philosoph. No. 286. Pet. *Chusan* 66.
- *75. *C. equina* folio multifido, J. B. Folio multifido, C. B. **Aesculus Hippoastanum** L.
- *76. *C. folio multifido serrato*, humilior, flo. rubentibus racemosis. **Ae. flava** Ait.
- *77. *Fagus*, C. B. P., Ger., Park. *Fagus* Latinorum, *Oxya* Graecorum, J. B. 117. A seedling plant attached labelled *First leaves. Ferula. Eadem est in Libro sicco in Bibliotheca Bodleiana. Fagus sylvatica* L.
 Eadem foliis variegatis. **F. sylvatica** L. forma *variegata*.
 Eadem foliis candidis. Found by Mr. Thorp of Un. Coll. in *Stokench. woods, 1702. F. sylvatica* L. forma *alba*.
- *78. **F. Fagus Mariana** Carpini rugosis foliis, Pluk. Mantiss. p. 74. *F. americana* Sweet = **F. ferruginea** Aiton.
- *79. *Orleana* sive *Orellana* folliculis lappaceis, H. Leyd. H. Amst. p. 65. Pluk. Tab. 209, 4. *Urucu Brasiliensium*, Pis. Achiotl, Recchi. *Bixa Oviadi*, C. B. Clus. *Daburi* folliculus *Americanus*, Chab. p. 94. J. B. Tom. 1, part 2, 439. *Arbor Mexicana fructu Castaneae*, C. B. P. *The Anata seed . . . The rough hairy or prickly cods of a brownish red colour containe seeds of almost triangular forme of a crimsonish red colour wherwth the natives colour chocolate, and use it alsoe in dyeing. . . Bixa Orellana* L., 512.
80. *Corylus sativa* fructu albo minore, sive vulgaris, C. B. P. *Corylus sativa*, J. B. 1, 266. Eadem venis foliorum elegante auratis. Cit. **Corylus Avellana** L., 999.

ARBORES NUCIFERAE FRUCTU NUDDO.

81. *Laurus Americana* sive *Persea*, Clusii. Cit. *Laurus Persea* L., 370 = **Persea gratissima** Gaertn.
- *82. **L. Indica** Farnesiana Aldini. *Laurus Indica* sive *Americana* Ferrarii. *Laurus Regia*, H. R. P. **Machilus** sp.
83. *L. vulgaris*, C. B. P. 460. *Laurus media* baccifera, Vorstii. **Laurus nobilis** L.
84. *L. major* odorata *Canariensis*. ? **Persea indica** Spreng.

- *85. *L. vulgaris* foliis undulatis longissimis, Breyn. Prod. 2. **Laurus nobilis** L.
86. *L. Americana* ossiculo duro Barbadiens. The Mastick tree. ? **Bursera gummifera** L.
- *87. *L. Azorica* pallidioribus et latioribus foliis inodora, Pluk. T. 199, 3. **Persea azorica** Seubert.
- *88. *L. aromatica* Barbadiensium. An Xocoxochitl, sive Piper Tavasci, Hernand. Lauri facie. Arbor venustissime venosis foliis, lacte turgens, Pluk. Tab. 199, 6 ? (see 94). **Eugenia** sp.
89. *L. Madrasp.* Canellae albae foliis, Pet. Phil. Transact., Junii 1700. Pungally.
- *90. *L. odorata* Stapelii. *Herman.* Carbon impression. ? **Myrioa** sp.
91. Swamp Bay Tree. A name for **Persea pubescens** Sarg., Silva N. Am. vii.
- *92. *Laurus folio* longiore, flore hexapetalo, racemoso, fructu humidiore, D. Sloan. Cat. Jam. 136. Sweet-wood, a tree as big as an Apple tree. Barbadoes. **Nectandra Willdenoviana** Nees.
- *94. Lauri facie arbor venustissime venosis foliis, lacte turgens ? è Barbadoes. Pluk. Tab. 199, 6 (155, 3). **Eugenia** sp.
95. *Styrax* sive *Storax*, C. B. P. *Styrax arbor vulgaris*, Park. 1529. ? **Liquidambar styraciflua** L.
- *97. *Sideroxylum Africanum* lignum ferrea duritie folio oblongo, lignum ferreum P. B. P., Pluk. Tab. 223, 6. ? **Olea** sp.
- *98. *Sideroxylum Africanum* Cerasi folio, H. Amst. Part 1, p. 197. **Noltea africana** Reich.
- *99. Arbor Laurifolia Indiae Orient. comantibus floribus et fere corymbosis, Pluk. Tab. 142, 1. An Arbor Laurifolia Chinensis Martini ? *Mango*. ? **Mangifera sylvatica** Roxb.
100. *Pistacia*, Ger., J. B. Nux Pistacia, Park. *Pistacia peregrina* fructu racemose, sive *Terebinthus Indica* Theoph. C. B. P. Cit. **Pistacia vera** L., 1025.
- *101. *Camphorifera arbor* ex qua *Camphora Officinarum*, H. Lugd. Arbor *Camphorifera Japonica*, Breyn. Cent. 1, et Prod. Arbor *Camphorifera Japon.* foliis Laurinis, fructu parvo globoso, calyce brevissimo, Hort. Amst. p. 189. **Cinnamomum Camphora** T. Nees & Eberm.
- *102. *Cinamomum legitimum* Officinarum. *Cassia Zeylanica* ex qua *Cinamomum*. *Canella Zeylanica*, C. B. P. **C. iners** Reinw.
- *103. *C. sylvestre* odore Myrrhae, Herman. *Cassia Cinamomea Myrrhae* odore, folio trinervi subtus caesio, Pluk. Alm. p. 89. *Nikadawula*. *Neolitsea zeylanica* Merr. = **Litsea zeylanica** Nees.
104. *Cassia Cinamomea* sive *Cinamomum sylvestre* Barbadiensium. Arbor baccifera fructu calyculato tetragono folio enervi, Pluk.

Alm. p. 89, Tab. 160. 7. Cit. *Laurus Winterana* L., 371 = **Canella alba** Murr.

105. *Arbor Canellifera Javanica* cujus cortex forte Macer Javanis, Breyn. Fascic.
106. *Malabathrum et Folium Indicum Officinarum*, J. B. Tamalathrum sive Folium, C. B. *Cassia Cinamomea sylvestris* pigrior *Malabarica*, Pluk. Alm. *Arbor Canellifera Malabarica* cortice ignobiliore cujus folium *Malabathrum*, Breyn. Prod. 2, p. 18. **Cinnamomum Malabathrum** Miq.

ARBORES PRUNIFERAE FOLIIS DECIDUIS, SIVE NUCLEIFERAE,
FRUCTU FLOREM INSIDENTE, PULPA MOLLI
OSSICULUM AMBIENTE.

- *107. *Prunus sativa*, C. B. P., J. B. ***Prunus domestica*** L.
- *108. *P. sylvestris major*, J. B. *Pruna sylvestris praecocia*, C. B. ***P. institia*** L., ed. ii. 680.
- *109. *P. Virginiana acutiore folio serrato*. *P. Virginiana fructu luteo rubello acerbo vix eduli, et compresso*, Pluk. Tab. 216, 7. *A Virginia Plum, Fulham*. ? ***P. americana*** Marsh.
- *110. *P. Zeylanica spicato flore*. Weralu, D. Herman. ***Elaeocarpus serratus*** L.
- 110a. *P. Zeylanica spinosa major*.
- *111. *P. Zeylanica longiore folio spinosa*, P. B. P., H. R. H. 131. ***Zizyphus*** sp.
112. *P. sylvestris cortice albicante punctatis foliis Americana*, Pluk. Tab. 216, 8. *White Plum Barbadiensibus dicta*.
113. *P. Malabarica fructu racemoso calyce excepto*, Raii Hist. 1563. *Vidimaram*, H. Mal. Part 4, Tab. 37.
- *113a. *P. Javanica Atriplicis folio*, Commelin, H. Amst. p. 143. *Kakousa Javanis*, H. Beaumont, Pluk. Tab. 218, 2.
- Two sheets; one *ex Horto D. Comelyn Amstelodamens.*, the other *Arbor Amer. Quercinis foliis angustioribus, Cat. H. Hampt. 103*; both are probably species of **Allmania**.
- *114. *P. pentaphyllos Malabarica fructu calyci insidente* Raii, Pluk. Tab. 218, 2. *Karyl, H. Mal., H. R. H. 27*. Cit. *Fl. Zeyl.* p. 166, ***Sterculia foetida*** L.
- *115. *Maiden Plum of America*. ? ***Comocladia integrifolia*** Jacq.
- *116. *White Plum tree of Barbadoes is a large tree wth leaves longer & larger than ours, it hath good fruit to eat: severall sorts*. Three sheets; ***Spondias lutea*** L.
- *117. *Prunifera Americana Laurifolia, diphyllous Glycoxylum, i. e. sweet wood*. ***S. lutea*** L.
118. *Plum tree leaves*. St. Christophers.

119. Prunifera Fago similis arbor Gummi elemi fundens, fructu figura et magnitudine Olivae, ex Ins. Barbadiens., Pl. Tab. 217, 4.
120. P. sive Nucifera Malabarica folio Nymphaeae, fructu rotundo cortice pulvinateo, Raii Hist. 1525. Pena, H. Mal. Part 4, T. 38. Cit. Fl. Zeyl. p. 90, *Calophyllum Inophyllum* L.
- *121. Mirobolanus Bellerica, Dale, p. 444. 4. S. B. 6, 277. *Terminalia Bellerica* Roxb.
122. M. citrina et nigra officinar., Dale, 443. S. B. 6, 227. *T. citrina* Roxb.
- *123. Prunus sebestena. Namurra maram. Vidimaram species, D. Du Bois. ? *Cordia Myxa* L.
- *124. P. Sebestena Matth., Hist. Lugd. Sebestena domestica, H. Amst. p. 139. Sebestena domestica subrotundo folio, an [*δουμαξίς*] Athenaeo, C. B. P. Sebestena domestica, Prosp. Alp. de Plant. Aegypt. Mixta domestica sive Sebesten, J. B. *Pluk.* 217. 2. *Cordia Myxa* L.
- *125. P. Sebestena. Namurra maram. 1701. Vidimaram species. Sent from Fort St. George by Dr. Edw. Bulkley 1701. ? *C. Myxa* L.
- *126. Sebestenae similis Curassavica.
127. Arbor prunifera sphaerulas saponarias ferens tetraphylla, ex India Orientali, *Pluk.* Tab. 14, 6.
- *128. Saponaria arbor Zeylanica trifolia semine Lupini, P. B. P. Conghas Zeylonensibus. Carbon print only. *Schleichera trijuga* Willd.
- *129. S. sphaerula arbor, Lugd. Nuculae saponariae non edules, C. B.
- *130. Armeniaca malus major, Ger., J. B., C. B. *Prunus Armeniaca* L.
- *131. A. malus minor, Ger., C. B. Armeniaca mala minora, J. B. P. *Armeniaca* β L.
- *132. A. malus foliis in acutam mucronem productis. Pusey. An interesting variety (Gamble).
- *133. Malus Persica, J. B., Ger., Park. *Amygdalus pereica* L.
- *134. Persica dura carne candida, aliquando ex albo subrubente, Item carne lutea, C. B. Persica Hispanica Melocotonea quorundam, J. B. ? *A. persica* L.
- *135. Malus Persica dilaceratis foliis et veluti circumrosis Virginiana, *Pluk.* Tab. 204, 1. Ex Horto Comptoniano. *Putta taeny. Kattappers, Pluk. Mantiss. p. 12. Amygdalus Indica s. Adamaram, H. Mal. Part 4, Tab. 15. A. persica* L. var. ?
- *137. M. Persica maxima foliis rotundioribus splendidibus glabris, fructu maximo, scabro, rugoso, subrotundo, pulpa dura sublutea, unum aut plura ossicula filimentosa cingente, D. Sloan. Cat. Jam. 179. Arbor Indica Juglandi similis, seu Mamei dicta, C. B. P. 417. Mamay arbor, J. B. Tom. I, 172. Wild Mamme, Barbadiens. *Mammea americana* L.

- *138. *Amygdalus dulcis*, J. B., sativa, C. B. ***Amygdalus communis*** β L.
- *139. *A. amara* J. B., C. B. ***A. communis*** γ L.
- *140. *A. Africana fructu holoserico*, Breynei. ***Brabejum stellatifolium*** L.
- *141. Arbor Indica cujus folia sunt Lauro Aldini similia, apicibus rotundioribus retusis ac magis venosa fructu Amygdali, v. Pl. Amalth. Bot. Tab. 364, 1; Mantiss. p. 20, pl. 3. Arbor Salawacc. Laurifolio, fructu filo longo terminante, floribus ex utriculo quasi prodeuntibus, Mus. Pet. 610, et Act. Philosoph. No. 276, p. 1021. Nandy ary totckoree. ***Bassia malabarica*** Bedd.
142. *Amygdalus Africana fructu holoserico*, Breyn., Hermanno. See 140.
143. *A. Indica*, s. Adamaram, H. Mal. Part 4. Tab. 15. Putta tawny. Kattapperi, Pluk. Mantiss. p. 12 (see No. 135).
- *144. *Cortex Peruvianus*, Io. Polus Lucaan. A drawing only of *Cinchons* sp.
- *145. *Anacardium Orientale*. G. N. 40, fig. 14. ***Semecarpus Anacardium*** L. f.
- *146. *Manghas domestica*, Mao, H. Mal. Part 4, Tab. 1. Arbor mangifera, Bontii. *Manghas sive Amba*, J. B. Item *Amygdalum referens fructus hirsutus*, ejusd. Cit. *Mangifera indica* L., 200; but the specimen is a leaf of ***Maesa*** sp.
- *147. *Mango Indica*, Raii Hist. 1550. *Mao seu Mau vel Manghas*, H. Mal. Part 4, p. 1. *Persicae similis putamine villosa*, Bontio, lib. 6. cap. 5. Arbor *Mangifera*, Garciae ab Horto. ***Mangifera indica*** L.
- *148. Mango tree, or Allsnush, Barbadoes. 91.
- *149. Broad leafed Mango. Barbadoes.
150. An Mango Cerasi fructu ?
151. Jack in a box. Barbadoes.
- *152. *Zizyphus sive Jujuba major*, Park. *Zizypha sativa et sylvestris*, J. B. *Jujuba major oblonga*, C. B. P. ***Zizyphus sativa*** Gaertn. This specimen is attached to a sheet bearing two other specimens, one *Z. Zeylanica argentea spinis carens, waelaembilla Zeylonens.*, *Paradis. Bat. Prod.*: the other, *Z. Zeylanica argentea tota non spinosa, Mahaembilla*; both are ***Elaeagnus latifolia*** L.
- *153. *Z. Zeylanica argentea tota non spinosa*, P. B. P. ***Elaeagnus latifolia*** L.
154. *Z. Africana spinis validissimis armata, Odenlandii*. ? ***Zizyphus Spina Christi*** Willd.
155. *Jujuba Indica rotundifolia spinosa foliis majoribus subtus lanuginosis et incanis*, Breyn. Prod. 2, 60. *Jujuba Indica*, C. B. Item *Malus Maluccensis nonnihil spinosa*, ejusd. Item *Pruno*

- similis foliis Laccam ferens, ejusd., Ber et Bor Acostae, Park. ? *Zizyphus Jujuba* Willd.
156. *Jujubae similis arbor Mascatensis non spinosa, fructu rotundo*, Pluk. Tab. 312, 3.
157. *Jujubae similis arbor Indiae Orient. inaequalibus spinis aureis ex cortice candidissima prorumpentibus armata*, Pluk. Alm. Tab. 312, 4. *Yelindy*.
- *158. *Cerasus sativa rotunda, rubra et acida, quae nostras, Cerasus rubra, C. B. P. Cerasus acida rubella, J. B. Cerasus Anglica, Park. Cerasus vulgaris, Ger. Cit. Prunus Cerasus a caproniana L., 474.*
- *159. *C. hortensis sive Flandrorum.*
- *160. *C. cordata rubra, sive rubra Cordiformis. Cerasus duracena oblonga, J. B.*
- *161. *C. cordiformis nigricans. Prunus acida Ehrh.*
- *162. *C. incarnata s. carnis substantia praedita. The Carnation Chery.*
- *163. *C. Ducalis.*
- *164. *C. nigra sylvestris.*
- *165. *C. flore pleno, J. B., Ger. Cerasus hortensis flore pleno, C. B. P. Cerasus multiflora pauciores fructus edens, Park. Paradis. Cit. P. Cerasus γ plena L., 474.*
- *166. *C. folio maximo fructu rubro minore.*
- *167. *C. pumila, C. B. P. Chamaecerasus, Matth. Cit. P. Cerasus θ pumila L., 474.*
- *168. *C. racemosa fructu non eduli, C. B. P. Cerasus racemosa quibusdam aliis Padus, J. B. P. Padus L.*
- *169. *C. similis arbuscula Mariana, Padi folio, flore albo parvo racemoso, Pluk. Mantiss. p. 43. Amelanchier canadensis Medic.*
- *170. *C. sylvestris amara, Mahaleb putata, J. B. Ceraso affinis, C. B. Mahaleb, Matth. Hist. Lugd. Prunus Mahaleb L., 474.*
- *171. *C. Africana non racemosa, fructu eduli, folio laurino. Oldenl. Hermannii. Two sheets.*
- *172. *C. humilis Africana folio rotundo crasso. Amst. Carbon impression of a leaf. ? Cassine Maurocenia L.*
- *173. *C. Cap. Bon. Spei major. Carbon impression of a leaf.*
- *174. *C. Cap. Bon. Spei minor. Carbon impression of a leaf.*
- *175. *C. Americana Myrti conjugatis foliis, fructu tetrapyreno, Pluk. Alm. 94, Tab. 157, 4. The soure chery tree. Malpighia glabra L.*
- *176. *C. Madrasp. foliis latis cuspidatis, Mus. Pet. 371. An Ceraso affinis baccifera Indica trifolia fructu rotundo monoppyreno pediculo longo, Raii Hist. 1593. Malago maram, H. Mal. Part 5, p. 25, Pluk. Alm. Bot., p. 94. Cundoo Maumedy Melo*

mango maram, Incolis, et Woodga maram, Cunga munga Cheddy. *Sent from Fort St. George.*

- *177. C. Hottentottorum, Lycium Africanum fructu Cerasi rubro, P. B. P. Item Rhamnus Africana Cerasi fructu, ejusd. Pluk. Tab. 82, 5, sine nomine.
Two sheets; one is probably **Cassia** sp. *teste* J. S. Gamble, the other is **Cassine capensis** L.
- *178. C. Sebestenae domesticae foliis aliquatenus accedens, Prom. Bon. Spei, Pluk. Tab. 97, 8. Et Lycium forte non spinosum crassis et incanis foliis, P. B. P. Carpsi Carsiboom vulgo Belgarum. Plukenet's name is cited for **Cassine Peragua** L., 269.
179. White Chery.
- *180. Clammie Chery tree. Barbadoes. ? **Cordia Collococca** L.
181. Arbor baccifera Cerasi facie floribus luteis fasciculatis, Unaupisali, Hermannii.
182. Cerasi fructu arbuscula Zeylanica.
- *183. Lotus fructu Cerasi, C. B. P. Lotus arbor fructu Cerasi, J. B. Lotus arbor, Ger., Park. **Celtis australis** L.
- *184. L. arbor folio glabro, fructu rubro. **C. occidentalis** L.
185. L. Ulmi vel Coryli folio, Dodart. D. Du Bois.
- *186. Lotodendron Madraspat. folio longiore pubescente, Pluk. Mus. Pet. 656. Ande maula maram. *Sent from Fort St. George by Dr. Edw. Bulkley 1700.* **Grewia hirsuta** Vahl.
- *187. Santalum album, et citrinum officinar., Dale Pharm. 478. S. B. 6. 233. Fructus Cerasi magnitudine per maturitatem nigri. **Santalum album** L.
188. Arbuscula Zeylanica floribus umbellatis luteis, fructu nigro Cerasino, v. Pluk. Tab. 276. 4.
- *189. Arbor Indica baccifera fructu umbilicato rotundo Cerasi magnitudine dicocco, Raii. Hist. Angolam forte H. Mal. Pluk. Tab. 12. 1. *Sent from Fort St. George by Dr. Edward Bulkley 1702. Narruly.* Two sheets; **Alangium Lamarckii** Thw.
190. Cerasi fructu Arbuscula Zeylanica.
- *191. Azederach arbor Fraxini folio flore caeruleo, C. B. P. Azederach, Dod. Azederacheni arbor, J. B. e Madrasp. **Melia Azedarach** L.
- *192. A. floribus albis semper virens, H. Leyd. Azadarach Indica foliis non deciduis ossiculo polypyreno, P. B. P. *Melly Vemboo.* **M. Azedarach** L.
193. A. Indica foliis ramosis minoribus, flore albo, subcaeruleo, purpurascente majore, Hort. Amst., p. 147.

ARBORES PRUNIFERAE SEMPER VIRENTES.

- *194. *Olea sativa*, C. B. P., J. B., Ger. Two sheets; *Olea europaea* L.
- *195. *O. maxima* Hispanica, C. B. P. *Olea major* subrotunda, Bot. Monsp. *O. europaea* L.
- *196. *O. minor* Genevensis, Baetica, Clusii. *O. europaea* L. var.
- *197. *O. sylvestris humilis* Africana.
- *198. *O. Laurino folio* Portoricensis, summo margine crenato, Pluk. Alm. *Nux* aut potius *Olea Laurino folio* Portoricensis summo margine crenato, Pluk. Phyt. Tab. 206, 6. *Amygdali* Brasil. nomine à D. Hermanno missa. Huic forte spectat. Kari-vetti, H. Mal. Part. 4, p. 111.
- *199. *O. sylvestris folio molli incano*, C. B. P. *Olea Bohemica*, J. B. *Oleaster* Cappadocicus, Park. Theat. *Elaeagnus angustifolia* L.
- *200. *O. sylvestris Barbadiensium folio angusto pingui leviter crenato*, Pluk. Tab. 209. 3.
Wild olive of Barbadoes. Two distinct leaves one of which closely resembles *Bontia daphnoides* L., cit. 638.
- *201. *O. Madraspatana* Celastris folio, Mus. Pet. No. 439.
- *202. *Laurocerasus*, J. B., Clus. Hist. *Cerasus folio Laurino*, C. B. P. *Eadem foliis ex argenteo colore variegatis*. *Prunus Lauro-Cerasus* L.
- *203. *L. Lusitanica minor*, Tournefort El. Bot. p. 628. *Asarero Lusitanis*. Forte Pee tumba, H. Mal. Part. 9, p. 87. *P. lusitanica* L.
204. *Laurus aromatica Barbadiensium*.
205. *Arbor baccifera cerasi facie floribus luteis fasciculatis* Hermannii.
206. *Cerasi fructu arbuscula* Zeylanica.
207. *Arbor Indica baccifera fructu umbilicato rotundo cerasi magnitudine dicocco*, Raii Hist. Angolam forte H. M. Pluk. Tab. 12, f. 1.

ARBORES POMIFERAE POLYPYRENAE, FRUCTU FLOREM
SUBSIDENTE SEU UMBILICATO.

- *208. *Malus sylvestris sive agrestis* Anglis. The Crab Tree. *Pyrus Malus* var. *sylvestris* L.
- *209. *M. sativa*. *The Apple Tree*. *P. Malus* L. var.
210. Mangroue Apple. Badminton.
211. *Pomifera seu potius Prunifera Indica*, nuce reniformi, summo pomo insidente, Cajous dicta, Raii Hist. 1628. *Anacardii* alia species, C. B. P. 512. Arajou, Linschot. Cit. *Anacardium occidentale* L., 383.
- *212. *Pyrus sativa*. *Pyrus communis* L. var.

- *213. *P. sylvestris*. **P. communis** L. var.
 214. *Malus Cydonia* sine *Cotonea*. **P. Cydonia** L.
 215. *Sorbus sativa*, C. B. P. *Sorbus J. B.* *Sorbus legitima*, Park.
Sorbus domestica L. = **P. domestica** Ehrh.
 *216. *Anacardium Occidentale* Cajous dictum, ossiculo reni Leporis
 figura, H. L. Bat. Cajous J. B. *Anacardii* alia species, C. B. P.
 Kapamava, H. Mal. part. 3, 65. Pomifera seu potius Pruni-
 fera Indica nuce reniforme summo pomo innascente, Cajous
 dicta, Raii, 1649. (See No. 211.) **Anacardium occidentale**
 L. Another sheet, è *Madrasp.*, is *Ixora parviflora* Vahl.

ARBORES POMIFERAE FLORIBUS FRUCTUM SUBSIDENTIBUS.

- *217. *Aurantium vulgare* Ferrarii. **Citrus Aurantium** L. var.
 *218. *Malus Aurantia* flore et fructu rubro.
 *foliis variegatis.
 *angustissimo et longissimo folio.
 acida Barbadiensis.
 Chinensis carne dulci, è Barbadoes.
 *Maxima Barbadiensis, Shaddock or Pumple nose. *Malus*
aurantia utriusque Indiae fructu omnium maximo et
suavissimo. Cit. **C. Aurantium γ decumana** L., ed.
 ii. 1101.
 219. *Aurantia* ex India, Kitchelly marram. D. Du Bois.
 *220. *Lima dulcis* Ferrarii.
 *221. *L. Chinensis*, Barbadoes. *China Orange*.
 *222. Lime Tree, St. Christophers.
 *223. Limo *Madraspatanus* apicibus foliorum fere sinuatis, fruct.
 cuspidato, Pet. Petiver's specimen, *M. N. 43.* **Atalantia**
monophylla DC.
 224. Limo foliis bifidis, Mus. Pet. Nir carumby, and Corenda Chedde.
 Fort St. George.
 225. *Malus Citria*.
 226. Pome Citron from Barbadoes.
 *227. *Malus Punica* flore pleno, H. R. P. *Balaustia Hispanica*, J. B.
Balaustium flore pleno majore, C. B. P. **Punica Granatum**
 β. L., *flore pleno*.
 *228. Pome Granate from the East Indies. **P. Granatum** L.
 *229. *Malus Granata* Zeylanica spinosa. Carbon impression only.
 *230. *Guaiva alba* acida fructu rotundiore Indiae Orientalis, Pluk.
 Tab. 193, 4. *Guaiva pomifera* Indica, C. B. P. *Guaiva Indica*
 fruct. Mali facie, J. B. Xalchohotl Mexicensis, sive Pomum
 arenosum, Hernand. **Psidium Guajava** L.
 *231. *G. alba* dulcis, P. B. P. Hort. Amst. p. 121. ? **P. Guajava**
 L. var.

232. *Papaia Peruanis*, J. B. Arbor Platani folio, fructu Peponis magnitudine, C. B. P. Item *Ficum* species fructus Peruvianus, Ejusd. *Mamorea mas* et *foemina*, Ger., Park., Marcgrav. Cit. *Carica Papaya* L., 1036.
233. *Papaia sylvestris Surinamensis*. ? *C. Posoposa* L., 1036.
234. Vitelli, Yam.
235. *Massinilia pomifera* fructu majore, Par. Bat. Prod.
- *236. *Anona minor* folio lucido, D. Sher.
- *237. *Anona Americana* folio splendente, ex Vera Cruce, P. B. Prod., Pluk. Tab. 135, 1, Alm. 31.
238. *A. Indica latifolia* fructu squamato aspero, seminibus ex flavo nigricantibus turgida, Pluk. Tab. 134, 2, Alm. p. 31. *Sowre sop*. *Anona Americana* sylvest. folio et fructu maximis, P. B. P. (see No. 239).
- *239. *A. Indica* fructu ex viridi et luteo, cortice squamato aspero, nucleis nigricantibus parvis, Pluk. Tab. 134, 3. *Guanabanus Oviedi* fructu squamato, J. B. Sweet sop, or Sugar apple. *Honig Appell. Anona squamosa* L.
Another sheet, *The sowre Sop tree*, is probably *A. muricata* L.
- *240. *A. Indica angustifolia* fructu caeruleo, cortice squamato glabro, Pluk. Tab. 134, 4. *Custard Apple*. Three sheets, one labelled *Custard Apple, St. Xtophers*, are *A. reticulata* L.
241. *A. Indica* fructu conoide viridi squamis veluti aeuleato, Pluk. Tab. 135, 2. *The Prickle Apple*. Cit. *A. muricata* L., 537.
- *242. *A. Americana* juxta fluviorum ripas innascens pyriformi fructu semine ampliore pallido, Pluk. Tab. 240, 6. *River Pear*. Cit. *A. palustris* L., ed. ii, 758.
243. *A. major* fructu dulci, Par. Bat. Prod.
- *244. *A. Curassavica* fructu dulci, Par. Bat. Prod. *Anona? Swt. Sop ex Surinam Mespilus Surinamensis*. ? *A. reticulata* L.
- *245. *A. species*, Nona maram. Fort St. George. D. Du Bois. Two specimens on the same sheet; the upper one is *A. squamosa* L.
- *246. *A. species*, *Auta Cheddy*, et *Auta Cherry*. Bombay. Ibid. *A. reticulata* L.
247. *Cucurbitifera arbor Americana*, Par. Bat. Prod. *Cucurbitifera arbor Ficus Nigritarum*, Theveti, J. B. *Ficui similis arbor fructu oblongo*, C. B. P.
- *248. *C. spinosa Indica*, fructus pulpa Mali *Cydoniae aemula*, Pluk. Tab. 170, 5. *Aegle Marmelos* Correa.
- *249. *C. arbor Americana*, Cuite Brasiliens., Marcgravii. *Calabasier vulgo*, P. B. P. *Crescentia Cujete* L.
250. *The Calabash tree*. Barbadoes.
251. *An Cucurbitifera Malabarica Oenopliae subrotundo folio fructu*

orbiculari rubro, cujus grana sunt Nuces Vomicae Officinarum. Alm. Bot. p. 124.

- *252. Igasur seu Nux vomica legitima Serapionis, Catalongay et Cantara dicitur, Philos. Transact. No. 250. Mart. 1699. Cap. 6. Idem cum priore.
Loose leaves, and a drawing including fruit and seed. The drawing is a copy of Camelli's figures in the Phil. Trans., which are also reproduced in Bentley and Trimen's *Medicinal Plants*, iii, p. 179, for *Strychnos Ignatii* Berg.
253. Vomica Officinarum, Dale 448, S. B. 1, 28.
254. Nucis vomicae species. Ette maram, et yetti maram. Caniram, Hort. Mal. Part 1, fig. 37, vel Modira Caniram, Part 8, Tab. 24.
- *255. Apioscoridon sive Arbor Americana triphylla Allii odore, Poma ferens, Pluk. Tab. 137, 7. The Garlick Pear. Three leaves, all different. Cit. *Crataeva Tapia* L., 444.
256. Massinilia pomo sive fructu majore, Par. Bat.

ARBORES POMIFERAE FLORIBUS INTRA FRUCTUM OCCULTATIS.

- *257. Ficus sylvestria Dioscoridis, Caprificus Plinio, C. B. P. Cit. *Ficus Carica* ♂ L., 1059.
- *258. Ficus humilis, C. B. P. Chamaeficus, J. B. Cit. *F. Carica* β, L., 1059.
- *259. Ficus Ger., J. B. Ficus vulgaris, Park. Ficus sativa fructu praecoci virente, intus roseo, Tournefort El. Bot. p. 662. *F. Carica* L.
- *260. F. alba. Ficus sativa fructu praecoci albo mellifluo, El. Bot. *F. Carica* L.
- *261. F. rubra Massiliensis. Ficus sativa fructu violaceo longo, intus rubente, Tourn. El. Bot. *F. Carica* L.
- *262. F. Bengalensis, folio subrotundo, fructu orbiculato, H. Amst. 119. Two sheets; one, labelled *A milky plant, seed like the fruite of a small berry, from the East Indies*, is *F. benghalensis* L.
- *263. F. ex Insula Di. Christopheri. vulgo Dough fig. *Astreshe maram*.
- *264. F. Malabarensis folio cuspidato, fructu rotundo parvo gemino, D. Seyn, Pluk. Tab. 178, 2. Arealu, H. Mal. Tom. 1. Ficus Bengalensis folio subrotundo fruct. orbiculari, H. Amst. p. 119. Two sheets, one *Sent from Fort St. George by my brother Daniel du Bois*; both are *F. religiosa* L.
- *265. F. Americana latiore folio venoso ex Curacoa. An Ficus arbor Barbadiensium Ligonis, Pluk. Tab. 178, 1. H. R. Hampt. *F. benghalensis* L.
266. F. major, Sti. Christopheri.
267. F. minor, Sti. Christoph. ? *F. cordifolia* Blume.

- *268. *F. Indica arcuata*, Park. *Ficus Indica*, J. B. *Ficus Indica* folio Mali Cotoneae fructu Ficubus simili in Goa, C. B. *The Archid Indian figg tree*.
Caspar Bauhin's name is cited for *Ficus indica* L., 1060, but the leaves are not *Ficus*.
- *269. *Balsamum rupestre Barbadiense*, *Cenchræmidea arbor saxis adnascens, obrotundo pingui folio, fructu pomiformi in plurimas capsulas granula ficulnea (stylo columnari hexagono præduro) adhaerentia continentes diviso*, *Balsamum fundens*, Pluk. Tab. 157, 2. *The Balsame tree or Wyth . . . when cut a milkie juice runs out wch. is the Balsame*. *Clusia insignis* Mart.
270. *Cenchræmidea Loti arboris folio, capsulari fructu erinaceo parvo, orbiculari, compresso, quinquefariam diviso, granulis Ficuum similibus referto*, Pluk. Tab. 156, 4.

ARBORES BACCIFERAE MONOPYRENAE.

271. *Terebinthus major Pistaciae folio*, [Lob.] Adv., Bot. Monsp. *Terebinthus latifolia*, Park. Cit. *Pistacia trifolia* β L.
272. *T. angustiore folio vulgator*, Park. *Terebinthus vulgaris*, C. B. P. *Terebinthus*, J. B. Cit. *P. Terebinthus* L., 1026.
273. *T. Americana polyphylla*, Palamalatta dicta, Pluk. Tab. 228. Par. Bat. Hort. Amst. p. 149. Cit. *Bursera Simaruba*, Sargent.
274. *T. Curassavica major*.
275. *T. minoris aemula foliis angustioribus et rotundioribus*, Pluk. Tab. 64, 5.
- *276. *T. Americana sorbi Aucupariae foliis, rachi medio appendicibus alata*, Pluk. Phyt. Tab. 228, 7. *Tacamahaca foliis ternis crenatis ex Hort. Baum*.
277. *Balsamum Capoiba, vulgo Capavae*, Io. Polus Lucaan. *Copai-fera* sp.
- *278. *Lentiscus* Lob., Ger., Park., J. B. 1. 285, Dod. Pempt. 371. *Lentiscus vulgaris*, C. B. P. 399. *Pistacia Lentiscus* L.
- *279. *L. foliis latioribus*. *P. Lentiscus* L.
280. *L. humilis Africana trifoliata*.
- *281. *L. Peruana*, C. B. P. 399. *Molle*, Clus. in Monard. *Molle arbor serratis foliis*. *Schinus Molle* L., ed. ii, 1467.
282. *Sassafras sive Lignum Pavanum*, J. B. *Sassafras*, Ger., Park. *Arbor de Florida ficulneo folio*, C. B. P. *Cornus mas odorata folio trifido, margine plano*, *Sassafras dicta*, Pluk. Tab. 222, 6. Cit. *Laurus Sassafras* L., 371 = *Sassafras officinale* Nees & Eberm.

- *283. *Coculus Indus* Officin., Park. *Cocci Orientales*, Ger., J. B. *Coculae officinarum*, C. B. *Arbor Indica Coculos Officinarum ferens*, Breyn. *Natsjatam*, Hort. Mal. T. 7. *Anamirta paniculata* Colebr. = **A. Cocculus** Wight & Arnott.
284. *Taxus*, Ger., Park., C. B. P. J. B. 1, 241, Chab. Cit. ***Taxus baccata* L.**, 1040.
285. *T. foliis toto auratis*. ? ***T. baccata* L. var.**
- *286. *Todalli facie Malaccensis Urticae floribus*, H. Sicc. Pet. Ray, Vol. 3, p. 249. *Dudhali Valeriodi* St. Gioseppi, Zan. *Mallam Toddali*, H. Mal. T. 4. p. 83. Two sheets, ***Trema orientalis* Blume.**

ARBORES BACCIFERAE DIPYRENAE.

287. *Alnus nigra baccifera*, J. B. Tom. 1, 560. C. B. P. 428. *Frangula sive Alnus baccifera*, Park. Cit. ***Rhamnus alpinus* L.**, 193.
- *288. *Alnifolia Americana serrata, floribus pentapetalis albis in spicam dispositis*, Pluk. Tab. 115, 1, Alm. p. 18 (see No. 21). ***Clethra alnifolia* L.**
289. *Bacciferae Madraspat. Myrti Laureae foliis perforatis sed vix conspicuis*, Mus. Pet. No. 361. *Velle conge et Coddel coongy*, D. Du Bois.
290. Alder tree of Barbadoes. ? ***Clethra alnifolia* L.**
- *291. *Caryophyllus aromaticus Indiae Occident. foliis et fructu rotundis, dipyrene, seminibus fere orbiculatis planis*, Pluk. Alm. 88, Tab. 155, 3. *Garyophyllon Plinii*, C. B. P. 411. *Amomum aliud quorundam et Caryophyllon Plinii Clusio suspicatum*, Park. 1567. *Amomum quorundam odore Caryophylli*, J. B. Tom. 2. *Caryophyllus folio et fructu rotundo*, Breyn. Prod. 2. *Peimento de Chapa Hispanis*, Fran. Redi. *Xocoxochitl, sive Piper Tavasci*, Hernand. 30. *Allspice. Pemento, Chelsey*. Cit. *Myrtus caryophyllata* L., 472; but the specimen, a single leaf, appears to be ***Pimenta officinalis* Lindl.**
- *292. *C. aromaticus Americanus, Lauri acuminatis foliis, fructu orbiculari*, Pluk. Alm. 88, Tab. 155, 4. *Myrtus arborea foliis Laurinis aromatica*, D. Sloan. *Peimenta et Iamaica Pepper nostratibus nuncupata. Myrtus Pimenta* L., 472 = ***Pimenta officinalis* Lindl.**
- *293. *C. spurius Malabarensis flore luteo. An Cattu carambu*, Hort. Mal. Fig. 50, p. 2. *Sent from Pegu in the East Indies. Jussiaea suffruticosa* L.
- *294. *C. spurius Malabarensis, flore luteo minore. An Carambu* Hort. Mal. fig. 45, p. 95. ***Corchorus acutangulus* Lam.**
- *295. *Peimento, Bartholini.*

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- *312. *J. Caroliniana* Thuiae Theophrasto vulgo foliis, ramulis fuis et compressis odoratis, Pluk. Alm. 201, Tab. 197, 4. è *Barbadoes*. *J. bermudiana* L.
A second specimen, from *Maryland*, is probably *Cupressus Thyoides* L. (= *Chamaecyparis thyoides* B. S. P.).
- *313. *J. foliis* Frutex Africanus. *J. Cedrus* Webb & Berth.
- *314. *Arbuscula trifolia spinosa fructu miniato tricocco, sapore Piperis, Hermannii. Kudhumiris. Frutex baccifer Indicus spinosus trifoliatus floribus spicatis, fructu plano rotundo bicocco, Raii Hist., Kaka-Todalli, H. Mal. Tom. 5, p. 81. Toddalia aculeata Pers.*
315. *Mimosae facie Africana baccis rubris. Ex. Cod. Compton.*

ARBORES BACCIFERAE TETRAPYRENAE.

- *316. *Aquifolium sive Agrifolium vulgo, J. B. 1, 114. Ilex baccifera aculeata folio sinuoso, C. B. P. 421. Ilex Aquifolium L.*
- *317. *A. foliis ex luteo variegatis, H. R. P. I. Aquifolium L., var. variegatum.*
- *318. *A. foliis ex albo variegatis, H. L. B. I. Aquifolium L., var. variegatum.*
- *319. *Agrifolium echinata folii superficie, Cornuti. A galled form of I. Aquifolium L.*
320. *Idem folio linea aurea per medium notatum.*
- *321. *Aquifolium Virginianum tuberosum, v. Pluk. Chelsey. I. opaca Ait = I. quercifolia Meerb. (I. K.).*
322. *A. angustifolium spinosum.*
- *323. *A. amplissimis foliis ex Insulis Fortunatis, Pluk. Alm. 38, Tab. 262.*
- *324. *Agrifolii facie Arbor Malabarica, Acanthi flore albo cucullato, Pluk. Alm. Tab. 261, 4. Paina Schulli H. M. T. 2. 93. Acanthi species? Acanthus ilicifolius L.*
- *325. *Agrifolium echinatum foliis ex auro variegatis. A galled form of Ilex Aquifolium L., 125.*
- *326. *Arbor Americana quinque-nervia, comantibus flosculis foliis amplissimis glabris, prona parte albicantibus, Pluk. Alm. p. 40, Tab. 264. 4. Christophoriana Amer. Malabatbri foliis acuminatis nervosis dentata, Pluk. Tab. 159, 1. Nettle tree of Barbadoes. Two plants on the sheet. The leafy specimen is *Miconia* sp.: the fruits belong to *Grewia* sp. There is a second sheet of the *Miconia*.*

ARBORES BACCIFERAE POLYPYRENAE, SIVE PLURIBUS ACINIS.

- *327. *Morus alba, J. B. Tom. 1, 119. Morus fructu albo, C. B. P. 459. Morus candida, Dod. Pempt. 810. Morus alba L.*
- *328. *M. nigra, J. B. 1, 118. Morus fructu nigro, C. B. P. 459. M. nigra L.*

- *329. *M. Virginiana lactescens latissimo folio*, H. Beaumont. *Mori-folia Virginiana arbor*, Loti arboris instar ramosa foliis amplissimus, Pluk. Alm. 253, Tab. 246, 4. *Corylus maxima folio latissimo Virginiana*, Raii Hist. 1799. **Morus rubra** L.
- *330. *M. Barbadiensis foliis in rotundiores lacinias divisis*.
- *331. *Arbor baccifera Brasiliensis fructu tuberculis in aequali Mori aemulo*, Dale Pharm. 405, Raii Hist. 1810. Fustick wood D. Pet. **Chlorophora tinctoria** Gaudich.
- *332. *Arbutus folio serrato*, C. B. P. 460. *Arbutus Comarus Theophrasti*, J. B. 1, 83. *Arbutus*, Dod. Pempt. 804. *Unedo Plinii vulgo*. **Arbutus Unedo** L.
333. *Arbutus folio non serrato*, C. B. P. *Adrachne Theophrasti*, J. B. Clus.
- *334. *Arbor Orientalis baccifera Lauri foliis crassis et venosis per siccitatem atro nitentibus quasi vernice tinctis, polypyrene*, Pluk. Tab. 140, 2. *Webera corymbosa* Willd. = **Tarennia zeylanica** Gaertn. (I. K.).
335. *Adrachna Theophrasti*, Clus.
336. *Adrachna species folio longiore*.

ARBORES BACCIFERAE POLYPYRENAE FLORIBUS FRUCTUI
INSIDENTIBUS, SIVE FRUCTU UMBILICATO.

337. *Sorbus sylvestris foliis domesticae similis*, C. B. P. 415. *Sorbus Aucuparia*, J. B. 1, 62. *Sorbus sylvestris Alpina*, Loh. Icon. 107. *Sorbus sylvestris sive Fraxinus bubula*, Ger. *Ornus sive Fraxinus sylvestris*, Park. Cit. *Sorbus aucuparia* L., 477 = **Pyrus Aucuparia** Ehrh.
- *338. *S. Alpina*, J. B. 1, 65. *Aria Theophrasti*, Ger. *Sorbus sylvestris Aria Theophrasti dicta*, Park. *Alni effigie lanato folio major*, C. B. P. 452. *Crataegus folio subrotundo, serrato, subtus incano*, Tourn. *Crataegus Aria* L. = **P. Aria** Ehrh.
- *339. *Eadem foliis acutioribus et profundius dentatis*. *Found by Dr. Sherard in Stokenchurch woods*. **Pyrus Aria** Ehrh. var. **incisa** Reichb.
340. *Sorbus virginiana foliis Arbuti*, J. B. Chelsey? Cit. *Mespilus arbutifolia* L., 478 = **Pyrus arbutifolia** L. f.
- *341. *Mespilus vulgaris*, J. B. 1, 69. *Mespilus Germanica folio Laurino non serrato, sive Mespilus sylvestris*, C. B. P. 453. *Mespilus germanica* L. = **P. germanica** Hook. f.
- *342. *M. Apii folio sylvestris non spinosa, sive sorbus torminalis*, C. B. P. *Sorbus torminalis et Crataegus Theophrasti*, J. B. *Crataegus torminalis* L. = **P. torminalis** Ehrh.
- *343. *M. Apii folio sylvestris spinosa, sive Oxyacantha*, C. B. P. 454. *Oxyacanthus* Ger. *Oxyacanthus vulgaris, sive spinus albus*, J. B. 1, 49. *Crataegus Oxyacantha* L. = **C. monogyna** Jacq. Another sheet, *M. Apii folio flore pleno*, is **C. oxyacanthoides** Thuill. *flore pleno*.

344. *M. spinosa*, sive *Oxyacantha* flore pleno, Tourn. *Oxyacantha* sive *spina alba* flore pleno, Munting. Hist. 186.
- *345. *M. Aronia* Ger., Dod. Pempt. 801. *Mespilus Aronia* veterum, J. B. 1, 67. *Mespilus Aronia* sive *Neapolitana*, Park. *Mespilus Apii folio laciniato*, C. B. P. 453. *Crataegus Azarolus* L.
- *346. *M. Virginiana* (*Aronia*) *foliis integris*, iis ad *Pyr*i *accedentibus*. *C. tomentosa* L.
- *347. *M. Virginiana aculeata* *Pyrifolia denticulata splendens*, fructu insigni *rutilo*, Pluk. Tab. 46, 1. *C. Crus-Galli* L.
On a second sheet the specimens (leaves) are certainly not that species, but probably *C. mollis* Scheele.
348. *M. Virginiana spinosa* *hnmilior Pyracanthae foliis* *Tradescanti*.
349. *M. Americana spinosa* *Alaterni foliis*. Chelsey. Major et minor.
350. *M. Virginiana Apii folio vulgari similis major spinis grandioribus*, Pluk. Tab. 46, 3. Cited by Sargent, *Silva N. America* IV, 108, for the Washington Thorn, *C. cordata* Aiton.
- *351. *M. Virginiana spinis horrida fructu amplo coccineo*, Pluk. Tab. 46, 4. *Mespilus Canadensis Sorbi torminalis facie*, Tourn. *Oxyacantha Virginiana ossiculis binis fructu magno inclusis*, Banist. Cat. *Virgin.* *Oxyacantha Americana Galli calcar dicta Raii*. *Mespilus Virginiana colore rutilo*, C. B. P. App. ? Cited by Sargent l. c. 100, and the figure agrees, *C. mollis* Scheele.
- *352. *M. Americana Laurifolia glabra fructu rubro mncilaginoso*, Hort. Amst. Part 1, p. 153. *Calabura rubra foliis laurinis*, Par. Bat. Prod., Pluk. Tab. 326, 5.
353. *An Sorbus Virgin. folio Arbuti*, Breyn. *Mespilus Virginiana Arbuti lanato folio*, Pluk. Alm. ? This may refer to *Mespilus arbutifolia* L. = *Pyrus arbutifolia* L. f.
- *354. *Guajacum Pativinum latifolium*, Ger. *Gnajakana*, J. B. *Lotus Africana latifolia*, C. B. P. *Diospyros Lotus* L., 1057.
- *355. *Pishamin Virginianum*, Park. Theat. 1523. *Diospyros virginiana* L.

ARBORES BACCIFERAE INCERTAE SEDIS.

356. *Mimosae facie Africana baccis rubris*, ex Cod. Compton.
357. *Arbor Canariensis baccis rubris*.
358. *Arbor Amer. baccifera Myrtifolia viminalibus virgis sive Flagellifera*, Pluk. Alm. p. 46, Tab. 139, 6.
359. *Elemnifera arbor ex mente D. Sherard*, Pluk. Tab. 173, 5. *Arbor Amer. Quercinis foliis angustioribus*, H. Hampt. 103.
- *360. *Arbor Amer. Faginis foliis glabris, crenis rarioribus per marginem dentatis*, ex *Insula Barbadiensi*, Pluk. Tab. 241, 3.
361. *Baccifera Madrasp. Castaneae folio mucronato*, Mus. Pet. 618.

362. *Baccifera racemosa* Madrasp. Lauri cerasi foliis, floribus parvis numerosissimis, Phil. Transact. No. 224, p. 320. Curam Chedde Malab., Phil. Transact. No. 264, p. 584. Coraun.
363. The Cedar tree of Barbadoes is great, wth small whiteish leaves, like those of *Euonymus*, and brittle branches, wth a seed or berry.

ARBORES SILIQUOSAE SIVE SILIQUIFERAE MONOPHYLLAE.

- *364. Arbor Judae, Lob., Ger., Park. Judaica arbor, J. B. 1, 433. *Siliqua sylvestris rotundifolia*, C. B. P. 403. *Ceratia agrestis rotundifolia*, floribus eleganter purpureis, Pluk. Alm. 95. *Siliquastrum*, Cast. Durant. 415. Cit. *Cercis Siliquastrum* L. 374. Leaves only, which probably are *Mallotus* sp.
365. Eadem flore albo.
366. Arbor Judae Americana magis acuminatis foliis, Raii Hist. *Ceratia sylvestris mucronato folio*, floribus parvis Caroliniano. Judaica arbor Virginiana folio cordato, P. B. P.
367. Arbor siliquosa Barbadiensium Laurinis foliis splendentibus. Bastard Locus ab Incolis nominata. Probably refers to *Clethra tinifolia* Sw.
368. Arbor siliquosa Faginis foliis Americana floribus comosis, Pluk. Alm. p. 44 ult. (see No. 356).

ARBORES SILIQUOSAE DIPHYLLAE.

- *369. Arbor Dⁱ Thomae, Acostae. Asistra sive Arbor Dⁱ Thomae, Kethesmar, Arab. Zan. Covanna Mandaru, Hort. Mal. Tom. 1, p. 57. Arbor siliquosa Malabarica foliis bifidis, flore purpureascente striato. Sent from Fort St. George by Dr. Edw^d. Bulkley, 1700. Mandarry. Vella Mandary. *Bauhinia variegata* L., 375.
- *370. A. siliquosa Malabarica foliis bifidis minoribus flore albo flavescente striato, D. Seyn. Canschena-pou. H. Mal. Tom. 1, p. 63. Arbor Dⁱ Thomae minor. Mandaru 4 species. Can. B. tomentosa L.
- *371. A. siliquosa Malabarica foliis bifidis minoribus flore candido striato, D. Seyn. Mandaru 3 species sive Velutta Mandaru, H. Mal. Part 1, fig. 34. Surro mandary. B. tomentosa L.
- *372. A. siliquosa Malabarica fol. bifidis majoribus, flore intensius purpurascense striato, D. Seyn. Mandaru 2 spec. s. Chavanna Mandaru, 2^a, H. Mal. Part 1, fig. 33. Two sheets, leaves only, probably *B. purpurea* L.
- *373. A. siliquosa Malabarica media foliis bifidis in furcas acutiores divisis. Two leaves and one valve of a fruit. Mr. Gamble suggests it is *B. monandra* Kurz.

- *374. *Mandaru Madraspatana* foliis firmioribus bisulcis glabritie splendentibus ad surculum densius stipatis, Pluk. Alm. 240, T. 44, 6. *Arbor D. Thom. minor*. Cit. *B. tomentosa* L., 375, but the specimen is not this species.
- *375. *Ceratia diphyllus Antegoana, Ricini majoris* fructu nigro, siliqua grandi incluso, Pluk. Alm. p. 96, Tab. 82, 3. *Jetaiba Brasiliens. Pis. Arbor Brasiliensis* siliquosa et gummifera *Gummi Anime simili*, Raii Hist. *Arbor siliquosa ex Virginia lobo fusco scabro*, C. B. *Locus ex Surinama*. Two sheets, both are *Hymenaea* but distinct species. Cit. *Hymenaea Courbaril* L., 1192. A third sheet is ? *Peltogyne* sp.
376. *Unguis Cati Arbor Americana spinosa siliquosa*.

ARBORES SILIQUOSAE TRIPHYLLAE.

- *377. *Coral arbor siliquosa*, J. B. 1, 426. *Siliqua sylvestris spinosa arbor Indica*, C. B. P. 402. *Arbuscula Corallii*, Ferr. Flor. 381. *Phaseolis accedens Coral arbor spinosa Orientalis* fructu obscure rubente, Pluk. Alm. 293. *Corallodendron triphyllum Americanum spinosum flore ruberrimo*, Tourn. e *Madrasp. Arbor Corall. Muricu*, H. M. T. 6, f. 7. Two sheets. *Erythrina indica* Lam.
- *378. *Arbor Coral trifoliata spinis et cortico nigris*.
- *379. An *Phaseolus maritimus purgans*, D. Pluk. Alm. 292, 1, Tab. 51? ? *Canavalia* sp.
380. *Anagyris non foetens minor*, C. B. P. *Laburnum minus*, Park. Cit. *Cytisus Laburnum* L., 739 = *Laburnum anagyroides* Med. (I. K.).
381. *A. non foetida major vel Alpina*, C. B. P. *Anagyris non foetida sive Laburnum majus*, Park. Cit. *C. Laburnum* L., 739 = *L. anagyroides* Med. (I. K.).
- *382. *A. non foetida latifolia floribus densius congestis in breviorum uvam*, Schol. Bot. 269. Pluk. Alm. A form with condensed inflorescence; *C. Laburnum* L. = *L. anagyroides* Med. (I. K.).
- *383. *A. foetida*, C. B. P. 391. *Anagyris vera foetida*, J. B. 1, 364. *Anagyris*, Dod. Pempt. 785. *Anagyris foetida* L.
- *384. *A. trifolia angustis siliquis flore luteo*, è Cod. Compt. Drawing only.
- *385. *A. trifolia Africana siliquis angustis flore caeruleo*, è Codice Compton. Drawing only.

ARBORES SILIQUOSAE TETRAPHYLLAE.

- *386. *Arbor siliquifera Faginis foliis Americana floribus comosis*, Pluk. Tab. 141. *Spanish Oke*. Cit. *Mimosa fagifolia* L., 516 = *Inga fagifolia* Willd., but the specimen is *I. Bourgoni* DC. (see No. 368).
- *387. *Phaseolis accedens arbor Indica*, P. B. P.

ARBORES SILIQUIFERAE POLYPHYLLAE SIVE FOLIIS LOBATIS.

- *388. Arbor siliquosa Brasiliana, siliqua hispida, ferruginea, Cera-toniae facie, Breyn. Cent. 1, p. 26, Tab. 14.
- *389. Coral arbor polyphylla non spinosa, P. B. P. Hort. Reg. Hampt. 99. Phaseolis accedens arbor Coral polyphyllos foliis durioribus glabris non spinosa, Pluk. Alm. 293, Tab. 214, 4. Forte Phaselus arbor siliquosa Juglandis folio Brasili-ana Lobo longissimo, Acaciae siliqua instar distincto, C. B. P. Lobus Brasilianus ingens Acaciae forma, J. B. ? *Piscidia Erythrina* L.
- *390. C. arbor exotica non spinosa Laurifolia, Mus. Pet. 760. An Phaseolis accedens Malabarica alatis foliis glabris mono-spermos, siliqua lata brevi, Pluk. Alm. 294, Tab. 310, 3. Crista Pavonis monospermos 3, sive Arbor Vespertilionis maxima Indica, Juglandis folio majore, floribus spicatis albicantibus, odoratis, siliqua nonnihil falcata, semine renali latissimo, Breyn. Prod. 2. 39. Flowers and leaves of two different plants. The leaves appear to be *Erythrina ovali-folia* Roxb.
391. Lignum Coral polyphyllum, D. Herman.
- *392. Corallinum Lignum. An Paradis. Bat. Prod. ? Pluk. Tab. 169, 1. *Beaumont*.
- *393. Small Mangroue. Barbados.
- *394. Cassia fistula Alexandrina, C. B. P. 403. H. Amst. p. 215. Cassia purgatrix, J. B. 1, 416. Cassia nigra, Dod. Pempt. 787. Cassia fistula vulgaris flore luteo, Breyn. Pr. 2. Cassia solu-tiva vulgaris, Park. Cassia fistula Officinarum, Ger. Arbor Cassiam solutivam ferens, Bontii. Conna H. Mal. 1. Quauhayohuatli, Hernand. *From India by the names of Quona chedde & Conee. Cassia Fistula* L.
- *395. C. fistula Lauri splendentibus alatis foliis acumine productis isthmo interceptis, Pluk. Alm. p. 89. *The greatest Cassia fistula. C. Fistula* L.
- *396. C. fistula è Cormandel. *C. Fistula* L.
397. C. fistula Barbadiensis. Probably refers to *C. Fistula* L.
- *398. Tamarindus officinarum, Ger. Park. J. B. 1, 422. Raii Hist. Bontii. Hernand. Siliqua Arabica quae Tamarindus, C. B. P. 403. Tamarindus Dioscoridis appellata, Prosp. Alp. *Sent from Fort S^t. George by D^r. Edw. Bulkley 1706. Bonduch. Tamarindus indica* L.
399. T. Americana siliqua fere orbiculata monospermos, Pluk. Alm. p. 361, Tab. 64, 4 a.
- *400. T. Bisnagarica siliqua productiore dispermos, seminibus veluti isthmo interceptis, Pluk. Alm. p. 361, Tab. 64. 4. *Albiz-zia* sp.

- *401. Carobe officinarum, Panis Sth Johannis Germanis et Belgis; Ceratonia, H. Leyd. Siliqua dulcis, C. B. P. Siliqua dulcis sive vulgator, Park. Siliqua arbor sive Ceratia, J. B. Ceratia siliqua sive Ceratonia, Ger. **Ceratonia Siliqua** L., 1026.
- *402. Acacia gloriosa Lentisci folio spinosa, flore spicato luteo siliqua magna muricata, Pluk. Alm. p. 4, Tab. 2, 2. Inimboy Brasiliens., Marcgrav. Bonduch, Zanoni. *Horned or Horse Kneekers. e Madrasp.* Cit. *Caesalpinia Crista* L., 380, *Guilandina Bonduc* L., ed. ii, 545 = **Caesalpinia Bonduc** Roxb.
Another sheet is **Capparis horrida** L. f.
- *403. A. Orientalis gloriosa Coluteae foliis rachi medio ad genicula solummodo spinis gemellis aculeata, Pluk. Alm. p. 5. Erythroxyllum Indicum minus spinosum coluteae foliis, siliquis angustioribus, flore ex luteo et rubro eleganter variegato, P. B. P. 1. Breyn Prod. 2, 37. Frutex Pavoninus ejusdem, Cent. 1. **Caesalpinia pulcherrima** Sw.
- *404. A. gloriosa spinis armata (cujus lignum Brasilea dictum) tinctoria, Pluk. Alm. p. 5. Crista Pavonis Coronillae folio 3, Breyn. Prod. 2. 37. Erythroxyllum Brasilianum spinosum foliis Acaciae, P. B. P. Santalum 5 vel Pseudo santalum rubrum sive Arbor Brasilia, C. B. P. *Lignum Sapan. Brasil wood?* **Caesalpinia** sp.
- *405. A. gloriosa spinis vidua Lentisci folio, Pluk. Alm. p. 5.
- *406. Crista Pavonis siliquis membranaceis. *Sent from Fort St. George by Dr. Edw. Bulkley 1705.* **Cassia auriculata** L.
Another sheet, *from Dr. Richardson*, is probably the same.
- *407. Acacia non spinosa Indiae Orientalis Coluteae foliis, floribus stamineis amplis, siliqua crustacea placentae in modum colorata, Pluk. Mantiss. p. 2, Tab. 331. **Albizzia Lebbeck** Benth.
Another sheet, *Caut Wallee Malabarorum, Acerry*, is probably **Cassia auriculata** L.
- *408. Tolabo Brasiliensium. ? **Mezoneuron enneaphyllum** W. & A.
- *409. Acacia Madraspatana spinosa Intsiae accedens cortice cinereo, ramulis communi pediculo binis, Pluk. Alm. p. 4, Tab. 2, 1. Cit. *Acacia cineraria* Willd. Sp. Pl. iv, 1057 = *Prosopis spici-gera* L., Mant. 1, 68, but the specimen appears to be **Acacia concinna** DC.
- *410. A. Madraspatana spinosa pinnis veluti lunulatis acutioribus Myrti aemulis, nervo pinnularum ad unum latus, vergente, Pluk. 4, Tab. 122, 2. Cit. *Mimosa Intsia* L., 522 = *Acacia caesia* Wight & Arn., but the specimens are probably **Mimosa rubioaulis** Lam.
411. Altera laevior, D. Du Bois.
412. Altera spinosa consimilis pinnis obtusioribus.

- *413. *Acacia tenuifolia* Madraspatana spinis brevibus recurvis albicantibus cortice fusco, Pluk. Alm. p. 4, Tab. 121, 6. *ex India Orient.* **Acacia Sundra** DC.
- *414. *A.* Madraspat. ramosior, spinosa, cortice cinereo, ramulis plerumque ex uno pediculo binis aculeis rectis brevioribus crassis, Pluk. Alm. 4, Tab. 121, 3. *ex Ind. Orient.* **A. Sundra** DC.
415. *A. altera* Madraspat. pinnulis ex adverso albicantibus, Rutrash caudamba dicta.
- *416. *A. Americana* grandibus aculeis ad ramulorum exortum, cornua bovina referentibus, siliqua rostrata, Pluk. Alm. p. 5, Tab. 122, 1. *Acacia Americana* cornigera siliquis in spinam abeuntibus, P. B. P. *Mimosa cornigera*, L. = **Acacia sphaerocephala** Cham. & Schlecht.
- *417. *A. Africana* spinis candicantibus horrida subrotundis foliis odoratissima, Pluk. Tab. 123, 1. ? **Acacia Senegal** Willd.
- *418. *A.* flore albo non spinosa, caulibus rubentibus.
- *419. *A. latifolia* non spinosa alata, sive ala claudente flore luteo globoso. ? **Albizzia** sp.
- *420. *A. Javanica* non spinosa, foliis maximis splendentibus, Hort. Beaumont, Cadawang Indigenis dicta, Pluk. Alm. p. 6, Tab. 123, 3.
- *421. *A. non spinosa* Ind. Orient, villosa caule, lobo corticoso praegrandi fusco, Chatamaram Malabar, Pluk. Mantiss. 2, T. 330, 3. **Albizzia stipulata** Boiv.
Another sheet, from *D^r. Richardson*, is a species of *Parkia*.
- *422. *A. non spinosa* Jamaicensis, foliolis lata basi in metae formam fastigiatis, Pluk. Alm. p. 6, Tab. 251, 2? **Mimosa arboorea** L.
- *423. *A. spinosa* Indiae Orient. foliis subtus caesiis, floribus globosis, luteis, Pluk. Mantiss. p. 2, 3, Tab. 330, 1. Cit. *Mimosa caesia* L., 522 = **Acacia caesia** Wight & Arn. (I. K.).
Another sheet, *Cheekana*, is probably a species of *Parkia*.
- *424. *A. Curassavica* flore rubro, Hort. Reg. Hampt. 222.
- *425. *A. Americana* Abruae foliis triacanthos, sive ad axillas foliorum spina triplici donata, ex Surinam, Pluk. Mant. Bot. p. 1, plant. 7, Fig. Amalth. Tab. 352, fig. 1. **Gleditsia** (*Gleditschia*) **triacanthos** L.
426. *A. non spinosa* minor è Quaracoa, sive Curassavica, flore albo globoso, Pluk. Alm. p. 6, Tab. 2, 3.
- *427. *A. Africana* Abruae foliis, aculeata, spinis longissimis, horrida, Pluk. Tab. 123, 2. Fragmentary specimen and a drawing. Cit. **Acacia reticulata** Willd. Sp. Pl. iv, 1056.

- *428. *A. Madraspatana* minutissimis foliis aculeis ferocibus alternis, frondosa, cortice cinereo, Pluk. Tab. 121, 5. *e Madrasp.* Cit. *Mimosa cinerea* L., 520 = *Dichrostachys cinerea* Wight & Arn.
- *429. *A. spinosa* foliolis perexiguis veluti crispatis, Madraspat., Pluk. Tab. 73, 3. *Ex Ind. Orient.* Two sheets, probably *Acacia eburnea* Willd.
- *430. *A. Aegyptiaca* Fab., Col. *Acacia* foliis Scorpioidis Leguminosae, C. B. P. *Acacia vera* Bellonii, J. B. *Coruvel. Acacia Aegyptiaca.* Seedling of *Acacia arabica* Willd.
- *431. *A. altera vera sive spina Mascatensis vel Arabica* foliis angustioribus, flore albo, siliquis longis, villosis, pluribus isthmis, et cortice candicante donata, Pluk. Alm. p. 3, Tab. 251, 1. Two sheets. Fruits of *A. arabica* Willd.
- *432. *A. Americana spinosa* floribus luteis siliquis membranaceis Hermannii.
433. *A. alt. Madrasp.* foliis longioribus. Ovelly Maram.
- *434. *A. Americana non spinosa*, floribus luteis, siliquis membranaceis. Leaf impression only.
- *435. *A. spinosa Indiae Orient.* floribus aureis stamineis, Tamarisci Narbonensium more in spicam dispositis, Pluk. Mantiss, p. 1. 5, Tab. 329, 2. *Wellnay cheddy.* Probably *Acacia planifrons* W. & A.
436. *A. spinosa Madraspatensis.* Sheca acherry. Pluk. Tab. 308, 3.
437. *A. alt.* flore globoso magis sparsa pediculo itidem longiore insidente, ex Ins. Di. Christopheri.
438. *A. ramosa* longiore folio. Darby.
439. An *Acacia coluteae* foliis ex Java, non spinosa siliquis longissimis? Hermannii.
- *440. *A. affinis Virginiana spinosa*, siliqua membranacea plana, floribus albis Papilionaceis in uvam propendentibus, Pluk. Alm. p. 6, Tab. 73, 4. *Glycyrrhiza* vel si mavis *Glycyrrhizae affinis spinosa arborescens Mauritanica Laburni* flore albo, Breyn. Pr. 2, p. 52. *Acacia Americana Robini.* Locus nostratibus dicta. *Robinia Pseudo-Acacia* L., 722.
- *441. *A. similis non spinosa ramulis alternis*, Madrasp., Pluk. T. 1, 5. Three sheets *ex Ind. Orient.* *Tamarindus indica* L.
442. *Gallegae affinis Malabarica arborescens* siliquis majoribus articulatis, Commelin. in not. H. Mal.

ARBORES FRUCTU MEMBRANACEO, SIVE ALA FOLIACEA DONATO,
FOLIIS INTEGRIS.

443. *Acer majus latifolium* foliis ex albo et viridi eleganter variegato, Pluk. Alm. 7. Hort. Edinb. ? *A. Pseudo-Platanus* L. var.

- *444. *A. majus folio rotundiore minusque laciniato*, Raii Hist. *An Acer mont. flavum sive crispum*, C. B. *Acer* sp.
445. *A. montanum flavum sive crispum*, C. B. P.
446. *A. montanum tenuissimis et acutis foliis*, C. B. *Aceris majoris* varietas, J. B. *Acer montanum Platani Orientalis foliis atrovirentibus*, Pluk. Alm. 7, Tab. 252, 1. Cit. *A. Platanoides* L., 1055.
- *447. *A. Virginianum folio majore subtus argenteo, supra viridi splendente*, Pluk. Tab. 2, 4. *Acer florescens*. Cit. *A. rubrum* L., 1055.
448. *A. maximum foliis trifidis et quinquifidis Virginianum*, Pluk. Tab. 123. *Negundo perperam credita*, R. H. Cit. *A. Negundo* L., 1056 = *Negundo aceroides* Moench.
449. *A. campestre et minus*, C. B. P. 431. *Acer vulgare minori folio*, J. B. 1, 166. *Acer minus*, Dod. Pempt. 840. Cit. *A. campestre* L., 1055.
450. *Idem foliis eleganter variegatis*. *A. campestre* L., var.
- *451. *A. trifolia*, C. B. P. 431. *Acer Monspeliensium*, Lugd., J. B. 1, 167, Pluk. Tab. 251, 3. *A. monspessulanum* L., 1056.
452. *A. Barbadiense Laurinis foliis, fructu tergemino, totidem membranulis extantibus alato*, Pluk. Tab. 3, 1.
453. *A. vel Paliuro affinis angusto oblongo Ligustri folio, flore tetrapetalo herbaceo*, D. Sloan C. Plant. Jam. p. 138. *Triopteris Indiae Orient. sive Arbuscula Amygdalae nanae foliis, dispermos, siliqua Thlaspios Diosc. ternis amplioribus extantibus alis donata, Waenella Ceylanensibus dicta*, Pluk. Alm. p. 377. *Verale cheddy*. Cit. *Triopteris jamaicensis* L., 428.
- *454. *An Aceris cognata Tiliae folio Benghalensis, fructu amplissimis membranulis circumcincto*, Pluck. Mantiss. p. 3? *Draco arbor Indica siliquosa Populi folio, Angsana vel Angsava Javanica*, Hort. Amst. fol. 213. *Draconis arboris fructus ex Carthagine, Monardes apud Clus. fol. 331. Gyrocarpus Jacquini Gaertn. = G. americanus* Jacq. (I. K.).
- *455. *Arbor tristis*, Park. 1644. *Arbor Malabar. folio Sambach Arabum, τεράκαρπος, sive quadripartito fructu, quatuor foliaceis secundum longitudinem extantibus alis donato*, Pluk. Tab. 263. 3? et ejusd. Tab. 83. 2. *Pauregera melle cheddo; et Paula mullee et Pawella mully. Sent from Bombay by my bro. Danl. du Bois 1702, also from Fort St. George by my sister Mary du Bois 1703, Veraily Cheddy & Verale Chedde. ? Terminalia* sp.
456. *Arbor è Cormandel vasculiferae, foliis amplis myrsinites rigidioribus nostras*, Raii Hist. Pluck. Tab. 13. 4.
457. *Carpinus sive Betulus*, Park., Ger. *Ostrya Ulmo similis fructu in umbilicis foliaceis*, C. B. P. 427. *Fagus sepium, vulgo Ostrys Theophrasti*, J. B. 1, 146. *Carpinus*, Dod. Pempt. 841.

- Aceris cognata, fol. oblongis serratis, rugosis, ad Ulmum accedentibus, Pl. Alm. 7. Cit. **Carpinus Betulus** L., 998.
- *458. C. Virginiana florescens, Pluk. Tab. 156, 1. Fagus florescens Virginiana Carpini foliis, H. Beaumont. *Flowering Beech*. Ostrya virginiana K. Koch = **O. virginica** Willd. (I. K.).
459. C. Zeylanica trifolia, Hampinna, Hermanni. Mullar connee, Malabarorum.
460. Ulmus campestris et Theophrasti, C. B. P. 426. Ulmus vulgaris folio lato scabro, Ger. 1480. Ulmus vulgaris cum samaris sive seminibus suis, Park. 1404. Ulmus, J. B. Cit. **Ulmus campestris** L., 225.
461. U. vulgari accedens Batavica major.
462. U. minor folii angusto scabro, Ger. 1481. Ulmus minor, Park. 1404.
463. U. minor foliis argenteis.
464. U. folio latissimo scabro, Ger. 1481. U. latiore folio, Park. 1404.
465. U. folio omnium latissimo scabro, seminibus amplioribus acuminatis.
466. Tilia folio minore, J. B. 187. Tilia foemina folio minore, C. B. P. 426. Tilia sylvestris, Trag. 1111.
467. T. foliis molliter hirsutis, viminibus rubris, fructu tetragono, Raii Synops. 316. Tilia sylvatica nostras foliis amplis hirsutiae pubescentibus, Pluk. Alm.
- *468. T. amplissimis glabris foliis, nostrati similis, è Terra Mariana, Pluk. Alm. **Tilia americana** L., 514.

ARBORES FRUCTU MEMBRANACEO, FOLIIS ALATIS.

469. Fraxinus vulgator, J. B. 1, 174. Fraxinus excelsior, C. B. P. 416. Fraxinus, Dod. Pempt. 833. Cit. **Fraxinus excelsior** L., 1057.
470. Eadem foliorum venis ex aureo variegatis. Fraxinus humilior, sive altera Theophrasti, minore et tenuiore folio, C. B. P. 416. Ornus, Lugd. 83. Cit. **F. Ornus** L., 1057.
471. Fraxinus tenuiori et minori folio. J. B. 1, 177.
472. F. Americana florida, Raii Hist. et Hort. Reg. Par. Fraxinus florifera, botryoides, Mor. H. R. Bles. Frequens in Italia inter Pisas et Florentiam. Cit. **F. Ornus** L., 1057.
- *473. Guajcum Jamaicense Lentisci subrotundis foliis laete virentibus, flore albo, Pluk. Tab. 35. 3. Guajcum folio Lentisci, C. B. P. Guajcum offinarum, Dale 494. Guajcum sive Lignum sanctum, Park. Guajcum Americanum primum fructu Aceris, sive Legitimum, Breyn. I. P. Guayacan, Hernand. Lignum vitae vulgò. *Lignum vitae or Guaiacum, whose fruit is yellowish.* **Guajacum officinale** β L., 382.

- *474. *Guajecum Curassavicum Rusci foliis alatis*, Packhout vulgo, Hort. Reg. Hampt. 148. *G. sanotum* L., 382.

ARBORES LANIGERAE NON JULIFERAE.

475. *Platanus Orientalis pilulis amplioribus*, Hort. Leyd. *Platanus Orientalis vera*, Park. 1427. *Platanus*, J. B. I, 170. Dod. Pempt. 842. Cit. *Platanus orientalis* L., 999.
476. *P. inter Orientalem et Occidentalem media*.
477. *P. Occidentalis aut Virginensis*, Park. 1427. Cit. *P. occidentalis* L., 999.
- *478. *Pseudo Platanus Virginensis odorata pilulis majoribus tuberculis extantibus donatis*. *Acer odoratum Virginianum*, H. Leyd. *Styrax arbor Virginiana Aceris folio*, H. Amst. p. 191. Honor Belli, C. B. Prod. *Platanus Virginiana Styracem fundens*, Raii Hist. *Liquid-Ambari arbor, sive Styracifera, Aceris folio, fructu tribuloide*, Pluk. Tab. 42, 6. *Liquidambar styraciflua* L.
479. *Gossipium Indicum maximum foliis salicis fructu quinque-capsulari*, Raii. *Arbor Lanigera Bontii*. Panja Panjola, H. Mal. P. B. P., H. R. H. 89. Probably refers to *Bombax pentandrum* L. = *Eriodendron anfractuosum* DC. = *E. pentandrum* Kurz.

ARBORES JULIFERAE ET LANIGERAE.

480. *Populus nigra*, C. B. P. 429. *Populus nigra sive άγαιρος*, J. B. I, 155. Dod. Pempt. 836. Cit. *Populus nigra* L., 1034.
- *481. *P. alba folio minore*, J. B. I, 160. *Populus alba minoribus foliis*, Park. C. B. P. *Populus alba*, Dod. Pempt. Label in Dillenius' handwriting. Cit. *P. alba* L., 1034; but the specimen is a form of *P. tremula* L.
- *482. *P. alba majoribus foliis*, C. B. P. 429. *Populus alba*, J. B. I, 160. Label in Dillenius' hand. *P. alba* L.
483. *P. tremula*, C. B. P. 429. *Populus Lybica, κερπὶς* Theophrast., J. B. I, 163. *Populus Lybica*, Dod. Pempt. 836. Cit. *P. tremula* L., 1034.
484. *Salix latifolia rotunda*, C. B. P. 474. *Salix latifolia inferne hirsuta*, J. B. I, 215. *Salix caprea rotundifolia*, Tab. icon. 1038. Cit. *Salix Caprea* L., 1020.
485. *S. folio ex rotundo acuminato*, C. B. P. 474. *Salix caprea latifolia*, Tab. 1038.
486. *S. caprea longo et acuto folio*.
487. *S. vulgaris alba arborescens*, C. B. P. 473. *Salix maxima fragilis, alba, hirsuta*, J. B. I, 212. *Salix arborea angustifolia alba vulgaris*, Park. Cit. *S. alba* L., 1021.
488. *S. folio laureo sive lato glabro odorato*, Raii. Cit. *S. pentandra* L., 1016.

489. *S. folio auriculato splendente flexilis*, Raii. *Salix folio Amygdalino*, utrinque virente aurito, C. B. P. 473. *Salix spontanea fragilis*, Amygdalino folio, auriculata et non auriculata, J. B. 1, 214. Cit. *S. triandra* L., 1016.
490. *S. angustis et longissimis foliis crispis subtus albicantibus* Raii, J. B. 1, 212. *Salix oblongo incano folio*, C. B. Prod. 159. Cit. *S. viminalis* L., 1021.
491. *S. foliis tenuissimis angustis subtus albicantibus*, J. B.
492. *S. foliis longissimis crispis utrinque viridibus, viminibus rubris*. An *Salix vulgaris rubens*, J. B. *Salix rubra minime fragilis*, folio longo angusto, C. B. P. ? *Angustifolia purpurea sive nigra*, Park ? ? *S. purpurea* L.
- Salices quaedam restant minores, quae quanquam ad staturam Arboris nunquam exporrectae sint ; ob congruentiam tamen nativam, debitamque proximitatem, et quae Frutices (quos jam pene attingimus) introducere haud inaptae sint, consortibus locum statuere potius quam disjungere aequum judicavimus.
493. *S. folio lato splendente fragilis*, Raii. *Salix fragilis*, C. B. P. 474. *Salix spontanea fragilis Amygdalino folio auriculato*, J. B. Cit. *S. fragilis* L., 1017.
494. *S. humilior foliis angustis subcaeruleis, ex adverso binis*, Raii. Cit. *S. Helix* L., 1017.
495. *S. minor Batavica foliis ex adverso binis subcaeruleis*.
496. *S. pumila angustifolia prona parte cinerea*, J. B. 1, 213. *Salix pumila linifolia incana*, C. B. P. 474. *Salix pumila angustifolia recta*, Park. *Chamaeitea sive Salix pumila*, Ger. 1 Clus. H.
- *497. *S. pumila montana folio rotundo*, J. B. Cit. *S. reticulata* L., 1018 ; but the specimen is *S. herbacea* L.
- *498. *S. Salviae foliis*. An *Salix foliis candicantibus utrinque lanuginosis*, Tournefort ? è Lusitania. *S. salviaefolia* Brot. = *S. oleaefolia* Vill.
- *499. *S. humilis argentea*. *S. repens* L., var. *argentea* (Sm.).

FRUTICES.

Frutices lignosa quoque constant substantia, per se sistentes, sed nec crassitudine nec altitudine Arboribus aequales, ut plurimum multicaules, seu ex plurimis stolonibus compositi, qui non meremii molem nec crassitiem acquirunt. In quorum dispositione, ductum Naturae et Arborum praecedentium (quantum licuit) sequentes, observavimus.

- *500. *Frutex Aethiopicus conifer fructu parvo, sparsim inter folia Rusci seminibus cylindraceis*, Pluk. Tab. 297, 2. *Cliffortia ruscifolia* L. 1038.

- *501. *Myrtus Brabanticae accedens Africana conifera*, Pluk. Tab. 48. 8. *Arbor Conifera odorata foliis salicis rigidis leviter serratis*, R. H. 1800. *Laurus odorata Barmudensium vulgo. et e Virginia, Chelsey. Myrica cerifera* L.

FRUTICES NUCIFERI.

502. *Nux vesicaria*, Trag., Dod., Ger. *Staphylodendron* Matth. J. B. 1, 274. *Pistacia sylvestris*, C. B. P. 401. Cit. *Staphylea pinata* L., 270.
503. *Staphylodendron Virginianum trifoliatum*, Hort. Leyd. Tournefort. *Pistacia Virginiana sylvestris trifolia*, H. Reg. Bles. Cit. *Staphylea trifolia* L., 270.
504. *Staphylodendron Africanum semper virens, foliis splendidibus*, H. Amst. p. 187. *Staphylodendron Africanum folio lucido*, P. B. P., Pluk. Tab. 317, 5. Cit. *Royena lucida* L., 397.
505. *The Sinensium, sive Tsia Japonensibus*, Breyn. Cent. 1. p. 111. *Chaa herba in Japonia*, C. B. P. 147. J. B. Tom. 3, c. 1, p. 5. Cit. *Thea sinensis* L., 515 = *Camellia Thea* Link.

FRUTICES PRUNIFERI.

506. *Amygdalus Indica nana*, H. Reg. Par. *Amygdalus pumila*, H. R. B., Pluk. Tab. 11. 3. *Amygdalus nana*, Munting Hist. 34. Cit. *Amygdalus nana* L., 473 = *Prunus nana* Stokes.
507. *A. Persica nana flore carneo pleno Africana*, Pluk. 11, 4. *Persica malus Africana nana flore incarnata pleno*, Hort. Leyd.
508. *Cornus hortensis mas*, C. B. P. 447. *Cornus sativa sive domestica*, J. B. 1. 210. *Cornus*, Clus. Hist. 12. Cit. *Cornus mas* β L. 117.

FRUTICES BACCIFERI MONOPYRENI, FOLIIS DECIDUIS.

509. *C. foemina*, C. B. P. 447. Lob. Icon. 169. *Cornus foemina putata Virga sanguinea*, J. B. 1, 274. *C. sanguinea* L., 117.
510. *Amomum Virginianum Euonymo Virginianae simile floribus et fructu sparsim erumpentibus*, Pluk. Tab. 11, 2. *Amomum Virginianum Corni foe. facie*, R. H.
- *511. *Cornus foemina Laurifolia, fructu nigro caeruleo, ossiculo compresso, Virginiana. Cornus Americana sylvestris domesticae similis, bacca caerulei coloris elegantissima*, Pluk. Tab. 169, 3. Two sheets, *Amomum Virginianum v. Pluk. Cornus Amomum* Mill.
512. *C. foemina Americana serratis foliis*. Black Haw. The latter is the American name for *Viburnum prunifolium* L.
- *513. *C. mas Virginiana flosculis plurimis albidis ex involucrio tetrapetalo rubro erumpentibus*, Pluk. Alm. 120. Tab. 26, 3. *C. florida* L.

- *514. *C. mas Virginiana* flosculis in corymbo digestis, a perianthio tetrapetalo albo radiatim cinctis, Pluk. Alm. 120. *C. florida* L.
515. *Viburnum* Matth., Park. *Viburnum* vulgo, C. B. P. *Lantana* vulgò, aliis *Viburnum*, J. B. 1, 157. Cit. *Viburnum Lantana* L., 268.
516. *V. Americanum odoratum*, *Urticæ* foliis latioribus, Lamii odore, spinosum, floribus miniatis, H. Amst. p. 151. P. B. P., Pluk. Tab. 233, 5. *Camara tinga*, Pis. Cit. *Lantana Camara* L., 627.
- *517. *V. Americanum non spinosum*, *Melissæ* foliis, floribus coccineis, P. B. P., Pluk. Tab. 114, 4. L. *Camara* L.
- *518. *V. Cisti foeminae et salviae* foliis mucronatis *Americanum* odoratum minus floribus incarnatis, P. B. P. Flore carneo, Breyn. Prod. 1. *Lantana* sp.
- *519. *V. salviae* foliis obtusis floribus albis, P. B. P. Pluk. Alm. p. 380. L. *involucrata* L.
520. *V. Americanum odoratum* flore albo.
521. *Viburni facie Arbor Americana*. Pidgeon wood, Barbadiens. ? *Guettarda argentea* Lam.
522. *Sambucus aquatica* flore simplici, C. B. P. 456. *Sambucus aquatica*, J. B. 1, 552. *Sambucus palustris* et *aquatica*, Park. *Opulus Ruelii*, 281. Tourn. Cit. *Viburnum Opulus* L., 268.
523. *S. aquatica* flore globoso pleno, C. B. P. 456. *Sambucus rosea*, J. B. 553. *Sambucus rosea* sive *Aquatica*. Lob. icon. 201. Cit. *V. Opulus* var. β *rosea* L., 268.
524. *Rhamnus Salicis folio angusto fructu flavescente*, C. B. P. 477. *Rhamnus* sive *Oleaster Germanicus*, J. B., Cordi. *Rhamnus 2^{dus}* Matth., Dod. *Rhamnus primus* Diosc., Adv. Lob., sive *littoralis*, Park. Cit. *Hippophae Rhamnoides* L., 1024.
- *525. *R. spinis albis* flore candicante, C. B. P. 477. *Rhamnus* cortice albo *Monspeliensium*, J. B. *Rhamnus primus*, Matth. *Hausegi* sive *Rhamnus primus*, *Rauwolf*. *Lycium europaeum* L.
- *526. *R. alter* foliis salsis flore purpureo, C. B. P. 477. *Rhamni* 1, *Clusii* species altera, J. B. Park. Dillenius has written, *This is not Clusius plant, but ye African sort, gathered from ye Bishop of London Plants, which I call Rhamnus Capensis elatior & ferocior foliis angustis confertis. Ye same with Pluk. Tab. 322. f. 2 & 315. f. 5 & Petiv. Gaz. T. 72. f. 3.* *Lycium afrum* L.
- *527. *R. Americanus Monspeliacæ similis*, flore et fructu majore, P. B. P., inter Addenda, H. Reg. Hampt. 265.
- *528. *R. an potius Lycium*, *Fingrego Jamaicensibus* dictum, Pluk. Tab. 108, 2 ? *Ex Ind. Orient.* Cit. *Pisonia aculeata* L., 1026.
529. *R. Hispanicus Buxi folio*. Tourn. El. Bot. 593, v.

530. *Laureola folio deciduo, sive Mezereon Germanicum*, J. B. 1, 566. *Chamaelaea Germanica*. Dod. Pempt. 364, Trag., Lob. *Laureola folio deciduo flore purpureo*, C. B. P. 462. *Piper montanum*, Anguil. Gesn. *Thymelaea Lauri folio deciduo, sive Laureola foemina*, Tourn. 595. Cit. *Daphne Meze-reum* L., 356.
531. *Eadem flore albido fructu flavescente*, Pluk. Alm. Tourn. 595.
532. *Eadem foliis ex albo eleganter variegatis*.
533. *Laureola foliis deciduis angustioribus sinuatis et veluti crispatis*.
- *534. *Thymelaea foliis Lini*, C. B. P. 463. *Thymelaea Monspeliaca*, J. B. 1, 591. *Thymelaea*, Clus. Hist. 87. *Daphne Gnidium* L., 358.
- *535. *T. foliis Polygalae glabris*, C. B. P. 463. *Sanamunda viridis vel glabra*, Prod. 160. *Sanamunda glabra*, J. B. 1, 593. *Thymelaea Alpina glabra flosculis subluteis ad foliorum ortum sessilibus*, Pluk. Tab. 229, 2. Two sheets. **D. Thymelaea** L.
- *536. *T. quaedam incana Genevensis, Raii ext. Thymelaea incana Mezerei folio et facie succulis ad modum fragilibus*, Pluk. Tab. 229, 3. **D. alpina** β L.
- *537. *T. foliis Kali lanuginosis salsis*, C. B. P. 463. *Sanamunda 2^a*, Clus. Hist. 88, J. B. 1, 595. To this sheet three specimens are attached; one is *Thymelaea tinctoria* Endl.; another, *è Lusit. Tourn.*, is probably *T. canescens* Endl.; the third specimen refers to No. 539 infra.
538. *T. an Cneoro albo affinis*. C. B. 463, et *Jaceae Oleae folio affinis*, Ejusd. C. B. 272.
- *539. *T. tomentosa foliis sedi minoris*, C. B. P. 463. *Sanamunda 3*, Clus. Hist. 89, J. B. 1, 195. Affixed to sheet 537. *Passerina hirsuta* L.
- *540. *T. Africana Sanamundae facie, ericae foliis angustissimis*, P. B. P., Pluk. Tab. 228, 9. **P. ericoides** L.
- *541. *T. foliis candicantibus serici instar mollibus*, C. B. P. 463. *Tartonraire Gallo-Provinciae Massiliensium*, Lob. Icon. 371, Pluk. Tab. 318, 6. *Tartonraire Massil. Sanamund. 1*. Clus., J. B. 1, 593. *Gutwort or trouble belly. Thymelaea Tartonraira* All.
- *542. *T. Cap. Bon. Spei Rorisimarini folio angustiore capite lanuginoso*, Mus. Pet. 486.
- *543. *T. capitata angusto salicis folio*, Promnt. B. Spei, Pluk. Tab. 229, 6. **Aulax cneorifolia** Knight.
- *544. *T. capensis sericeis longioribus foliis acutis, caule geniculato piloso*, Pluk. Tab. 229, 4. *Fortè Thym. Aethiop. Passerinae foliis Breyn Cent. 1. A. cneorifolia* Knight.
545. *T. Sabaudica folio utrinque incano flore albo*, Raii H. 1588.
- *546. *T. capitata glauca flore carneo, è Smyrna*, D. Sher.

- *547. *T. Africana* Rorismarini folio angustissimo brevior. Oldenland. Tourn. El. Bot. p. 594.
- *548. *T. Capensis* Nepae Theophrasti foliis aculeatis flore parvo purpureo, Pluk. Tab. 229, 5.
- *549. *Sanamunda* pumila Lusitanica. Viridar. Lusit. Tourn.
550. *T. affinis*, Amsterdam.
- *551. *Chamaelaea Alpina* folio inferne incano, 2. C. B. P. 462. *Chamaelaeae* genus aliud, Clus. Hist. 87. *Daphne oleoides* Schreb.
- *552. *Rhus Coriaria*, Dod. 779. *Rhus* folio Ulmi, C. B. P. 414. *Rhus* sive Sumach, J. B. 1, 555. ***Rhus Coriaria* L.**
- *553. *R. Virginianum*, C. B. P. App. 517. Cit. *R. typhinum* L., ed. ii, 380; but the specimen is ***R. Copallinum* L.**
- *554. *R. tenuifolia humilis* Virginiana, Pluk. Alm. *Rhus* angustifolium, C. B. P. in Prod. descript. 158. Cit. *R. glabrum* L.; but the specimen is ***R. Copallinum* L.**
- *555. *R. Virginianum* ramis et stipitibus pullulantibus glabris, Cat. Banist. *Rhus* Canadensis fol. longiore utrinque glabro, Tourn. ***R. glabrum* L.**
- *556. *R. Obsoniorum* similis Americana Gummi candidum fundens, non serrata, foliorum rachi medio alata, Pluk. Tab. 56, 1. *Rhus* Virginianum Lentisci foliis, Banist. Cat. Virgin. ***R. Copallinum* L.**
557. *R. Virginianum* Lentisci folio hirsutiae candida pubescente.
- *558. *R. Obsoniorum* similis Peruviana, serratis Fraxini pinnatis foliis, summa singulari pinna alas claudente longius exprorecta, Pluk. Alm. ? ***Boswellia serrata* Roxb.**
559. *R. Obsoniorum* similis leptophyllos, tragodes Americana, spinosa, rachi medio appendicibus aucto, Pluk. Tab. 107, 4. Fingregio et sabina arbor (i. e) savin tree Barbadiensibus nostratibus dicta. Gale frutex Americana scolopendriae folio, Pet. Cent. 8. Cit. ***Fagara Tragodes* L.**, ed. ii, 172.
- *560. *R. Myrti* folia Belgica, C. B. P. *Myrtus* Brabantica sive *Eleagnus* Cordi, Ger. Gale frutex odoratus septentrionalium, J. B. ***Myrica Gale* L.**
- *561. *Myrtus* Brabanticae affinis Americana foliorum laciniis Asplenii modo divisis, Julifera, simul et fructum ferens, Pluk. Tab. 100, 6. *Forte Canambayo Brasiliens. Marchgr.* ***M. asplenifolia* L.**
- *562. *M. Brabanticae* similis Caroliniensis, baccifera, fructu racemose sesseli monopyreno. *Candle tree*. Pluk. T. 48, 9. *Tallow wood*, Darby. ***M. cerifera* L.**
563. *Gale Capensis* Ilicis coccigerae foliis, Mus. Pet. 774. Cit. ***M. cordifolia* L.**, 1025.
- *564. *Cotinus Matthioli*, C. B. P. *Cotinus* coronaria, Dod. Pempt. 780. *Coccigria* sive *Cotinus* putata, J. B. 1, 494. ***Rhus Cotinus* L.**

- *565. *Vitex* sive *Agnus castus* folio angusto, Park. *Vitex* foliis angustis cannabis modo dispositis, C. B. P. 475. *Agnus* folio non serrato, J. B. 1, 205. *Vitex Agnus Castus* L.
- *566. *V.* sive *Agnus* minor foliis angustissimis, H. Reg. Par. *V. Agnus Castus* L., *forma*.
- *567. *V.* sive *Agnus* flore exalbidi, H. R. P. *V. Agnus Castus* L., *flore albido*.
- *568. *V.* latiore folio, C. B. P. 475. *Agnus* latiore folio serrato, J. B. 1, 205. *V. Agnus Castus* var. β L.
- *569. *V.* *Orientalis* angustis foliis, semper tripartito divisis, Pluk. Tab. 321, 1. *Nucheela Cheddy*. *V. Negundo* L.
570. *Agni casti* species foliis latioribus trifidis Madrasp. Mille addy, et Mila Larree ela. An *Arbuscula* Barbadiensium amplexicaulis triphylla, Pluk. Tab. 145, 4 ?
571. *V.* *Africana* trifoliata major foliis obtusis et incisissimis hirsutis pubescentibus. *Rhus Africanum*, &c., Pluk. Tab. 213, 7. Cit. *Rhus tomentosum* L., 266.
572. *V.* *Africana* trifoliata major foliis subtus argenteis acutis et margine incisissimis. *Rhus* Afric. &c. Pl. T. 219, 6. Cit. *R. angustifolium* L., 267.
573. *V.* *Africana* trifoliata major foliis angustis dentatis utrinque viridibus. *Vitex trifolia* minor Indica serrata, H. Amst. p. 179. Bemnosi, H. Mal. Tom. 2. *Negunda mas*, *Acostae*. *Vitex Negundo* L.
- *574. *V.* *Africana* trifoliata major folio subrotundo integro molli et incano. *Rhus Africanum* trifoliatum &c. Pluk. Tab. 219, 8. ? *Rhus parvifolia* Harvey.
- *575. *V.* trifolia minor Indica rotundifolia, Breyn. Prod. 2, Hort. Amst. p. 181. Caranosi, H. Mal. Part. 2. *Negunda foemina*, *Acostae*. *Rhus Africanum* trifoliatum minus glabrum splendens folio subrotundo integro, Pluk. Tab. 219, 9. Cit. *R. lucidum* L.
576. *Viticis trifoliatae* facie frutex Salawaccensis floribus juliformibus. *Rhus trifoliatae* facie &c. Mus. Pet. 678. Tatto-marram Indigenis. Pluk. Tab. 267, 4. Cit. *R. Cobbe* L., 267 = *Allophylus Cobbe* Blume.
- *577. *Rhus Africanum* trifoliatum majus foliis subtus argenteis acutis et margine incisissimis, Pluk. Tab. 219, 6. Two sheets; one, with the above name only, is *R. angustifolium* L. The second sheet, labelled *Vitex trifolia* minor Indica serrata Bren. Prod. 2. Bem-nosi H. Mal. Part. 2, *Negunda mas* *Acostae*, Hort. Amst. Part 1. p. 179, with Plukenet's name also, is *R. tomentosum* L.
578. *Cassia Poetica* Lobelii, Ger. *Cassia Poetica* Monspeliensium, Park. *Cassia lignea* Monspeliensium, J. B. *Osyris frutescens* baccifera, C. B. P., Magnol. p. 54. *Cassia quorundam*, Clus. Hist. 91.

579. *Arbuscula Zeylanica* floribus umbellatis luteis fructu nigro cerasino, Pluk. Tab. 276, 4.
- *580. *Calabura alba*, P. B. P., Pluk. Tab. 152, 4. *Mespilus Americana* Alni vel Coryli foliis fructu mucaginoso albo, H. Amst. p. 155. Cit. *Muntingia Calabura* L.
- *581. *C. rubra* foliis Laurinis, P. B. P., Pluk. Alm. p. 75.
582. *Baccifera Madraspatana* Ribis more floribus mucosis Juli instar, Pet. Mus. 621, p. 56. *Pullachy maram*, D. Du Bois. *Tajeramcottam*, H. Mal. Tom. 5, Tab. 11. Cit. *Antidesma alexiteria* L., 1027.
- *583. *B. chusanens*. *Ligustri* facie, Act. Philosoph. No. 286. Petiver's specimen. Dillenius has written, *non respondet descriptio*.

FRUTICES BACCIFERI, MONOPYRENI SEMPER VIRENTES.

- *584. *Phillyrea folio Ligustri*, C. B. P. 476. *Phillyrea latiusculo folio*, J. B. 539. *Phillyrea* 3¹, Clus. Hist. 52. Two sheets, forms of *Phillyrea media* L.
585. *P. folio leviter serrato*, C. B. P. 476. *Phillyrea folio Alaterni*, J. B. 1, 541. *Phillyrea* 2^a, Clus. Hist. 52. *P. latifolia* L., 8.
- *586. *P. latifolia spinosa*, C. B. P. 476. *Phillyrea folio Ilicis*, J. B. 1, 541. Clus. Hist. 1. 51. Two sheets; one is *P. latifolia* L.; the other sheet bears two forms of *P. media* L.
- *587. *P. angustifolia* 1^a, C. B. P. 470. *Phillyrea angustifolia*, J. B. 1, 538. *Phillyrea* 4^a, Clus. Hist. 52. A specimen from *Tournefort e Lusitania*. *P. angustifolia* β L.
588. *P. angustissimo folio Lusitanica*, D. Petiver. ?*P. angustifolia* β L.
- *589. *Laurustinus Lusitanica caerulea bacca*, Park. *Viburnum Tinus* L.
- *590. *L. alter* vel 2, Clus., Park. *Laurus sylvestris foliis venosis*, C. B. P. 461. *Tinus altera*, J. B. V. *Tinus* β L.
591. *Laurus sylvestris Corni foeminae foliis subhirsutis*, C. B. P. 461. *Laurustinus sive sylvestris prior*, J. B. 1, 418. V. *Tinus* L.
- *592. *Laurustinus Zeylanica glabra*, Hermannii. *Bacca preto*, Lusitan., *Denghas Indorum*. Cit. (*Danighas*) Linn. Fl. Zeyl. p. 82, *Myrtus caryophyllata* L. = *Eugenia caryophyllaea* Wight (I. K.) = *E. corymbosa* Lam.
- *593. *L. Madraspatanus trifoliatus*, Petiver. *Punanchidde Malabarorum*. *Eugenia* sp.
- *594. *L. Virginensis glaber, vulgari similis*. *Virginia*. *Viburnum nudum* L.
- *595. *L. Indica longiore folio lucido*. *Tuccal Chedde*. D. Du Bois. *Eugenia* sp.

596. *Laureola semper virens* flore luteolo, J. B. 1, 564. *Laureola semper virens* flore viridi, quibusdam *Laureola mas*, C. B. P. 462. *Laureola*, Dod. Pempt. 365. *Thymelaea Laurifolia* semper virens, sive *Laureola mas*, Tourn. Cit. *Daphne Laureola* L., 357.
597. Frutex baccifer è Cormandel Rorismarini obtusis et veluti punctatis foliis plurimis, ex uno tuberculo provenientius, Pluk. Alm. p. 159, Tab. 31, 1. 15 Raii Hist. p. 1081.
598. Arbuscula baccifera Canariensis *Syringae caeruleae* foliis, venis purpurantibus, fructu monopyreno, Pluk. Alm. p. 42. Yerva mora Hispanorum.
599. Arbor Sinensis *Canellae* foliis minoribus, trinervis prona parte villosis, fructu Caryophylli aromatici villis similiter obducto, ex Ins. Crocodilorum, Pluk. Amalth. p. 21, Tab. 372.

FRUTICES BACCIFERI DIPYRENI.

600. *Ligustrum*, J. B. 1, 528. *Ligustrum Germanicum*, C. B. P. 475. *Phillyrea*, Dod. Pempt. 775. Cit. *Ligustrum vulgare* L., 7.
601. *L. foliis ex luteo variegatis*, Hort. Reg. Par. *Ligustrum variegatum*, Munting Hist. 254. ? A variegated variety of *L. vulgare* L., 7.
- *602. *L. Aegyptiacum*, C. B. P. *Ligustrum Indicum*, *Alcanna dictum*, Bontii. Perhaps a cultivated specimen of *Lawsonia inermis* L., 349 = *L. alba* Lam. (I. K.).
603. *Berberis dumetorum*, C. B. P. 454. *Berberis* vulgo quae *Oxyacantha putata*, J. B. 1, 52. *Spina acida* sive *Oxyacantha*, Ger., Dod. P. 750. Cit. *Berberis vulgaris* L., 331.
604. *Periclymenum rectum* fructu rubro, Ger., J. B. 2. 106. *Chamaecerasus Alpina* fructu rubro gemino, C. B. P. 451. *Xylosteum*, Dod. Pempt. 412. Cit. *Lonicera Xylosteum* L., 174.
605. *P. rectum Germanicum*, Ger. *Chamaecerasus dumetorum* fructu gemini rubro, C. B. P. 451. Cit. *L. Xylosteum* L., 174.
606. *P. rectum* fructu caeruleo, J. B., Park., Ger. *Chamaecerasus montana* fructu singulari caeruleo, C. B. P. Cit. *L. caerulea* L., 174.
- *607. *Onopliae* species *Bellonii*, *Hermanni*. Three sheets, collected by Hermann in Ceylon. Two are *Glochidion* sp. A third, *Arbor Zeylanica vicem croci supplens. Welikaha*, is *Memecylon edule* Roxb.
- *608. Frutex baccifer Indicus trifolius spinosus, floribus spicatis, fructu plano rotundo bicocco, Raii Hist. Kaka Todalli, H. Mal. Tom. 5. p. 81. Pluk. Tab. 95, 5. *Mulla Carunny*. Three sheets. *Paullinia asiatica* L. = *Toddalia asiatica* Lam.

FRUTICES BACCIFERI TRIPYRENI SEMPER VIRENTES.

609. *Chamaelaea tricoccos*, C. B. P. 462, J. B. 1, 584. *Chamaelaea*, Dod. Pempt. 363. Cit. *Cneorum tricoccon* L., 34.
- *610. *Sabina sterilis*, Ger., J. B. *Sabina vulgaris*, Park. *Sabina folio Tamarisci* Diosc., C. B. P. Dillenius specimen. Cit. *Juniperus Sabina* L., 1039.
- *611. *S. folio Cupressi altera*, C. B. P. Dillenius' specimen. Cit. *J. Sabina* ♂ L., 1039.
612. *Alaternus sive Phylica elatior*, C. B. P. 476. *Alaternus* 1, Clus. Hisp. p. 56. *Spina Bourgi Monspelienisium*, J. B. 1, 542. Cit. *Rhamnus Alaternus* L., 194.
- *613. *A. forte sive Phylica foliis angustioribus et profundius serratis*, Hort. Indg. **R. Alaternus** L.
- *614. *A. aurea*, seu foliis ex luteo variegatis, H. R. P., H. R. B. ? **R. Alaternus** L., *forma*.
615. *A. argentea sive foliis ex albo variis*, Pluk. Alm. ? **R. Alaternus** L., *forma*.
- *616. *A. latifolia major limbis purpureis Africana*, Pluk. Tab. 256. *Fulham*. Barren shoot, which suggests a broad-leaved variety of **R. Alaternus** L.
- *617. *A. minima Buxi minoris folio*, H. Reg. Par.
- *618. *A. Hysicanensis Africana Lauri serratae odoratae stapelianae foliis*, H. Beaumont, Pluk. Tab. 126, 1. *Ceanothus africana* L. = **Noltea africana** Reichb.
- *619. *Alaternoides Africana Telephii legitimi Imperati folio flore viridi*, H. Amst. Part 2, p. 3.
- *620. *A. Africana ericae foliis, floribus albicantibus et muscosis*, H. Amst. Part 2, p. 1. Cit. *Phylica ericoides* L., 195, but the barren specimen does not appear to be this species.
621. *Buxus arborescens*, C. B. P. 471. *Buxus*, J. B. 1, 496. Cit. **Buxus sempervirens** L., 983.
622. *B. major foliis per limbum aureis*, H. R. P. *Aureus major*, Munt.
623. *B. minor foliis ex luteo marmoratis*.
624. *B. minor foliis ex aureo eleganter variegatis*.
- *625. *B. Africana rotundifolia serrata*, P. B. P. Carbon impression. Cit. **Myrsine africana** L., 196.
- *626. *Buxo affinis Emuyaca folio nigro*, Act. Phil. No. 286, p. 1422. *Pluk. T. 361, f. 2. Chus: 64, Petiver.* ? **Myrsine** sp.
- *627. *Erica baccifera* Matth., J. B. 1, 526. *Erica baccifera procumbens nigra*, C. B. P. 486. An *Erica Coris folio*, 11 Clus. Hist. 45. **Empetrum nigrum** L., 1022.
- *628. *E. erecta baccifera*, C. B. P. 7 Clus. Hisp. 117. ? **Erica** sp.

- *629. *E. erecta* baccis candidis, C. B. P. 486. *Erica baccifera* Lusitanica, J. B. 1. 528. *Camarinna Lusitanica erecta*, Mus. Pet. 573. *Empetrum Lusitanicum fructu albo*, Tourn. El. Bot. 450, J. R. H. 579. *Tournefort à Lusit.* *Empetrum album* L. = *Corema album* D. Don.
630. *E. Coris folio* x, Clus. Hist. p. 45. Two distinct plants on the same sheet. One, *Simocheilus glabellus* Benth.; the other, *Passerina filiformis* L.

FRUTICES BACCIFERI TRIPYRENI FOLIIS DECIDUIS.

631. *Sambucus vulgaris*, J. B. 1, 544. *Sambucus fructu in umbella nigro*, C. B. P. 456. *Sambucus*, Dod. Pempt. 843. Cit. *Sambucus nigra* L., 269.
632. *S. fructu albo*, Park., Lob. Icon. 162. *Sambucus fructu in umbella viridi*, C. B. P. 456. *Sambucus acinis albis*, J. B. Cit. *S. nigra* var. β L., 270.
633. *S. humilior foliis variegatis*, H. Edinb.
- *634. *S. racemosa rubra*, C. B. P. 456. *Sambucus racemosa acinis rubris*, J. B. 1, 551. *Sambucus montana racemosa*, Lob. Icon. 163. *S. racemosa* L.
635. *S. laciniato folio*, C. B. P. 456. *Sambucus laciniata*, J. B. 1, 549. *Sambucus lacinoso folio*, Dod. Pempt. 845. Cit. *S. nigra* var. γ *laciniata* L., 270.
636. *S. serò florens*.
- *637. *Lycium Buxi folio*, C. B. P. 478. *Lycium Buxi foliis rotundioribus Syriacum vel Persicum*, Breyn. Prod. 2. *Lycium Italicum* Bodaei a Stapel, Pluk. Tab. 96, 6.
- *638. *L. minus cordatis Buxi foliis Madraspatan.*, Pluk. Tab. 97, 7. *Ex Ind. Orient.*
- *639. *L. cordatis foliis magis ramosum spinis rectis à Madraspatan.*, Pluk. Tab. 201, 7.
640. *L. Myrti foliis subrotundis Americanum lactescens, limbis foliorum argenteis*, Pluk. Tab. 97, 7.
- *641. *L. subrotundis foliis Malabaricum spinis brevibus, crassis, recurvis, ex uno versu conjugatis armatum*, Pluk. Tab. 305. 5. *Sent from Fort St. George by these names, Chirgulla, SIRRUCULLAR. Pluk. Phyt. t. 305 f. 4. potius T. 55, 6. Carissa* sp.
- *642. *L. Madraspatanum Vitis Idaea foliis acutis.* *Ex Ind. Orient.*
- *643. *L. Madraspatanum Indici Alpino putati aemulum foliis minoribus bijugis, et grandioribus aculeis horridum*, Pluk. Tab. 97, 2. *Ex Ind. Orient. Gmelina asiatica* L.
644. *L. Madraspatanum Indici Alpino putati aemulum, bijugis et gracilioribus aculeis horridum*, Pluk. Tab. 202, 2.
645. *L. Bisnagaricum acuminatis minus durioribus foliis, et aculeis ex opposito binis*, Pluk. Tab. 97, 3.

- *646. *L. majus Americanum Jasmini* flore, foliis subrotundis lucidis, Pluk. Tab. 97, 6. Cit. *Randia mitis* L., 1192.
647. *L. Madraspatanum Pyri* foliis non serratis alternis.
- *648. *L. Portoricense Buxi* foliis angustioribus, Pluk. Tab. 202, 3. Berberidis facie arbuscula Americana spinosa foliis Lycii non-nihil similibus, P. B. P.
649. *L. Curassavicum folio subrotundo*, Cabba de Caballo vulgo, P. B. P. Hort. Reg. Hampt. 120.
650. *L. putatum Indiae Orientalis Capparis rotundioribus foliis et aculeis ex adverso gemellis*, Pluk. Tab. 97, 4.
651. *L. Africanum Betulae* foliis.
652. *Paliurus Jujubinis foliis fructu petasoide*, Pluk. Alm. p. 275. *Rhamnus sive Paliurus folio Jujubino*, J. B. 1, 35. *Rhamnus folio subrotundo fructu compresso*, C. B. P. 479. *Paliurus*, Dod. Pempt. 756. Cit. *Rhamnus Paliurus* L., 194.
- *653. *Jangomas sive Paliurus Aegyptiaca*, P. Alp. v. Bont. p. 111. Pro aliis hujus generis v. inter lignos. innominat. Three sheets; two are *Zizyphus* sp., the third is *Paliurus* sp.
654. *Arbuscula trifolia spinosa fructu miniato tricocco sapore Piperis, Hermanni. Kudhumeris.*

FRUTICES BACCIFERI TETRAPYRENI.

655. *Euonymus vulgaris*, Park., Dod. Pempt. 783. *Euonymus vulgaris granis rubentibus*, C. B. P. 428. *Euonymus Theophrasti*, Ger. *Euonymus multis, aliis tetragonia*, J. B. 1, 201. Cit. *Euonymus europaeus var. tenuifolius* L., 197.
- *656. *E. latifolius*, C. B. P. 428. *Euonymus latifolia*, J. B. 1, 202. Clus., Ger., Park. *E. latifolius* Miller.
- *657. *E. Virginiana Pyracanthae foliis, semper virens, capsula verrucarum instar asperata rubente*, Pluk. Tab. 115, 5. *E. americanus* L.
- *658. *E. Virginiana rotundifolia capitulis coccineis eleganter bullatis*, D. Banist., Pluk. Tab. 28, 5. *Grewia* sp.
- *659. *E. Africana folio lucido, laurino, serrato, Hermanni. Celastrus* sp.
- *660. *E. Canellae albae foliis è Madraspatan*, Pluk. Tab. 88, 5. *Celastrus* sp.
- *661. *Euonymo adfinis Aethiopica semper virens fructu globoso scabro, foliis Salicis rigidis serratis*, H. Leyd. *Lauro serratae odoratae Stapelianae similis inodora*, Cap. Bon. Spei, Breyn. Prod. 1. *Kiggelaria africana* L.
662. *Arbor Americana quinque-nervia, comantibus flosculis foliis amplissimis glabris prona parte albicantibus*, Pluk. Alm. p. 40, Tab. 264, 4. *Christophoriana Americana Malabathri foliis acuminatis, nervosis, dentata*, Ejusd. Tab. 159, 1. *Nettle-tree*, Barbadiens. An *Euonymus Novae Belgiae Corni*

foeminae foliis, H. Amst. p. 167? Cit. Hort. Cliff. 162; Melastoma Acinodendron L., 389 = *Miconia Acinodendron* Sweet.

663. Ulmi facie Arbuscula Aethiopica ramulis alatis floribus purpurascens, H. Amst. p. 165. Ulmi folio arbor Africana baccifera flore purpureo, Pluk. Tab. 237. 1.

FRUTICES BACCIFERI POLYPYRENI, SEMPER VIRENTES.

664. *Myrtus communis* Italica, C. B. P. 468. *Myrtus vulgaris sylvestris*, J. B. 1, 510. Cit. *Myrtus communis* L., 471.
665. *M. latifolia* Boetica 1^a, vel foliis Laurinis, C. B. P. 469. *Myrtus Boetica latifolia domestica*, J. B. 1, 511. Clus. Hist. 65. Cit. *M. communis* var. β *baetica* L., 471.
- *666. *M. foliis odore Nucis moscatae*, cauliculis rubentibus, vulgò odore Citri, Hermannii, H. Leyd. 434. *M. communis* L.
- *667. *M. Balsamica folio Mali Granatae*, H. Leyd. *M. communis* L.
- *668. *M. flore pleno*, Cornuti. *M. communis* L., *flore pleno*.
- *669. *M. Aurantiae foliis dense stipatis*, Pluk. Alm. p. 249. *Myrtus Boetica latifolia exotica*, Clus. Hist. 69. *Myrtus latifolia Boetica* 2^a, vel foliis latis confertim nascentibus, C. B. P. 469. *Myrti Boeticae latifoliae secundum genus*, J. B. Tom. 1. *Eugenia* sp.
670. *M. latifolia Belgica*, C. B. P. 469. *Myrtus latifolia Belgica forte Romana*, J. B. 1, 512. *Myrtus latifolia vulgaris*, Park. 1452. *Myrtus communis* var. η *belgioa* L.
- *671. *M. Tarentina*, Matthioli. ? *M. tarentina* Mill. (see No. 676).
- *672. *M. Curassavica foliis Laurinis lucidis flore pleno*, Par. Bat. Prod.
673. *M. latifolia acuminata*, apicibus foliorum contortis.
- *674. *M. minor rotundiore folio*, Park. 1454. *Myrtus foliis Buxi*, Schuyl. 49, H. Leyd.
- *675. *M. platycaulos foliis confertis multiscissis*, s. in plurimos ramulos divaricatis, Pluk. Alm. 259. *The Birds Nest Myrtle*.
- *676. *M. minor vulgaris*, C. B. P. 469. Lob. Icon. 127. *Myrtus Tarentina*, Clus. Hist., J. B. 1, 512. *Myrtus minor acuto folio*, Park. Cit. *M. communis* var. γ *tarentina* L., 471 = *M. tarentina* Mill.
- *677. *M. Lusitana erecta minor acuto folio cortice albicante*. *M. communis* L.
- *678. *M. foliis minimis et mucronatis*, C. B. P. *Myrtus Rorismarini foliis*, Florent. Schuyl., H. Leyd. 49. *Myrtus angustifolia minor* J. B. *M. communis* var. δ *mucronata* L., 471.
- *679. *M. Americana graveolens*, Hort. Reg. Hampt.
- *680. *M. latifolia obtusa*, è Vera Cruce, Hort. Reg. Hampt. 87.

681. *Phyllanthos Americana angustiore et longiori folio, ramosa caulescens*, Pluk. Tab. 247. ? *Phyllanthus Epiphyllanthus* L.
682. *Pyracantha quibusdam*, J. B. 1, 51. *Oxyacantha Dioscoridis sive Spina acuta Pyri folio*, C. B. P. 454. *Rhamnus 3 Dioscoridis*, Lob. Icon. 182. *Mespilus aculeata Amygdali folio*, Tourn. Cit. *Mespilus Pyracantha* L., 478 = *Crataegus Pyracantha* Medic.
683. *Vaccinia nigra vulgaris*, Park. *Vitis Idaea foliis oblongis crenatis*, C. B. P. fructu nigricante, p. 470. *Vitis Idaea folio anguloso*, J. B. Cit. *Vaccinium Myrtillus* L., 349.
- *684. *Vitis Idaea foliis subrotundis exalbidis*, C. B. P. 470. *Vitis Idaea magna quibusdam, sive Myrtillus grandis*, J. B. 1. 518 *V. uliginosum* L.
- *685. *V. Idaea foliis carnosis et veluti punctatis, sive Idaea radix Diosc.*, C. B. P. *Radix Idaea putata, et Uva ursi*, J. B. *Uva ursi Galeni Clusio*, Park. Cit. *Arbutus Uva ursi* L., 325 = *Arctostaphylos Uva Ursi* Spreng.; but the specimen is *V. Vitis idaea* L.
- *686. *V. Idaea semper virens fructu rubro*, J. B. *Vitis Idaea foliis subrotundis non crenatis, baccis rubris*, C. B. P. *Vaccinia rubra Buxeis foliis*, Park. *V. Vitis idaea* L.
- *687. *V. Idaea foliis et facie Unedonis flore Americana*, Pluk. T. 236, 3. *Spanish Goosberries. Andromeda Mariana* L. = *Pieris Mariana* (L.) B. & H.
- *688. *V. Idaea palustris*, C. B. P. *Vaccinium palustre*, Park. *Oxycoccus sive Vaccinia palustris*, J. B. 1, 227. *Vaccinium Oxycoccus* L. = *Oxycoccus quadripetala* Gilib.
- *689. *V. Turcica Buxeis foliis oblongis, fructu ex albo rubescente*. A drawing.
- *690. *V. Africana foliis decussatis cordiformibus*, Mus. Pet. 692. Petiver's specimen.
- *691. *Vitis Idaea sive Myrtillus Indiae Orientalis subrotundo folio, non crenato*, Pluck. Alm. p. 391, Tab. 321.
- *692. *V. Idaea Aethiopica, Buxi minoris folio, floribus albis*, Hort. Amst. Part 1, p. 125. *Royena glabra* L.
693. *V. Idaea Aethiopica Myrti Tarentinae folio, flore atropurpureo*, H. Amst. Part 2, p. 123.
694. *Polygala arhorea Myrti folio* Cap. Bon. Spei, floribus albis, intus purpureis, H. Amst. Part 1, p. 87.

FRUTICES BACCIFERI POLYPYRENI, FOLIIS DECIDUIS.

695. *Rhamnus catharticus*, C. B. P. 478, J. B. 1, 55. *Rhamnus solutivus*, Dod. Pempt. 7, 56. Cit. *Rhamnus catharticus* L., 193.

- *696. *R. catharticus minor*, C. B. P. 478. *Lycium Gallicum*, ejusd. J. B. 1, 58. *Spina infectoria pumila*, 1. Clus. Hist. 111.
- *697. *Rosa Damascena simplex*. ***Rosa damascena* Mill.**
- *698. *R. versicolor*. C. B. P. 481. *Rosa Praenestina alba et versicolor*, J. B. 2, 37. *Rosa versicolor*, Clus. Hist. 114. York and Lancaster Rose. Cit. *R. gallica* var. β *versicolor* L., ed. ii, 704. ? *R. damascena* Mill. ?
- *699. *R. Damascena variegata*. *J. Rea Flor. Mrs. Hart's Rose. Double*. ***R. damascena* Mill.**
- *700. *R. cristallina*. ? ***R. damascena* Mill.**
- *701. *R. maxima multiplex*, C. B. P. 481. *Rosa Provincialis sive Hollandica Damascena*, Park. *Rosa Hollandica rubella*, plena, quibusdam Centifolia spinoso frutice, J. B. 2, 37. *Rosa centifolia Batavica*, Clus. Hist. 113. ***R. gallica* L.**
- *702. *R. Provincialis rubra*, Park. *Rosa purpurea*, C. B. P. 481. *Rosa Provincialis major*, Tab. icon. 1084. *Rosa rubello flore majore, multiplicato, sive pleno, incarnata vulgo*, J. B. 2, 36. ? ***R. damascena* Mill.**
703. *R. rubra Anglica*.
- *704. *R. rubro et albo variegata*, *Rosa Mundi vulgo dicta*, Raii H. *Rosa Anglica versicolor, Passaei*. ***R. gallica* L.**
- *705. *R. holoserica simplex*, Lob., Park. *Rosa saturatius rubens*, C. B. P. 481. *Rosa purpurea sive in rubro nigricans*, Cam. Hort. *Rubra pallidior C. B. ?*, et *multiplex ejusdem*. *R. holoserica multiplex, Park.*, Raii Hist. p. 1469. ***R. gallica* L.**
706. *R. holoserica multiplex* (see No. 705).
- *707. *R. centifolia alba, sive Provincialis alba*. ***R. alba* L.**
- *708. *R. marmorea*. ***R. gallica* L.**
709. *R. Francofurtensis*, Park. Par. *Rosa inapertis floribus alabastro crassiore*, H. Reg. Par.
710. *R. flore albo pleno*, Eyst. Cit. ***R. alba* var. β L.**, 492.
711. *R. alba vulgaris major*, C. B. P. 482. *Rosa candida plena et semiplena*, J. B. 2, 44. *Rosa alba*, Tab. icon. 1086. Cit. ***R. alba* L.**, 492.
- *712. *R. alba minor*, C. B. P. 482. *Rosa lacteola*, J. B. 2, 45. *Rosa lacteola quae centifolia Plinii videtur*, Eyst. ***R. damascena* Mill.**
713. *R. odore Cinnamonomi simplex*, C. B. P. 483. *Rosa cinnamomaea floribus subrubentibus, spinosa*, J. B. 2, 39. Cit. ***R. cinnamomea* L.**, ed. ii, 703.
714. *R. odore Cinnamonomi flore pleno*, C. B. P. 483. *Rosa minor rubello multiplicato flore, asperis spinis armata*, J. B. 2, 38. *Rosa cinnamomaea pleno flore*, Clus. Hist. 115.
715. *R. moschata alba multiplex*.

- *716. *R. sylvestris Pomifera major*, C. B. P. 484. *Rosa pomo spinoso, folio hirsuto*, J. B. 2, 38. Cit. *R. villosa* L., 491, but the specimen is *R. pomifera* Herrm.
- *717. *R. sylvestris maxima, foliis infra glaucis, superne viridibus laevibus*, D. Sher. *Rosa floribus umbellatim congestis amplioribus, ex Agro Huntington., D. Crisp.* *Rosa* sp.? 'C'est une Rose cultivée', Crépin.
718. *R. sylvestris Virginensis*, Park. *Rosa parvo rubello flore foliis lucentibus*, Hort. Edinb.
719. *R. sylvestris inodora sive Canina*, Park. *Rosa sylvestris vulgaris, flore odorato incarnato*, C. B. P. 483. *Rosa sylvestris alba cum rubore, folio glabro*, J. B. 2, 43. Cit. *R. canina* L., 491.
- *720. *R. canina humilior flore albo fructu rotundiore*, D. Plot. H. Ox. *Rosa sylvestris altera flore albo nostras*, Raii. *Rosa sylvest. folio glabro, flore plane albo*, J. B. *R. arvensis* Huds.
- *721. *R. sylvestris foliis odoratis*, C. B. P. 483. *Rosa foliis odoratis eglantina dicta*, J. B. 2, 41. *R. eglanteria* L., 491.
722. *Rosa lutea multiplex*, C. B. P. 483. *Rosa lutea flore pleno*, J. B. 2, 48. *Rosa flava plena*, Clus. Hist. 114. Cit. *R. sulphurea* Ait., Hort. Kew. ed. i, II, 201 (= *R. hemisphaerica* Herrm., I. K.).
723. *R. pumila spinosissima, foliis Pimpinellae glabris, flore albo*, J. B. 2, 40. *Rosa campestris spinosissima flore albo odoro*, C. B. P. 483.
- *724. *R. Ciphiana*, Sibaldi. *Rosa Pimpinella minor Scotica, floribus ex albo et carneo eleganter variegatis*, Pluk. Alm. *R. pimpinellifolia* L., var. *ciphiana* (Sibb.).
725. *R. forte Chusan Trichomanis folio*, Mus. Pet. 969.
726. *Grossularia spinosa sativa*, C. B. P. 445. *Grossularia majore fructu*, Clus. Hist. 120. Cit. Hort. Cliff., *Ribes Grossularia* L.
- *727. *G. Zeylanica fructu albo non spinosa*, Hermann. Hankirilla. *Antidesma Ghesaembilla* Gaertn.
728. *Ribes vulgaris fructu rubro*, Ger. *Grossularia vulgaris acidus ruber*, J. B. 2, 97. *Ribes fructu rubro*, Park. *Grossularia multiplici acino, sive non spinosa hortensis rubra, sive Ribes officinarum*, C. B. P. 5, 455. *Ribesium fructu rubro*, Dod. Pempt. 749. Cit. *Ribes rubrum* L., 200.
729. *R. fructu rubro majore*, Park. *Grossularia hortensis majore fructu rubro*, 6. C. B. P. 455. *Ribes major fructu rubro*, Eyst.
730. *R. fructu albo*, Park., Eyst. *Ribes vulgaris fructu albo*, Ger., Clus. Hist. *Grossularia hortensis fructu margaritae similis*, 12, C. B. P. 455. Cit. *R. rubrum* L., var. β . 200.
731. *R. fructu nigro*, Dod. *Ribes vulgaris nigro fructu*, Clus. Hist. *Ribes nigrum vulgò dictum, folio olente*, J. B. 2, 48. *Grossu-*

- laria non spinosa fructu nigro, C. B. P. 11, 455. Cit. *R. nigrum* L., 201.
732. *R. Alpinus dulcis*, J. B. 2, 98. *Ribes vulgare* fructu dulci, Clus. Hist. 120, C. B. P. 9, 455. Cit. *R. alpinum* L., 200.
- *733. *Mespilus humilis* subrotundis serratis foliis superne glabris et nervosis, subtus lanugine tectis, Pluk. Alm. *Cotonaster folio oblongo serrato*, C. B. P. 472. *Cotonaster forte Gesneri*, Clus. Hist. 63. *Chamaemespilus*, J. B. 1, 72. Two sheets. *Mespilus Chamae Mespilus* L. = *Pyrus Chamaemespilus* Ehrh.
734. *M. folio rotundiore fructu nigro subdulci*, Tourn. 642. *Alni effigie lanato folio minor*, C. B. P. 452. *Vitis Idaea* 3^a, Clus. Hist. The latter name is cited *Mespilus Amelanchier* L. 478 = *Amelanchier vulgare* Moench.
735. *M. folio subrotundo fructu rubro*, Tourn. 642. *Cotonaster folio rotundo non serrato*, C. B. P. 452. *Cotonaster*, J. B. 1, 73. Cit. *Mespilus Cotoneaster* L. 479 = *Cotoneaster integerrima* Med.
- *736. *Amelanchier Chusanensis folio parvo subrotundo rigido*, Mus. Pet. 85, 7. *This with many other very rare plants Mr. James Cuninghame sent me lately from Chusan, an Island near China.* Petiver. ? *Loropetalum chinense* Oliv.

FRUTICES BACCIFERI INCERTAE SEDIS.

- *737. *Baccifera Chusan: racemosa Arbuti folio*. *Petiver, Mus. nost. 877.*
- *738. *B. Madraspatana Myrti Laureae foliis perforatis, sed vix conspicuis*, Mus. Pet. 361. *Velle Congee. Coddell Coongy. Mus. Pet. n. 361.*
- *739. *Coccifera Emuyaca Chamaenerii folio marginibus crispis*, Act. Philos. 286, p. 1423. Pet. 68. From Petiver. *Ardisia crenata* Roxb.
- *740. *C. Madraspatana calyce magno staphylodendri Africani folio*, Mus. Pet. 376. *Sent from Fort St. George by Dr. Edw. Bulkley 1702. Vacunny. Diospyros chloroxylon* Roxb.
741. *Arbor Americana baccifera Myrtifolia viminalibus virgis, sive Flagellifera major*, Pluk. Tab. 139, 6, Alm. p. 46.

Frutices Leguminosi, Floribus Papilionaceis, sunt vel
Trifoliati, vel Foliis Alatis.

FRUTICES LEGUMINOSI TRIFOLIATI.

742. *Genista vulgare et scoparia*, Park. *Genista angulosa et scoparia*, C. B. P. 395. *Genista angulosa trifolia*, J. B. 1, 388. *Genista*, Dod. Pempt. 761. *Cytiso-genista scoparia vulgare flore luteo*, Tourn. El. Bot., I. R. H. 649. Cit. *Spartium scoparium* L., 709 = *Cytisus scoparius* Link.

743. *Cytiso-genista scoparia vulgaris* flore albo, Tourn. El. Bot., I. R. H. 16.
- *744. *Genista Canarica trifolia hirsutior et elatior, floribus minoribus, odoratis. Cytisus Canariensis microphyllus, cauliculis villosis, angustis viridibus foliis*, Pluk. Alm. Tab. 277, 5. Cit. *Genista canariensis* var. β L., 709. Probably *C. canariensis* Steud.
- *745. *G. scoparia* flore amplo, siliqua tomentosa, D. Tournefort à Lusitania. Siliqua lata est et valde pilosa. No flowers or fruits, but the specimen and the description suggest *Sarothamnus Welwitschii* B. & R. = *C. Welwitschii* (B. & R.).
- *746. *G. alba*, Tab. *Spartium Hispanicum* flore candido, J. B. 1, 398. *Spartium* 3 flore albo, C. B. P. 396. *Spartium* 3 *Hispanicum*, Clus. Hist. 103. D. Tourn. *C. albus* Link.
747. *G. Hispanica*, Ger. *Genista juncea*, J. B. 1, 395. *Spartium Hispanicum frutex vulgare*, Park. *Spartium arborescens seminibus Lenti similibus*, C. B. P. 396. *Spartium Dioscorodaeum Narbonense et Hispanicum*, Lob. Icon. 91. Cit. *Spartium junceum* L. 708.
- *748. *G. Hispanica minor* flore luteo, Park.
749. *G. viticulis tenuibus* flore luteo minore, ex Smyrna, D. Sher.
750. *G. sive Spartium Hispanicum lobis rotundiusculis* flore luteo, J. B. 1, 397. *Spartium alterum monospermum, semine reni simile*, C. B. P. 396. *Hispanicum minus monospermum, flore luteo*, Park. Cit. *Spartium monospermum* L., 708.
751. *G. sive Spartium purgans*, J. B. 1, 404. *S. purgans* L.
- *752. *G. argentea Cretica*, Zanon. *Genista tinctoria* Clus. Lugd. Two sheets. *Anthyllis Hermaniae* L.
- *753. *G. humilis argentea* flore albo, ex Smyrna, D. Sher. *Genista* sp. Near *G. Millii* Heldr. teste N. E. Brown.
- *754. *G. sericea* Petiveri, a D. Du Bois.
- *755. *G. radiata sive stellaris*, J. B. 1, 399. *Genista Spartium triphyllum*, C. B. P. *Chamaespartium montanum triphyllum*, Park. *Spartium radiatum* L. = *G. radiata* Scop.
- *756. *G. tinctoria*, Clus. Lugd. *Pseudo spartium Hispan. P. 231. G. germanica* L.
757. *G. similis frutex foliis caesiis triphyllis*, P. B. P., Pluk. Tab. 185, 3.
- *758. *G. folio Mali Cotoneae minor*. A carbon impression.
- *759. *G. Africana foliis Abrotoni incanis floribus caeruleis*, Pluk. Tab. 297, 5. *Psoralea pinnata* L.
- *760. *G. Africana arborescens folio Plantaginis*, Oldenl.
- *761. *Genistella tinctoria*, Ger. *Genista tinctoria vulgaris*, Park. *Genista tinctoria Germanica*, C. B. P. 395. *Tinctorius flos*, J. B. 1, 391. *Genista tinctoria*, Dod. Pempt. 763. *Genista tinctoria* L.

- *762. *G. tinctoria latifolia* Lucensis, J. B. ? A form of *Genista tinctoria* L.
- *763. *G. tinctoria Lusitanica maxima*, Tourn. Inst. Rei Herb. 643. *Piurna Lusitanorum*. A type specimen from Tournefort. *G. polygalaefolia* DC.
764. *G. Capensis angustiore folio*, D. Du Bois.
- *765. *G. Aethiopica Pinastris folio triphylla*, Pluk. Alm. 165, Tab. 298, 1? Two sheets. One, *From ye Cape of Good hope*, is *Aspalathus pinea* Thunb.; the second sheet is *Psoralea pinnata* L.
- *766. *G. Laricis folio*, Breyn. *Capensis* D. Du Bois. *Brought from ye Cape of Good hope, anno 1697, by Mr. Alexander Brown.* *Aspalathus arida* E. Mey, teste N. E. Brown.
- *767. *Genistella altera Capensis tenuissimis foliis.* *From ye Cape of Good hope.* *A. abietina* Thunb., teste N. E. Brown.
- *768. *Genista Capensis foliosa Linariae folio*, D. Du Bois. *From ye Cape of Good hope.* *Rafnia angulata* Thunb., teste N. E. Brown.
- *769. *Chamaegenista sagittalis*, C. B. P. 395. *Genistella herbacea sive Chamaespartium*, J. B. *Genistella montana Germanica*, Park. *Chamaegenista* 2, Clus. Hist. 104. *Genista sagittalis* L.
- *770. *C. peregrina Clusii.* Tourn. è Lusitania. Tournefort's specimen. *G. tridentata* L.
771. *Spartium Balearicum luteum, equiseti facie*, D. Pet.
772. *Genista Spartium spinosum majus, primum flore luteo*, C. B. P. 394. *Aspalathus* 2^{da} *Monspeliensis*, J. B. 1, 402. *Genista spartium spinosum majus*, Lob. icon. 82. Cit. *Spartium Scorpius* L., 708 = *G. Scorpius* DC.
773. *G. Spartium majus brevioribus et longioribus aculeis*, Tourn. I. R. H. 645. *Genista spinosa major brevibus aculeis*, C. B. P. 394. *Genistellae spinosae affinis, Nepa quibusdam*, J. B. 1, 400. *Scorpius* 1, Clus. Hist. 106. *Genista spinosa minor*, Park. *G. Nepa Theophrast, Ger. Caspar Bauhin's name* is cited for *Ulex europaeus* L. var. β , 741.
774. *G. Spartium spinosum, majus, tenuius et glabrum.* H. R. P., I. R. H.
775. *G. Spartium Lusitanicum majus et spinosius spicato flore*, Tourn. I. R. H. 646.
- *776. *G. spinosa minor, Hispanica, villosissima*, C. B. P. 395. *Genistella Montis Ventosi spinosa*, J. B. 1, 400. *Genista Spartium montis ventosi*, Tourn. 645. Mounted on the same sheet as No. 756. *Genista hispanica* L.
- *777. *G. aculeata foliosa*, J. B. 1, 399. *Genista spinosa minor Germanica*, C. B. P. 395. *Genista Spartium minus Germanicum*, Tourn. I. R. H. 645. *G. germanica* L.

778. *G. Spartium minus saxatile aculeis horridum*, Tourn. I. R. H. 645. *Spartium aphyllum fruticosum, junceis aculeis, lanatis capitulis*, Adv. Lob. 409.
- *779. *G. Spartium Lusitanicum argenteum, validissimis aculeis munitum, copioso flore*, Tourn. I. R. H. 646. *Erinacea altera Lusitanica*, Vir. Lusit. *G. Barnadesii* Graells, teste N. E. Brown.
- *780. *G. erinacea*, J. B. I, 403. *Erinacea*, Clus. Hist. 107. *Genista-Spartium spinosum, foliis Lenticulae, floribus ex caeruleo purpurascens*, C. B. P. 394. *Erinacea Hispanica*, Tourn. I. R. H. 646. *Erinacea pungens* Boiss.
- *781. *G. Spartium spinosum aphyllum alternum tribus aculeis semper junctis, floribus luteis*, C. B. P. *Echinopoda Cretica* Belli. ? *Genista acanthoclada* DC.
- *782. *G. Spartium Lusitanicum siliqua falcata*, Tourn. I. R. H. 646. *Tournefort è Lusit.* ? *G. falcata* Brot.
- *783. *Chamae-genista Lusitanica angustissimo folio et rigidissimo*, Tourn. Scorpio-genista I, Viridar. Lusit. *D. Tournefort è Lusit.* *G. tridentata* L., teste N. E. Brown.
- *784. *G. Gadensis lutea spinis spinulis armata*, Mus. Pet. 225. ? *Ulex Willkommii* Webb.
- *785. *Genistella aculeata Lusitanica frutescens*. Pet. ? *Genista tricanthos* Brot.
786. *G. aculeata*, Park. 1004. *Genista aculeata*, Ger. *Genistella minor Aspalathoides*, J. B. I, 401. *Genistella minor Aspalathoides, sive Genista spinosa Anglica*, C. B. P. 395. Cit. *G. anglica* L., 710.
- *788. *G. arborescens Africana Styracis folio flore caeruleo*, Hort. Lugd. Bat. *Crotalaria Africana styracis folio flore caeruleo*, Tourn. I. R. H. 644. ? *Crotalaria* sp.
- *789. *G. Laurinis foliis splendentibus semper virens*. The specimen is a single leaf not identified. Attached to the same sheet is *Crotalaria flore coeruleo. Cola tillypa*.
- *790. *Crotalaria Benghalensis foliis Genistae subhirsutis*, Par. Bat. Prod. *Crotalaria juncea* L.
- *791. *Frutex Aethiopicus foliis Rusci floribus papilionaceis, sericea lanugine fusca villosis*, Pluk. Tab. 297, 3. *Fortè de Genistarum genere. Borbonia lanceolata* L.
- *792. *Aspalathus secunda trifolia, quae Acacia 2^{da} Matthiolo, trifolia*, J. B. I, 375. *Acacia trifolia*, C. B. P. *Cytisus spinosus*, H. Leyd. *Cytisus-spartium aculeatum, Acacia trifolia dictum*, Pluk. Alm. *Spartium spinosum* L. = *Calycotome spinosa* Link.
- *793. *Cytisus glabris foliis subrotundis pediculis brevissimis*, C. B. P. 390. *Cytisus glaber siliqua lata*, J. B. I, 373. *Cytisus* 5

- rotundifolius, Tab. Pseudo-Cytisus foliis subrotundis, Park.
Cytisus sessilifolius L.
- *794. *C. glaber nigricans*, C. B. P. 390. *Cytisus Gesneri*, cui flores fere spicati, J. B. 1, 370. *Cytisus* 4^{us}, Clus. Hist. 95. Pseudo-Cytisus niger, Park. Two sheets. **C. nigricans L.**
- *795. *C. Insularum Stoechadum foliis longis angustis, subtus argenteis*, Schol. Bot. An *Cytisus foliis acuminatis Italicus*, C. B. P. ? *Cytisus argenteus Linifolius Insularum Stoechadum*, Tourn. I. R. H. 648. **C. linifolius Lam.**
796. *C. incanus siliqua falcata*, C. B. P. *Cytisus siliqua incurva foliis candicantibus*, J. B. *Cytisus Galeni creditus, Maranthae cornutus*, Park. *Medica arborea siliqua falcata plana folio candicante*, Pluk. Alm.
- *797. *C. glaber viridis*, C. B. P., 390. *Cytisus* 2, Tab. icon. 1094. **Desmodium sp.**
- *798. *C. incanus folio oblongo Austriacus*, C. B. P. 390. *Cytisus Clusii Pannonicus alter foliis omnino incanis*, J. B. ? **Cytisus austriacus L.**
- *799. *C. foliis subruta lanugine hirsutis*, C. B. P. 390. *Cytisus hirsutus*, J. B. 1, 372. *Cytisus* 3, Clus. Hist. 94. *Hispanicus arboreus*, Park. **C. hirsutus L.**
- *800. *C. supinus foliis inferne et siliquis molli hirsutiae pubescentibus*, C. B. P. 390. *Cytisus* 3ⁱ Pannonici 2^{da} species *Clusio supinis ramis*, J. B. **C. supinus L.**
801. *C. Hispanicus* 1, Park. ?
- *802. *C. hirsutus flore flavo*, ex Hort. Pat. ? **C. hirsutus L.**
803. *C. foliis incanis angustis quasi complicatis, ex Hispania*, C. B. P. 390. *Cytisus montis calcaris*, J. B. 1, 370, et *Cytisus Hispanicus* 2 Clusii, ejusdem. *Cytisus* 2, Clus. Hist. 94.
- *804. *C. glaber flore purpureo*, ex Hort. Pat. **C. purpureus Scop.**
- *805. *C. supinus foliis incana lanugine inferne pubescentibus*, C. B. P. 390. *Cytisus* 3, Clus. Pan. septimus, sparsis ramis, J. B. **C. supinus L.**
806. *C. humilis flore purpureo spicato*. *Onobrychis* Breyn.
- *807. *C. Zeylanicus Anagrydis folio*.
- *808. *C. trifolius Juniperinis foliis, floribus luteis in spicam densiorem adactis*. Promont. B. Spei, Pluk. Mantiss. 63, Tab. 345. *From ye Cape of Good hope*. **Aspalathus callosa L.**
- *809. *C. incanus folio medio longiore*, C. B. D. Pet.
- *810. *C. erectior Barbadosensis glaber*. *Cytisus procumbens Americanus flore luteo ramosissimus, qui Anil suppeditat*, Pluk. Tab. 86, 2. Cit. *Sophora tinctoria L.*, 373 = *Baptisia tinctoria R. Br.* The specimen is probably *Galactia* sp.
- *811. *C. humilior Virginensis glaber*. è *Virginia*. **Lespedeza repens (L.) Barton.**

- *812. *C. bumilimus Madraspatensis Thymi foliis exiguis*. Nil sive Anil Cynanchicæ foliis Bisnagaricum, Pluk. Tab. 101, 6. Chevanar Wemboe Malab. & *Madraspat.* **Indigofera aspathoides** Vahl.

FRUTICES LEGUMINOSI, FOLIIS ALATIS.

813. *Colutea vesicaria*, C. B. P. 396, J. B. 1, 308. *Colutea*, Dod. Pempt. 784. Cit. *Colutea arborescens* L., 723.
814. *C. Aethiopica flore phaeniceo*, Barbae Jovis folio, Breyn. Cent. 1. Cit. Hort. Cliff. 366; *Colutea frutescens* L., 723 = **Sutherlandia frutescens** R. Br.
815. *C. scorpioides humilis*, J. B. 1, 382. *Colutea siliquosa minor*, C. B. P. 397. *Colutea scorpioides* 1, humilior, Clus. Hist. 97. *Emerus minor*, Tourn. I. R. H. 650. Cit. *Coronilla Emerus* L., 742.
816. *C. maritima glauco folio*, C. B. P. 397, Prod. 157. *Colutea fruticosa coronata*, glauco folio Cretica, flore odorato, Breyn. Pr. 2. Cit. *C. glauca* L., ed. ii, 1047.
817. *C. scorpioides sive siliquosa major*, C. B. P. 397. *Colutea scorpioides*, J. B. *Colutea scorpioides* 1, elatior, Clus. Hist. 97. *Emerus*, Caesalp. 117, Tourn. I. R. H. 650. Cit. *C. Emerus* L., 742.
818. *C. sive Polygala Valentina* 1, Clus. Hist. *Colutea parva species*, *Polygala Valentina* Clusio, J. B. *Coronilla sive Colutea minima*, Lob. Icon. Cit. *C. valentina* L., 742.
819. *C. siliquosa minor coronata*, C. B. P. *Colutea scorpioides quaedam sive Polygalo Cortusi similis planta*, sed major, J. B. Cit. *C. coronata* L., ed. ii, 1047.
820. *C. sive Coronilla repens*.
821. *C. caule Genistæ fungosa*, J. B. *Polygala major Massiliotica*, C. B. Cit. *C. juncea* L., 742.
822. *C. enneaphyllos Lotoides Indiae Orientalis siliculis conglomeratis*, Pluk. Tab. 166, 2. & *Madrasp.* Cit. *Psoralea enneaphylla* L., ed. ii, 1076 = **Dalea enneaphylla** Willd.
823. *C. enneaphyllos Indiae Orientalis, siliquis et foliis aversa parte pubescentibus*, H. Reg. Hampt., Pluk. Tab. 166, 3.
824. *C. Zeylanica argentea latifolia*, P. B. P. *Colutea Zeylanica argentea tota*, H. Leyd. *Mundu Murungu Zeylanensibus*. Cit. *Sophora tomentosa* L., 373.
825. *C. Javanica foliis oblongis*, P. B. P., H. R. H. 20, Pluk. Tab. 165, 1.
826. *C. lanuginosa, floribus parvis, siliquis pilosis deorsum tendentibus*, Mus. Pet. 45. *Attrummaphoe Guinensibus*, Act. Philosph. p. 681.

827. *C. argentea* Virginiana flore ampliore purpurascens. Cicer Astragaloides (forte Virginianum) hirsutie pubescens floribus amplis subrubentibus, Pluk. Tab. 232.
828. *C. siliquosa enneaphyllos* Indiae Orientalis, siliquis et foliis aversa parte pubescentibus, Pluk. Tab. 166, 3.
829. *C. siliquosa* ad nodos caulium siliquis bigemellis, Pluk. Tab. 165, 5.
830. *C. affinis fruticosa* Pimpinellae folio, siliquis falcatis bovinorum cornuum in modum dispositis, Sloane Hist. Jam. Tab. 16.
831. Barba Jovis pulchre lucens, J. B. 1, 385. Barba Jovis, Lugd. 194. Cit. *Anthyllis Barba jovis* L., 720.
832. Barba Jovis lagopoides Cretica, frutescens, incana, flore spicato purpureo amplo, Breyn. Prod. 2., Tourn. I. R. H. 651. Ebenus Cretica, Prosp. Alp. Exot. 378. Cit. *Ebenus cretica* L., 764.
833. *Polygala Africana* glabra, floris galea binis cristis fimbriatis ornata ex involuero magno dipetalo erumpente, Pl. T. 53, 2. *Polygala major* frutescens myrtifolia flore purpurascens, Breyn. Prod.

FRUTICES FRUCTU BINIS LOCULAMENTIS DISTINCTO.

834. *Adhatoda Zeylonensium*, Hort. Lugd. Bat. Mus. Zeylan. Dictamno forte affinis Indica arborescens Lauri Americanae foliis, sive *Ecbolium Zeylanicum* foliis Laurinis, Breyn. Prod. 2, 41. Cit. *Justicia Adhatoda* L., 15 = *Adhatoda Vasica* Nees.
- *835. *A. Myrti latioris* folio, Addoocoomoolle Indorum, et Cooney Poo. D. Du Bois. Sent from India. *Ecbolium Linneanum* Kurz.
- *836. *A. Borneana* Parietariae folio, Hort. Sicc. Pet., Raii Vol. 3, p. 240.
- *837. *A. Campaccæ Pneumonanthæ* folio, Mus. Pet. 337. *Ecbolii Indici*, sive *Adhatodæ cucullatis* floribus aemula *Hyssopifolia*, ex Insulis Fortunatis, Pluk. Tab. 280. From Fort St. George Nellanaumbooe, Petiver. Cent. n. 337. A second sheet labelled *Snap tree* or *Snap grass*. Cit. *Justicia hyssopifolia* L., 15, but the plants are *Andrographis paniculata* Nees.
- *838. *A. minor* Indica *Buxeis* foliis flore albo, D. Du Bois. *Ruellia prostrata* Lam., teste N. E. Brown.
- *839. *Arbuscula Canariensis* *Salicis* aut potius *Oleæ sylvestris* *Barbadiensium* foliis et facie, seminibus ad tactum (quando maturis) è capsulis strepitu prosilientibus, *Snap Tree*, Pluk. Alm. 44, Tab. 313, 1. A leaf and a flower; the latter is *Justicia hyssopifolia* L.

840. *Syringa caerulea*, C. B. P. 398. *Syringa* flore caeruleo, sive Lilach, J. B. I, 204. Lilac Matth. 1237. Lilac Matth. sive *Syringa* flore caeruleo, Park. Cit. *Syringa vulgaris* L., 9.
841. *S.* sive Lilac flore saturate purpureo, Hort. Edinburgh. *S. vulgaris* L. *forma*.
842. *S.* sive Lilac flore purpureo minore.
843. *S.* sive Lilac flore lacteo sive argenteo, Park. *Syringa* flore quasi argenteo, C. B. P. 398. Lilac flore albo, Tourn. I. R. H.
844. *S. Persica* sive Lilac Persarum incisus foliis, Jasminum Persicum dictum, Park. Jasminum Persicum foliis laciniatis, H. Edinb. Ligustrum foliis laciniatis, C. B. P. Agemlilag Persarum, sive Lilac incisus foliis Cornuti. Lilac laciniato folio, Tourn. I. R. H. Cit. *S. persica* L., 9.
845. *S. Persica* foliis indivisis flore majore pallide caeruleo, Pluk. Alm. Jasminum Persicum foliis non laciniatis, H. Edinb. Lilac Ligustri folio, Tourn. I. R. H. 602.

FRUTEX CAPSULIS TETRAGONIS.

846. *S. alba* sive Philadelphus Athenaei, C. B. P. 398. *Syringa* flore albo, J. B. *Syringa* flore albo simplici, Park. Cit. *Philadelphus coronarius* L., 470.
847. *Tetragonocarpos Africana* fruticans, foliis longis et angustis, Hort. Amst. Part. 2, 205. ? *Tetragonia fruticosa* L.

FRUTICES CAPSULIS PENTAGONIS.

- *848. *Cistus mas vulgaris*, Park. *Cistus mas* folio oblongo incano, C. B. P. 464. *Cistus mas* 1, Clus. Hist. 68. *Cistus mas* quartus Monspelienensis folio oblongo, albido, J. B. 2, 3. *Cistus mas* cum Hypocistide, Ger. Cit. *Cistus albidus* L., 524, but the specimen probably belongs to *C. polymorphus* Willk.
849. *C. mas angustifolius*, C. B. P. 464. *Cistus mas* 2 folio longiore, J. B. 2, 2. *Cistus mas* 2, Clus. Hist. 69. Cit. *C. incanus* L., 524 = *C. polymorphus* Willk.
- *850. *C. mas* folio brevior, C. B. P. 464. *Cistus mas* 3^{us}, floribus dilute virentibus, J. B. 2, 3. *C. polymorphus* Willk.
- *851. *C. mas* major folio rotundior, J. B. 2, 2. *Cistus mas* folio rotundo hirsutissimo, C. B. P. 464. *Cistus mas* Matthioli, Lugd. Cit. *C. pilosus* L., ed. ii, 736. The specimen is probably *C. polymorphus* Willk.
- *852. *C. mas* folio Chamaedryos, C. B. P. 464. *Cistus mas* 5, foliis crispis et quodammodo sinuosis, J. B. 2, 3. *Cistus mas* 5^{us}, Clus. Hist. 69. *Cistus mas* foliis undulatis et crispis, Tourn. I. R. H. *C. crispa* L.

- *853. *C. foemina* foliis *Salviae*, C. B. P. *elatior et rectis virgis*, 464. *Cistus foemina* *Monspeliaca* flore albo, J. B. 2, 4. *Cistus foemina*, *Clus. Hist.* 70. *C. Salvifolia* L.
- *854. *C. Ladanifera* *Monspeliensium*, C. B. P. 467. *Cistus Ladanifera* sive *Ledon Monspeliensium angusto folio nigricans*, J. B. 2, 10. *C. monspeliensis* L.
- *855. *C. Ledon folio salicis angustifolia*, C. B. P. ex *Ins. Canar.* *Cit. C. salicifolius* L., 527.
- *856. *C. Ledon hirsutum*, C. B. P. 467. *Cistus Ledon* 4, *Clus.*, flore candido, J. B. 2, 10. *Ledon* 4, *Clus. Hist.* 78. *C. hirsutus* Lam.
- *857. *C. Ledon lato et hirsuto folio*, *Flor. Lugd. Bat. Flores.* *C. hirsutus* Lam.
- *858. *C. Ledon foliis Populi nigrae major*, C. B. P. 467. *Cistus Ledon Populi nigrae foliis Clusii major*, J. B. 2, 9. *Ledon latifolium* 2 majus, *Clusii Hist.* 78. *C. populifolia* L.
- *859. *C. Ledon foliis Laurinis*, C. B. P. 467. *Cistus Ledon latiore folio*, J. B. 2, 8, *Cistus* 1 *latifolius*, *Clus. Hist.* 77. *C. laurifolia* L.
- *860. *C. Ledon* 6, *minoribus angustioribusque foliis Clusii*, J. B. *Cistus Ledon angustis foliis*, C. B. P. *Ledon* 6, *Clus. Hist.* *Helianthemum umbellatum* Mill.
- *861. *C. Ledon foliis Rorismarini ferrugineis*, C. B. P. *Ledum palustre* L.
- *862. *C. Ledon foliis Rorismarini subtus incanis*, C. B. P. *Ledon* 4^{um}, *Clus. Hist.* e *Lusitania Ja: Petiver.* *Helianthemum lavandulaefolium* DC.
- *863. *C. Ledon foliis Rorismarini, sed non incanis*, C. B. P. 467. *Cistus Ledon* 9, *Clusio*, J. B. *Ledon* 9, *Clusii* 80. *H. Libanotis* Willd.
864. *C. Indicus Ledi Alpini foliis et floribus amplis*, *Hort. Lugd. Bat. Cit. Azalea indica* L., 150 = *Rhododendron indicum* Sweet.
865. *Ledum Alpinum foliis ferrea rubigine nigricantibus*, C. B. P. 468. *Nerium Alpinum* quibusdam, aliis *Ledum glabrum*, J. B. *Ledum Alpinum* sive *Rosa Alpina*. *Park. Chamaerhododendros Alpigena*, *Ger. Ledi Alpini* genus alterum, *Clus. Pan. et Hist. Cit. R. ferrugineum* L., 392.
866. *Cistus Ledon* flore macula nigricante notato, J. B. *Cistus Ledon* 1 *angust.* *Clus.* 77.
- *867. *C. folio Spicae, e Catalonia*, D. Pet. *Helianthemum lavandulaefolium* DC.
868. *C. Ledon foliis Rorismarini subtus incanis*, C. B. 467 (see No. 862).
- *869. *C. Ledon foliis Thymi*, C. B. ex *Hispania*, D. Pet. *Cistus umbellatus* L., 525 = *Helianthemum umbellatum* Mill.

870. *Myrto-Cistus Pennei*, Clus. Hist. 68, Fig. *Hyperici pulchra* species, D. Pet.
871. *Cistus foliis Sampsuchi incanis*, C. B. 465. e *Lusitan.* D. Petiver.
- *872. *Chamaerhododendros Alpinus hirsutus*. *Cistus Ledum Alpinum*, Ger. *Ledum Alpinum hirsutum*, C. B. P. *Chamaerhododendri* varietas, Lob. *Nerium Alpinum* quibusdam, aliis *Ledum hirsutum*, J. B. ***Rhododendron hirsutum* L.**
- *873. *C. Chusan flore albo*, *Myrti Romani folio*, Mus. Pet. 892. Petiver specimen.
874. *C. Marianus Ligustri foliis*, floribus minoribus. *Arbuscula Mariana Ligustri foliis ternis*.
875. *C. Virginianus Laurifolius*, floribus eleganter bullatis. *Cistus semper virens Laurifolius* floribus eleganter bullatis *Virginianus*, Pluk. Tab. 161.
- *876. *Cistus Chamaerhododendros sive Ledum Orientale pentaneuros* [*Heptaneuros*], foliis brevioribus ferruginea et molli lanugine villosis, Pluk. Tab. 161, 2. *Stramonia sive Datura Cistioides frutescens hirsuta major Indica*, Breyn. Prod. 2. ***Melastoma malabathricum* L.**
- *877. *C. Zeylanicus pulpifer*, quinquenervius, flore purpureo. *Arbor Americana quinquenervia*, comantibus flosculis, foliis amplissimis glabris, prona parte albicantibus, Pluk. Tab. 264, 4. ***Melastoma* sp.**
- *878. *C. Indicus quinquenervius folio hirsuto et scabro*, floribus roseis amplis capitulis sericeis villosis, pulpa nigra refertis, major, *Katou Kadali*, Hort. Mal. Part 4, p. 91. *Arbuscula Jamaicensis pentaneuros foliis crassis*, leviter dentatis, superna facie ferruginea, prona candicante et molli lanugine villosis, Pluk. T. 264. *D. Sher.* Cit. *M. aspera* L., 391 = ***Osbeckia aspera* Blume.**
879. *Ledum palustre nostras Arbuti flore*, Raii Syn. 142. *Rosmarinus sylvestris minor*, Park. *Erica humilis Rorismarini foliis Unedonis flore*, capsula cistoide, Pluk. Tab. 175, 1. Cit. ***Andromeda Polifolia* L., 393.**

FRUTICES MULTICAPSULARES.

- *880. *Cistus Ledon flore macula nigricante notato*, J. B. *Cistus Ledon l angustifolium*, Clus. Hist. 77. ***Cistus ladanifera* L.**
- *881. *C. Ladanifera Hispanica incana flore immaculati candoris*, Hort. Lugd. Bat. ***C. ladanifera* L.**
- *882. *Spiraea Theophrasti Clusio*, Ger. *Spiraea Theoph. forte Clusio*, J. B. 1, 559. *Spiraea Theophrasti forte*, Clus. Hist. 84. *Frutex spicatus, foliis saliginis serratis*, C. B. P. 475. *Spiraea salicis folio*, Tourn. I. R. H. 618. ***Spiraea salicifolia* L.**

883. *S. Pruni folio serrato* Virginiana flore spicato albo. Spiraeae Theophrast. similis frutex Indicus latiore folio, spicis florum è foliorum alis, Pluk. Alm. 356, Tab. 63, 2.
884. *S. Hyperici folio non crenato*, Tourn. I. R. H. Pruno sylvestri affinis Canadensis, C. B. P. App. 517. *Hypericum frutescens Americanum* flore albo, Park. Cit. *S. hypericifolia* L., 489.
885. *S. corymbifera* Virginiana Ribis folio. Spiraea Opuli folio, Tourn. I. R. H. 618. *Euonymus Virginianus* Ribis folio capsulis eleganter bullatis, H. Amst. p. 169. *Anonymos Americana* Ribesii foliis umbellata, *Melianthi capsula minore*, Pluk. Alm. 33. *Anonymos Ribesii foliis* Icon Roberti, Raii Hist. 1708. Cit. *S. opulifolia* L., 490 = *Neillia opulifolia* Benth. & Hook.
- *886. *Rhus Myrtifolia* Monspeliaca, C. B. P. *Plinii putata*, J. B. *Coriaria myrtifolia* L.
887. *Erica vulgaris glabra*, C. B. P. 485. *Erica vulgaris humilis semper virens flore purpureo*, J. B. 1, 354. Cit. *Erica vulgaris* L., 352 = *Calluna vulgaris* Hull.
- *888. *E. vulgaris glabra flore albo*, C. B. P. 485. *Erica vulgaris humilis semper virens, flore albo*, J. B. 1, 354. *Erica albo*, Tab. icon. 1111. *C. vulgaris* Hull, *flore albo*.
- *889. *E. vulgaris hirsuta*, Ger. *Vulgatis hirsutior*, Park. *Erica Myricae folio hirsuta*, C. B. P. 485. *Erica Myricae foliis tomentosus et incanis* Clusio, J. B. 1, 355, Clus. Hist. 41. Cit. *Erica vulgaris var. β* L., ed. ii, 501. The specimen is *C. vulgaris* Hull var. *pubescens* Hull.
- *890. *E. Brabantica sive Coridis foliis hirsutis quaternis*, J. B. 1, 358. *Erica ex rubro nigricans scoparia*, C. B. P. 486. *Erica pumila Belgarum Lobelii, scoparia nostras*, Park. *Erica major flore purpureo*, Ger. *Erica* 13 Clus. Hist. 46. *Erica Tetralix* L.
891. *Eadem flore albo*.
892. *Erica ramosior foliis quaternis brevioribus*, e Gallia, D. Lhwyd.
- *893. *E. tenuifolia*, Ger. *Erica humilis cortice cinereo, Arbuti flore*, C. B. P. 486. *Erica ramulis ternis, floribus saturatioribus purpureis*, J. B. 1, 357. *Erica virgata sive 6*, Clus. Hist. 43. *E. cinerea* L.
894. *E. major vulgaris foliis deciduis*, C. B. P. 485. *Erica arborescens floribus luteolis, vel herbaceis minimis*, J. B. 1, 356. *Erica Coris folio 4*, Clus. Hist. 42. Cit. *E. scoparia* L., 353.
- *895. *E. maxima purpurascens longioribus foliis*, C. B. P. 485. *Erica Coris folio maxima purpurascens*. Park. *Erica foliis Corios quaternis flore purpurascente*, J. B. 1, 356. *Erica Coris folio 2*, Clus. Hist. 42. *Erica major flore purpureo*, Ger.
- *896. *E. major floribus ex herbaceo purpureis*, C. B. P. 485. *Erica foliis Corios quaternis, floribus herbaceis, deinde ex albo purpurascens*, J. B. 1, 356. *Erica Coris folio 3*, Clus.

- Hist. 42. Cit. *E. viridi-purpurea* L., 353 = ***E. pelviformis*** Salisb.
- *897. *E. ternis* per intervalla ramulis, C. B. P. 486. *Erica arborescens* Monspeliensis flore purpurascente ramulis ternis, J. B. 1, 357. *Erica Coris* folio 5, Clus. Hist. 43. *Tournef. è Lusit.* ***E. deliciosa*** Wendl. f.
- *898. *E. procumbens dilute purpurea*, C. B. P. 486. *Erica foliis Corios*, flore purpureo dilutioris coloris, J. B. 1, 358. *Erica Coris* fol. 8, Clus. H. 43. *Erica procumbens sive supina pallide purpurea*, Park. *Erica foliis juniperinis* D. Lhwyd ex *Hibernia*. *E. herbacea* L. The specimen is ***E. mediterranea*** L., var. *hibernica* Syme.
- *899. *E. folio Corios multiflora*, J. B. *Erica Coris* folio 2 altera species, Clus. Hist.
- *900. *E. supina maritima Anglica*, Park., Raii Hist. ***Frankenia laevis*** L. (= *F. hirsuta* L., I. K.).
- *901. *E. Stⁱ. Debeosi*, D. Lhwyd. Cit. *Erica dabocicii* L., ed. ii, 509 = *Daboecia polifolia* D. Don = ***Boretta Daboecii*** Baill.
- *902. *E. Capensis Coridis foliis brevioribus* flo. purpurascente minore. *From ye Cape of Good Hope*. ***Erica imbricata*** L., teste N. E. Brown.
- *903. *E. Abietiformis Aethiopica Unionifera*, sive capsulis globosis, Pluk. Tab. 279, 2? ***E. gnaphalodes*** Thun., teste N. E. Brown.
- *904. *E. tenuifolia flosculis suave rubellis*, Promont. Bonae Spei, Pluk. Tab. 175, 3. ***Anthospermum ciliare*** L.
- *905. *E. Africana Coris folio*, flore flavescente, Par. Bat. Pr. ***Passerina filiformis*** var. *vulgaris* Meissn., teste C. H. Wright.
- *906. *E. Coridis folio Capensis flore rubello*, Pet. Gazyoph. T. 3, 7. ***Erica mucosa*** L., teste N. E. Brown.
- *907. *E. Capensis umbellata aspera*, Mus. Pet. 766. *Erica Africana Juniperi folio* flore oblongo umbellato, Tourn. I. R. H. *Erica Africana umbellata* flore purpureo, Barth. Act. Haff. vol. 2, 57. ***E. cerinthoides*** L., teste N. E. Brown.
- *908-9. *E. Africana floribus longissimis luteis*, Hermanni. An *Erica Coris foliis hispidis Cerintheoides Africana*, Breyn. Cent. 1? ***E. cerinthoides*** L.
910. *E. Africana flosculis subhirsutis secundum ramulos dispositis*, Oldenl., Tourn. I. R. H. 603.
- *911. *E. Capensis Cerinthes flore staminoso*, Mus. Pet. 205. ***E. Plukenetii*** L., teste N. E. Brown.
- *912. *E. Coris folio floribunda*, ex Promont. Bon. Sp., Pluk. Alm. 136, vel *Erica aculeata foliorum lanugine cinerea*, Pluk. Mantiss. p. 69, Tab. 347, 3. *From y^e Cape of Good hope*. ***Aspalathus araneosa*** L.

913. *E. Aethiopica Rorismarini sylvestris folio eleganter punctato flore purpureo tetrapetalo*, Pl. Mantiss. p. 68, Tab. 347.
914. *Ericaeformis Aethiopica Cupressi foliis compressiusculis*, Pluk. Tab. 279, 2 ?
- *915. *Ericaeformis Coridis folio Aethiopica floribus pentapetalis in apicibus*, Pluk. Tab. 279, 5. Cit. *Diosma ericoides* L., 198, but the specimen does not agree.
- *916. *Ericae facie Polygonoides Africana pentapetalos, viticulis in creberrima capillamenta squamulis conflata diffusis*, Pluk. Tab. 28, 4. **Staticae ferulacea** L.
- *917. *Lewisanus Capensis foliis capillaceis*, Mus. Pet. 784. **Berzelia lanuginosa** Brongn., teste N. E. Brown.
- *918. *L. Capensis serpylli folio*, Pet. Gaz. Tab. 5, 7. Petiver's specimen. Cit. *Brunia Levisanus* L., 199 = *Leucadendron Levisanus* Berg.
- *919. *Frutex cinereus muscosus*, Cap. Bon. Sp., Breyn. Cent. 1, 24, Cap. 12. ? *Scriphium cinereum* L., 928 = *Stoebe cinerea* Thunb.
920. *Eriocephalos Bruniades Ericaeformis Monomotapensis, capitulis globulorum instar, interius cavis, et densa lanugine tectis*. Pluk. Mantiss. p. 69, 8, Tab. 347. *Breyniana Capensis capitulis albis plumosis*, Pet. Tab. 5. 4. *Frutex Africanus aromaticus flore spicato exiguo*, Comm. H. Amst. Vol. 2. Cap. 50. Cit. **Erica bruniades** L., 354.
- *921. *Frutex Africanus Ambram spirans*. Cit. **Anthospermum aethiopicum** L., 1058.

FRUTICES LANIGERI.

922. *Tamariscus Narbonensis*, Lob. Icon. 218. *Tamariscus major sive arborea Narbonensis*, J. B. 1, 351. *Tamariscus altera folio tenuiore, sive Gallica*, C. B. P. 485. Cit. **Tamarix gallica** L., 271.
923. *T. Germanica sive minor fruticosa*, J. B. 1, 351. *Tamariscus fruticosa folio crassiore, sive Germanica*, C. B. P. 485. *Tamariscus Germanica*, Lob. Icon. 218. *Tamariscus folio latiore*, Park. Cit. *T. germanica* L. = **Myricaria germanica** Desv.
924. *T. Atle vocata*, Prosp. Alp. de Plant. Aegypt. *Tamarix Aegyptiaca arbor*, C. B. P., Pluk. Tab. 318, 3. According to Muschler, Manual Fl. Egypt 1, 649, 'Athl' is the Arabian name for *Tamarix articulata* Vahl.
925. *Tamarisci, sive Myricae forte genus Aethiopicum muricato fructu*, Pluk. Tab. 297, 1. *Breyniana cineroides capensis*, Pet. Gaz. Tab. 3. 9. *Frutex cineraceus muscosus*, Cap. Bon. Spei, Breyn. Cent. 1, 24, Cap. 12. The latter name is the same as No. 919.

- *926. *Thymelaea foliis acutis capitulo Succisae, sive Alypum Monspeliensium*, C. B. P. 463. *Alypum Monspeliensium* sive *Frutex terribilis*, J. B. *Hippoglossum Valentinum*, Clus. Hist. 90. **Globularia Alypum** L.
- *927. *Nerium sive Oleander*, Ger. *Nerion floribus rubescentibus*, C. B. P. 464. *Nerion sive Rhododendron flore rubro*, J. B. 2, 241. *Oleander*, *Laurus rosea*, Lob. icon. 364. **Nerium Oleander** L.
- *928. *Nerion floribus albis*, C. B. P. 464, Lob. icon. 365. *Nerium sive Rhododendron flore albo*, J. B. I, 141. **N. Oleander** L., *flore albo*.
929. *Nerium Indicum latifolium flore rubro, et aliquando variegato, odorato, pleno*, H. Beaumont. *Nerium Indicum flore rubescente pleno*, Breyn. Pr. 2, 76. *Tsiovanna-areli*, H. Mal. Part 9, Tab. I. Cit. Hooker Fl. Ind. iii. 655. **N. odorum** Soland.
- *930. *N. Indicum angustifolium floribus odoratis simplicibus*, H. Leyd. *Nerium Indicum angustifolium flore incarnato odorato simplici*, P. B. Pr. 356. *Belutta-areli*, H. Mal. Part 9, 2. **N. odorum** Soland.
- *931. *N. Americanum maximum folio obtuso*, P. B. P., Pluk. Tab. 207, 1.
- *932. *N. Indicum folio nonnihil mucronato*, P. B. P.? *An Arbor Indica Nerii foliis splendidibus Belgarum?* *Cheggo pallary*. **N. odorum** Soland.
- *933. *Nerio affinis angustifolia lactescens flore luteo Americana*, Pluk. Tab. 207, 3. *Chelsey*. Cit. *Cerbera Thevetia* L., 209 = *Thevetia nereifolia* Juss.
- *934. *Nerium Indicum latifolium floribus plenis odoratis*, H. Leyd. **N. odorum** Soland.
- *935. *N. forte Sirinamense sanguineis foliorum venis et foliis Cinnamonomi Parkinsono aemulis*, Pluk. Tab. 207, 1, Alm. 263. *Et Arbor forte Balsamifera*, Pluk. Alm. p. 42. *Sent from Bombay by my bro^r. Danl. du Bois 1702 & from Fort St. George.* **Plumeria acutifolia** Poir.

SUFFRUTICES.

Suffrutices vel Subfrutices lignosa substantia, aequae ac Arbores et Frutices, quae per se constant, donata sunt; hi vero vel capreolis, caulibus sarmentisve, vel radiculis scandentes, adminiculum, quo sustentari possint petunt.

SUFFRUTICES CAPREOLIS SCANDENTES.

- *936. *Vitis muscatelina alba*. *Uva muscatela*, Car. Steph. Praed. Rust. 374. *Vitis Apiana* Plinio, C. B. P. 298.

Nos. 936-942 appear to be specimens of various cultivated forms of *Vitis vinifera* L.

- *937. *V. Rheinensis* fructu subviridi ovali.
- *938. *V. Frontiniaca* alba
subrubens aut ferruginea
rubra vel nigricans.
- *939. *V. Corinthiaca* sive *Apyrina*, J. B. 2, 72. *Uvae passae minores*,
vel *Passulae Corinthiaca*e, C. B. P. 299. Cit. *V. vinifera*
var. β *apyrena* L., 202.
- *940. *V. fructu ex albo rubro mixto et striato*.
- *941. *V. fructu extus, et succo intus ruberrimo*. The Red wine
grape.
- *942. *V. Aurelianusensis* rubra.
- *943. *V. Vinifera sylvestris Americana* folio aversa parte densa lanu-
gine tectis, *Vulpina* dicta *Virginiana*, Pluk. Tab. 249. 1.
Cit. *V. Labrusca* L., 203.
- *944. *V. sylvestris* è Terra Mariana.
- *945. *V. laciniatis foliis*, Cornuti, 183. *Vitis foliae Apii*, J. B. 2, 73.
Cit. *V. laciniosa* L., 203 = *V. vinifera* L., 202.
- *946. *V. Madraspatana* fructu azureo, folio subrotundo et anguloso,
Mus. Pet. 696.
- *947. *V. Pearmeedoorica* foliis ternis subrotundis serratis, Pet. Act.
Philos. No. 267, p. 607. *Belutta Tsiori-valli*, H: Mal. Tom. 7,
p. 19. *Petiver's specimen*. Cit. *V. trifolia* L., 203.
- *948. *Arbuscula baccifera circumplicatilis vitigineo folio lanato*,
fructu racemoso fervidiore odore. *Perreaurulla Malabarorum*,
Pluk. Mantiss. p. 27, 2, Tab. 337. Cit. *Cissus vitiginea* L.,
117 = *V. repanda* W. & A.
- 949. *Clematis Americana capreolis donata*, Loti Arboris folio. *Coryli*
sive *Avellanae* folio oblongo et acuminato, Frutex convol-
vulaceus capreolatus, Pluk. Tab. 162, 3, P. B. P.
- *950. *Clematis Bryonoides trifolia Indica capreolata*. *Bryonoides*
Indicum trifoliatum foliis succulentis crassis et crenatis,
Pluk. Tab. 152, 2. e *Madrasp.* Cit. *Cissus acida* L., ed. ii.
179 = *Vitis acida* Thunb.
- 951. *Syringa scandens Madraspatana Fraxini* foliis densioribus,
claviculis donata, Pluk. Tab. 228, 1.
- *952. *Smilax aspera* fructu rubente, C. B. P. 296. *Smilax aspera*,
J. B. 2, 115. *Smilax aspera rutilo fructu*, Clus. Hist. 112.
Smilax aspera L.
- *953. *S. aspera* folio ad basin latiore et rotundiore. *S. aspera* L.
- *954. *S. aspera* foliis latis in margine spinosis, *Caroliniana*, stipite
leni quadrato, Pluk. Alm. 348, Tab. 111, 1. *S. bona nox* L.

- *955. *S. aspera* Bermudensis grandioribus foliis cordiformibus radice surculosa, Pluk. Tab. 110, 6. **Smilax** sp.
- *956. *S. Virginiana* spinis innocuis armata, latis Canellae foliis radice arundinacea crassa et carnosâ, Pluk. Tab. 110, 5. Pseudo-China radix ex Virginia, Clus. Exot. Forte China spuria nodosa, C. B. P. Cit. *S. Pseudo China* L., 1031, but the specimen is *S. laurifolia* L.
- *957. *S. claviculata* Hederaefolia tota levis è Terra Mariana, Pluk. Tab. 225, 3. **S. herbacea** L.
- *958. *S. viticulis asperis* Virginiana folio hederaceo leni, Zarza nobilissima, Pluk. Tab. 111, 2. *Smilacis asp. spec. Scammonium*, C. Foster. Cit. *S. Sarsaparilla* L., 1029.
- *959. *S. Orientalis* sarmentis aculeatis, excelsas arbores scandentibus, foliis non spinosis, Tourn. Coroll. p. 45. China radix officinarum, Park. 1578. Lampatan chinensibus. Cit. *S. excelsa* L., 1029.

SUFFRUTICES VITICULIS SCANDENTES.

- *960. *Periclymenum vulgare*, Ger. *Periclymenum* s. *Caprifolium vulgare*, Park. *Periclymenum non perfoliatum Germanicum*, C. B. P. 302. *Periclymenum non perfoliatum*, J. B. 2, 104. **Lonicera Peri-Clymenum** L.
961. *P. vulgare* foliis eleganter variegatis. Henley.
962. Variat foliis Quercinis.
- *963. *Periclymenum perfoliatum*, C. B. P. 302, J. B. 2, 104. *Periclymenum perfoliatum sive Italicum*, Park. *Praecocius album et vulgatus*. **L. Caprifolium** L.
- 963 B. *P. perfoliatum majus* flore ex albo rubente. **L. Caprifolium** L.
- *964. *P. perfoliatum album serotinum*. From *D. Harding. Mr. Schrooby hath of it from Hinksey* [Berks]. **L. Caprifolium** L.
965. *P. sarmentis purpurâscentibus*, folio caesio semper virente, flore intus candido, ex rubicundissimo, J. B.
966. *P. sive Caprifolium Germanicum* flore rubello, Park. *Periclymenum perfoliatum serotinum speciosius*, H. R. Par. *Caprifolium Germanicum* flore rubello serotinum, Bross.
- *967. *P. folio ex albo viridi et luteo eleganter adumbrato*, Pluk. Tab. 213, 1. *Periclymenum foliis sinutis variegatis et hirsutis*, Raii Hist. è Germanico flore rubello degener? **L. Periclymenum** L. var. *quercifolium* Ait., teste N. E. Brown.
- *968. *P. Virginianum humilius* flore coccineo tubuloso. *P. perfoliatum*, semper virens et florens, H. L. Bat. 484. **L. sempervirens** L.

- *969. *P. Virginianum* staminulis longioribus, ex floribus pentapetaloidibus prodeuntibus. *Cistus Virginianus* flore et odore Periclymeni, Pluk. Alm., Tab. 161, 4. *Azalea lutea* L. = *Rhododendron nudiflorum* Torr.
- *970. *P. Zeylanicum* herbaceum foliis variegatis diversicoloribus maculis ornatis, Pluk. Tab. 212, 6. *Clematis Indica* folio Persicae, fructu Periclymeni, C. B. P. *Tulica poee*, Gentu, Tooracou poee. Batavis Zeylonensibus, Slang Cruit. *From Fort St. George. Graptophyllum hortense* Nees, teste N. E. Brown.
971. *Chamaepericlymenum*, Park., Ger.
972. *Jasminum vulgatius* flore albo, C. B. P. 397. *Jasminum* sive *Gelseminum* flore albo, J. B. 2, 101. *Gelseminum vulgatius*, *Jasminum*, Lob. Icon. 105. Cit. *Jasminum officinale* L.
973. *J. album* vulgare foliis et caulibus ex aureo variegatis. *J. officinale* L. *forma*.
- *974. *J. humilium* magno flore, C. B. P. 398. *Jasminum Hispanicum* flore majore, externe rubente, J. B. 2, 101. *Jasminum candidiflorum*, Tab. Icon. 885. *J. grandiflorum* L.
- *975. *J. humilium* luteum, C. B. P. 397. *Jasminum* sive *Gelseminum* luteum, J. B. 2, 102. *Jasminum luteum*, Lob. icon. 106. *J. humile* L.
- *976. *J. luteum* vulgo dictum bacciferum, C. B. P. 398. *Trifolium fruticans*, quibusdam, *Polemonium* flore luteo, J. B. 1, 374. *Trifolium fruticans*, Dod. Pempt. 571. *Jasminum luteum* sive *Trifolium fruticans* aliis *Polemonium*, Park. Cit. Hort. Cliff. p. 5, *J. fruticans* L., 7.
- *977. *J. Indicum* flavum odoratissimum, Park. *Jasminum* flavum odoratum, H. R. P. *Gelseminum Indicum* flavum odoratissimum, Ferrar. Flor. Cult. *J. odoratissimum* L.
- *978. *J. album trifolium* flore magno, ex Insula Maderensi, Pluk. Tab. 303, 1 ?
- *979. *J. myrsinites triphyllum* Malabariense, floribus oblongis rubellis, Pluk. Tab. 303, 2.
- *980. *J. Indicum trifoliatum* et mucronatum flore albo.
981. *J. Brasilianum* lato terno folio, parvo flore odoratissimo, monococcon, Tournefort.
- *982. *J. Arabicum* sive *Indicum Mali Aurantiae* foliis flo. albo minore, Breyn. Prod. *Jasminum Arabicum*, Clus. *Jasminum* sive *Sambac Arabum Alpino*, J. B. *Syringa Arabica* folio *Mali Aurantii*, C. B. P. *Nalla mulla*, Hort. Mal. *Foula magari*, Lusit. *J. Sambac* Soland.
- *983. *J. Indicum Mali Aurantiae* foliis flore albo pleno. Breyn. Pr. 2. *Nalla-mulla* H. M. T. 6. 87. est *Sambac Jasminum Arab. P. Alp. Egypt.* *J. Sambac* Soland.

- *984. *J. Malabaricum* foliis Mali Aurantiae, flore niveo odoratissimo, Commelin in notis. Nandi ervatam. Nandi ervatam minor, Hort. Mal. Tom. 2, p. 107. Sent from Fort St. George by my sister Mary du Bois, 1703.
- *985. *J. Indicum coccineum umbellatum* foliis Lauri, Hermanni, Ratambala Indorum. ex Ind. Orient. ***Ixora coccinea* L.**
- *986. *J. Indicum Laurifolio inodorum umbellatum*, floribus albican-
tibus, P. B. P., Pluk. Tab. 109, 2. Shetti Malabar., foliis
Laurinis venosis, Act. Philos. no. 276, pag. 1014, pl. 198.
Petiver. I. alba L.
- *987. *J. Zeylanicum laurifolium umbellatum alterum.* Coda Molly.
- *988. *J. Orientale album* foliis amplis Laurinis ex adverso positis.
? ***Jasminum Sambac*** Soland.
- *989. *J. Indicum sylvestre inodorum album* foliis Ligustri, Hermanni.
Walpiha Indorum. The specimen has become detached from
the sheet and lost. On the same sheet is another specimen
From Fort St. George. *Parcellaa & Peaculla & Paygellay*
Chedde, An Jasmini spec. ? Catu Pitsjegam-Mulla, H. Mal. T. 6,
p. 93. J. angustifolium Willd., teste Dillwyn.
- *990. *J. album Orientale Alaterni* foliis non crenatis. ex Ind. Orient.
- *991. *J. Orientale album tubulo tenuiore*, foliis Saponariae similibus.
***Daedalacanthus* sp.**
- *992. *J. flore albo inodoro Arbuscula Zeylanica.*
- *993. *J. flore albo inodoro Arbuscula Africana fol. acuminatis,*
Hermanni.
994. *J. bacciferum, Parietariae foliis, tubo longiore albo, ex oris*
Malabaricis. Arbor tristis Myrto similis, C. B. P. 469, Pluk.
Alm. p. 46. Nego mully, Malabar, H. Mal. Tom. 1. fig. 21.
***Nyctanthes Arbor tristis* L., teste Dillwyn.**
- *995. *J. Americanum album spinosum folio lucido.*
- *996. *J. Indicum foliis rigidis, rotundioribus, Laurinis.* From Petiver.
- *997. *J. Indicum Laurustini foliis.*
998. *Solanum scandens sive Dulcamara, C. B. P. 167. Glycypicos*
sive Amaradulcis, J. B. 2, 109. Dulcamara, Dod. Pempt. 402.
Cit. Solanum Dulcamara L., 185.
999. *S. scandens foliis variegatis, H. R. Par. S. Dulcamara L,*
forma.
1000. *S. scandens sive Dulcamara flore albo, C. B. P. 167. S. Dulca-*
mara L., *f. alba.*
1001. *S. scandens sive Dulcamara marina, Raii Syn. 149. S. Dulca-*
mara L. var. ***marinum*** Bab.
1002. *Arbuscula plicatilis Virginiana baccifera, Pruni foliis, floribus*
subviridibus corymbatim dispositis. Arbusculum Ameri-
canum amplexicaule, Cerasi folio corymbosum, Pluk. Alm.
p. 48, Tab. 146, 2. The Poyson Wyth of Virginia.

1003. *Rubus vulgaris* fructu nigro foliis variegatis. Cit. *Rubus fruticosus* L.
- *1004. *R. spinosus* foliis et flore eleganter laciniatis, Tourn. I. R. H. 614. *Rubus* foliis eleganter dissectis, D. Fagon, Pluk. Tab. 108, 4.
1005. *R. vulgaris* spinis carens, H. R. Par. *Rubus* non spinosus major fructu nigro, Bar. Icon.
- *1006. *R. repens* fructu caesio, C. B. P. 479. *Rubus* minor fructu caeruleo, J. B. 2, 59. *Rubus* minor, Dod. Pempt. 742. *Rubus caesius* L.
- *1007. *R. Alpinus* humilis, J. B. 2, 61. *Chamaerubus saxatilis*, C. B. P. 479. *Rubus saxatilis* Alpinus, Clus. Hist. 118. *R. saxatilis* L.
1008. *R. palustris* humilis, J. B. *Chamaerubus* foliis *Ribes* Anglica, C. B. P. 480. *Chamaemorus*, Clus. Hist. 118. Cit. *R. Chamaemorus* L., 494.
1009. *R. Idaeus* spinosus, C. B. P. 479. *Rubus* *Idaeus* spinosus fructu rubro, J. B. 2, 57. *Rubus*, Dod. Pempt. 742. Cit. *R. idaeus* L., 493.
1010. *Idem* fructu albo, ejusd. Cit. *R. idaeus* var. β L., 493.
- *1011. *Rubus* *Idaeus* fructu nigro *Virginianus*, D. Banist., Pluk. Alm. Cit. *R. occidentalis* L., 493.
- *1012. *R. Idaeus* maximus *Americanus* non spinosus flore roseo, fructu compressiore, Pluk. Alm. *Rubus* odoratus, Cornuti, 150. *R. odoratus* L.
- *1013. *Clematis sylvestris* latifolia, C. B. P. 300. *Clematis* latifolia dentata, J. B. 2, 125. *Vitalba*, Dod. Pempt. 404. *Clematis Vitalba* L.
1014. *C. latiore folio* *Vulgaris* facie *Virginiana*.
- *1015. *C. latifolia* *Caroliniensis* *Viornae* facie semine longiore. *C. Viorna* L.
- *1016. *C. sive* *Flammula repens*, C. B. P. 300. *Clematis* sive *Flammula scandens tenuifolia* alba, J. B. 2, 227. *Flammula*, Dod. Pempt. 404. *C. Flammula* L.
- *1017. *C. Boetica* Clusio, J. B. 2, 226. *Boetica*, Clus. Hist. 123. *Clematis peregrina* foliis *Pyri* incisiss, C. B. P. 300. *C. cirrhosa* L.
- *1018. *C. Hispanica* sive *Viorna* brevioribus foliis. An eadem è *Lusitania*, D. Petiver?
1019. *C. caerulea* repens, C. B. P. 300. *Clematis* sive *Flammula* flore caeruleo scandens, J. B. 2, 128. *Clematis altera*, Dod. Pempt. 406. Cit. *C. Viticella* L., 543.
1020. *C. purpurea* repens, C. B. P. 300. *Clematis* sive *Flammula* flore purpureo scandens, J. B. 2, 128. *Clematis purpurea*, Tab. ic. 882. Cit. Hort. Cliff. 225, *C. Viticella* L., 543.

1021. *C. peregrina* purpurea flore pleno, Eyst. *Clematis* purpuræcaerulea flore pleno, C. B. P. 301. *Clematis* purpurea flore pleno scandens, J. B. 2, 128.
- *1022. *C. Virginiana* scandens tenuiore folio, sapore fervido. *Pepper tree* vulgo dicta. *Virginia*. Leaves of two distinct plants.
1023. *Cordis Indi* folio et facie frutescens Curassavica latifolia, P. B. P., Pluk. Tab. 168, 6.
1024. *C. Indi* folio et facie frutescens Curassavica angustifolia, P. B. P., Pluk. Tab. 168, 5.
- *1025. *Clematis Virginiana* hederacea umbilicato folio flore papposo, H. R. P. *Hedera monophylla* Convolvuli foliis, Pluk. Tab. 36, 2. *Hedera Virginiana* *Clematidis* facie, radice flavescente, Hort. Cathol. *Clematis Hederæ folio* H. R. *Blesens. Moris. Menispermum canadense* L.
1026. *Eadem* foliis sinuatis.
1027. *Clematis Lauri Alexandrinae* foliis Capensis flore albo parvo stellato. Badminton.
- *1028. *Capparis* non spinosa fructu majore, C. B. P. 480. *Capparis* non spinosa, J. B. 2, 63. *Capparis rotundifolia* non spinosa, H. R. P. Two sheets, one *Ex Hispania*. Spineless form of ***Capparis spinosa* L.**, teste N. E. Brown.
- *1029. *C. spinosa* fructu minore, folio rotundo, C. B. P. 480. *Capparis spinosa*, J. B. 2, 63. *Capparis retuso folio*, Lob. Icon. 635. *Capparis vera rotundifolia. C. spinosa* L.
- *1030. *Capparis Indica* spinosa angustiori *Salicis* folio, Paulpronee Malabarorum, Pluk. Mantiss. p. 36, 2, Tab. 341. ? *Posoqueria latifolia* Roem. & Schult.

SUFFRUTICES RADICULIS SCANDENTES.

- *1031. *Hedera arborea* ex argenteo et viridi foliis eleganter variegatis, Pluk. Alm. Cit. Hort. Cliff. 74, ***Hedera Helix*** var. γ L., 202.
- *1032. *H. Poetica*, C. B. P. 305. *Hedera Dionysias*, Dal. Lugd. 1419, J. B. 2, 113. sive *Chrysocarpos*. Cit. **H. Helix** var. β L., 202.
- *1033. *H. Clematidis Atragenis* singulari folio splendente, Pluk. Tab. 93, 1. *A climber, Chelsey*.
1034. *H. trifolia repens Canadensis*, Cornuti, 96. *Vitis sylvestris trifolia*, Park. 1556, et *Hedera trifolia Virginensis* ejusd. 679. *Toxicodendron triphyllon glabrum*, Tourn. I. R. H. 611. ? Cit. *Rhus radicans* L. 266 = **R. Toxicodendron** L. (I. K.).
- *1035. *H. trifolia Virginiana* erectior et hirsutior. Leaves only. ***Rhus*** sp.
1036. *H. trifolia erecta Virginiana* glabra.

- *1037. *Hedera trifolia sinuatis et dentatis foliis Americana*, Pluk. Alm. **Rhus** sp.
- *1038. *H. quinquefolia Canadensis*, Cornuti, 100. *Vitis hederacea Indica*, Bodaei a Stapel. *Vitis quinquefolia Canadensis scandens*, Tourn. I. R. H. 613. *Hedera quinquefolia* L. = *Vitis hederacea* Ehrh. = **Parthenocissus quinquefolia** (L.) Planch. (Brit. & Br.).
1039. *H. quinquefolia Virginiana*, foliis profundius dentatis.
1040. *H. Poetica* foliis ex argenteo variegatis. See No. 1032.
1041. *Bignonia. Jasminum hederaceum Indicum*, Cornuti.

ARBORES CAUDICE SIMPLICI NON RAMOSO.

- *1042. *Palma dactylifera major vulgo*, C. B. P. 506. Johnston Dend. I. 2. *Palma*, J. B. I, 351. *Maha-Indi et Indi Zeylanensibus. Leaf of Phoenix dactylifera* L.
- *1043. *P. dactylifera Americana racemosa*, C. B. P. *Chamaeriphes peregrini*, Clus. Exot. *Carimpana*, Hort. Mal. T. I, 9. *Barbadoes 91. A leaf, probably Thrinax* sp.
- *1044. *P. humilis sive Chamaeriphes spinosa ex Insulis Balcaribus. Palma humilis spinosa*, J. B. T. 1, 370. **Chamaerops humilis** L.
- *1045. *P. Amer. farinifera et papyrifera excelsissima, fructu parvo racemoso rotundo, nucleo instar Nucis moschatae variegato*, Pluk. Alm. 275. *Palma nobilis s. regalis Jamaicensis et Barbadiensis*, Raii Hist. 1361. The Cabbage tree. ?**Euterpe** sp.
1046. *P. Indica coccifera angulosa*, C. B. P. 508. *Palma Indica Nucifera*, J. B. T. 1, 375. *Tenga*, H. Mal. I, I. The Cokar Nut Tree. **Cocos nucifera** L.
- *1047. *P. (forte) sive Phoenica scorpiuros aut Heliotropium Palmites spinosum Polygonati angustis foliis Madrasp.*, Pluk. Tab. 106, I. **Calamus** sp.
1048. *P. Americana spinosa*, C. B. P. 507, Pluk. Tab. 103, 1. *Palma Hayri*, Park. *Palma facie Hairi*, J. B. T. 1, 193.
1049. *P. altera foliis alatis acutioribus.*
1050. *P. Amer. pediculis et foliorum carinis, rarioribus et longissimis spinis aculeata, summis apicibus leviter serratis*, Pl. Alm. *Schunda-pana*, H. Mal. 1. 15. *Palma Sirinamensis sagittaria, sive folio Polygonati longiori folio, validissimis spinis et longissimis horrido*, Breyn. Prod. 2. 82.
- *1051. *P. sagittalis.* D. Richardson.
1052. *P. -pinus Amygdaloides ex Insula Barbadosi*, Pl. Alm. 278. **Amygdalus Guianensis**, Clus. Exot.

- *1053. *P. humilis longis latisque foliis*, C. B. P. Item *Ficus Indica fructu racemoso, foliis oblongis, ejusd.* *Ficus Indica racemosa foliis et fructu amplissimis*, *Musa Arabibus dicta*, Pluk. Alm. Bala, sive *Musa Serapionis*, H. Mal. 2, 27. Plantane tree. *The tree Plantaine leaf, of w^{ch} this is a little one, some of them being 16 or 20 feet long, whose fruit is good to eat.* Cited *Musa paradisiaca* L., 1043.
1054. *Musae affinis altera*, C. B. P. *Ficus Indica racemosa foliis venustius venosis fructu minore*, *Banana dicta*, Marcgr.
1055. *Arbor Americana Malabathri subrotundis foliis, subtus lanugine ferruginea villosis*, Pluk. Tab. 249, ex Surinam.
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1056. *Viscum baccis albis*, C. B. P. 423. *Viscus Quercus et aliarum arborum*, J. B. Tom. 1, 89. Cit. *Viscum album* L., 1023.
- *1057. *V. quercinum Virginianum latiore et rotundiore folio. e Virginia.* ? *Phoradendron flavescens* Nutt.
1058. *V. arboreum. s. Epidendron flore albo specioso Americanum, foliis forma siliquarum Nerii*, Pluk. Tab. 117, 6. *Nerii siliquae effigie Kaye Baka*, J. B. Tom. 2, 142. *Fructus Nerii siliquae figura*, C. B. P. 464, per errorem. *Kaye Baka*, Clus. Exot. lib. 3, cap. 19. Cit. *Epidendrum nodosum* L., 953 = *Brassavola nodosa* Lindl.
1059. *V. caryophylloides maximum flore tripetalo, pallide luteo, semine filamentoso*, Sloan. Cat. Jam. p. 76. *Visci modo arboribus Indicis adnascens*, C. B. P. p. 423. *Viscum Indicum aliud*, J. B. *Viscum Indicum seu Peruvianum aliud Aloes facie arboribus item innascens*, Adv. p. 425 et 455. Vid. Phil. Transact. No. 251, April 1699.
1060. *V. Indicum folio oblongo serrato flore Periclymeni. Cherry mel cheddy*, Indigenis dictum.
1061. *V. Indicum è Malo Limoniae sylvestri enascens.*
- *1062. *Epidendron quoddam Africanum, è Cod. Comptoniano. A drawing.*
1063. *Planta Indica ex Arborum annosarum truncis excrescens sarmentosa*, Kabolossa, Hermannii. (See p. 316.)
1064. *Epidendron Barbadiense Pseudo-orchidis folio. An Arna sive Ana vereca*, Zan. Ist. fig. IX.
1065. *E. Aurantiacum Barbadiense.*
1066. *Vitus Malabarica fere heptaphyllos*, H. sic. Pet., Raii, Vol. 3, p. 249.
1067. *Bryonoides trifoliatum Indicum foliis succulentis crassis et crenatis*, D. Pluk. Tab. 152. 2. è Madrasp. See No. 950.

LIGNOSA INCOGNITA AUT PROPRIIS NOMINIBUS CARENTIA.

- *1068. An *Aceris* species? *Aceris* fructu herba anomala, flo. tetrapet. alb., D. Sloan. Tab. 127. **Begonia** sp.
- *1069. Alder tree, Barbadoes, bearing Berrys. It hath leaves like to our nut tree, pretty large tree. **Conocarpus erectus** L.
1070. Alla marram. 1071. Aly curry.
1072. *Alnifolia Americana serrata*, floribus pentapetalis albis in spicam dispositis, Pluk. Tab. 115, 1. Cit. **Clethra alnifolia** L., 396.
1073. Alegator tree or Pear. ? **Persea gratissima** Gaertn.
1074. Ambulan, Hort. Mal. 1075. Ameny Inch.
- *1076. Animal tree of Barbadoes.
1078. Alla marram.
- *1079. Arbor *Aristolochiae foliis Madraspatana fructu parvo Medicæ ad instar involuto*. An Gummi elemi fundens arbor orientalis, Pluk. Tab. 13, 2.
1080. A. *Africana Ziziphi foliis odoratis*.
1081. A. *aromatica è Cormandel Laurinis foliis binis ternisve*, Raii Hist., Vandell Indorum.
- *1082. A. *Africana cujus Lignum Alno simile*, Hermannii.
1083. A. *Laurifolia fructubus Carpattam referentibus*, Herman. Boharal Carpatta vulgo.
- *1084. A. Amer. Oleo melliflua cuspidatis foliis, Pluk. Alm. 43. True Honey Tree of Barbadoes. 91. Two sheets. ? **Casearia** sp. The second sheet is labelled — *Wild honey tree hath leaves like Apricocks and bears little round fruits or berryes, sweet as honey at first but not soe afterward*. (See p. 317.)
- *1085. A. *Americana convolvulacea*, Pluk. Alm. p. 45. *Broad leaf, a tree of Barbadoes*. 91. Cit. **Tetracera volubilis** L., 533 et Hort. Cliff. 214.
- *1086. A. *Americana ampliori folio trinervi inferius alba lanugine incano*, Pluk. Tab. 250, 2. Forte *racemosa Brasiliana foliis Malabathri*, Breyn. Cent. 1. *ex Surinam*. **Miconia holosericea** DC.
- *1087. A. Amer. foliis a concursu nervorum ima parte longius productis, subtu lanugine candicante tomentosis, Pl. T. 249, 1. **M. Plukenetii** Naud.
- *1088. A. Amer. trinervis latioreque folio, ex adverso lanugine pubescente. ? **Bellucia** sp.
- *1089. A. Amer. latiore et mucronato folio trinervi, utrinque glabro et margine leviter crenato, Pluk. Tab. 249, 4. *Mespil boom*. B. *Grossularioides Triana* = **B. Aubletii** Naud.
- *1090. A. *Syrinamensis Canellæ folio maximo utrinque glabro*, Pluk. Tab. 249, 5; Alm. p. 40. **B. Aubletii** Naud.

- *1091. Arbor Amer. trinervi latissimo folio utrinque glabro. **B. Aubletii** Naud.
1092. A. Amer. folio praegrandi acuminato, venuste venoso aversa parte villis virentibus obsito ad pediculum strictiore, Pluk. Tab. 250, 4.
- *1093. A. Amer. praelongo et angusto mucronato folio inter Garryophyllum et Piper Orientale medio sapore aromatico, ex Syrinam, Pluk. Tab. 250, 6.
- *1094. A. Amer. densioribus foliis prona parte villosis supina splendens glabris. Pluk. Tab. 250. 3. *ex Surinam.*
- *1095. A. Syrinamensis Laurinis foliis amplis, ad basin rotundioribus. Bonana ex Syrinam.
- *1096. A. Amer. Lauri folio è latitudine in longiorem mucronem ad pediculum exporrecto.
- *1097. A. Amer. Lauri folio longiore ac acutiore ad unum latus ad pediculum magis extenso.
- *1098. A. Amer. Laurifolia, folio in acutiorem mucronem producto.
- *1099. A. Amer. Laurifolia, folio ad pediculum uncialem in acumen producto.
- *1100. A. Amer. Laurifolia venis a nervo medio pene quadratim exeuntibus.
- *1101. A. Amer. Lauri folio obtusiore.
- *1102. A. baccifera Abutili foliis lanugine ferruginea villosis, Pl. Mantiss. 19. Punnanganarre, Malabar. Peragu, Hort. Mal. Part. 2, fig. 25. *Sent from Fort St. George by Dr. Edw. Bulkley, 1705, without a name.* **Gmelina arborea** L.
- *1103. A. Indica ovali folio flosculis plurimis in spicis summo ramulo dispositis acinifera. Pluk. Mantiss. p. 22, 1, Tab. 339. 1. Cit. **Antidesma alexiteria** L., 1027.
- *1104. A. odorifera Syrinamensis, foliis pene ovalibus ad pediculum cordatum sinum patientibus. Walilaag.
- *1105. A. Syrinamensis Laurifolia, foliis glabris latis ex ovali forma acuminatis. *Arbor Laurifolia folio pedali, dicta Tamepay boom. ex Surinama.*
- *1106. A. Laurocerasi forma, Ambrosia dicta ex Syrinama.
1107. A. Laurifolia fructibus Carpattam referentibus. Hermanni Bokaral. Carpatta vulgo.
- *1108. A. Margaratifera.
- *1109. A. Lauri folio pedali, pediculo brevissimo.
- *1110. A. Lauri folio acuto pediculo unciali, ex Syrinama.
- *1111. A. odorifera Lauri folio obtusiore, ex Syrinama.
- *1112. A. Syrinamensis, folio Mali-citri.
- *1113. A. Syrinamensis Lauri folio splendente brevior.

- *1114. A. Jamaicensis Lauri foliis prona parte cupri expoliti coloris fulgentibus, et quasi sandyce tinctis. *Chrysodendros* Amer., Pluk. Tab. 263, 2. *Starr Apple*, *Cainito Plum*. *Chrysophyllum* Linn. *Chrysophyllum* Cainito L.
- *1115. A. Salawacc. Lauri folio fructu filo longo terminante, floribus ex utriculo quasi prodeuntibus. Mus. Pet. 610. Act. Phil. No. 276. p. 1021. *Petiver*. *Bassia* sp.
- *1116. A. Portoricensis spinosa lactescens foliis Polypodii, H. Beaumont.
- *1117. A. tristis v. *Jasminum*, arb. &c. *Sent from Fort St. George by Dr. Edw. Bulkley. Nego mully*. *Rhinacanthus communis* Nees.
- *1118. A. Zeylanica Cotini foliis, subtus lanugine villosis, floribus albis cuculi modo lacinatis. Pluk. Alm. Phyt. Tab. 241, 1. Cit. *Chionanthus zeylonica* L., 8; but the specimen is *C. virginica* L.
1119. A. Zeylanica vicem *Croci* supplens. An *Oenopliae* species, Herman. *Welikaha* ab Incolis dicta.
1120. A. Barbadiensis Cisti foliis ferrugineis hirsutis, circa caulem ad intervalla confertis, Pluk. Tab. 144.
1121. *Arbuscula Americana* baccifera flosculis comosis et foliorum *Tremae Brasiliensium* aemulis, Pluk. Mantiss. p. 22, Tab. 339. An *Vitis* *Idaea* ex *Terra Mariana* ?
- *1122. A. Jamaicensis quinque-nervis minutissime dentatis foliis et caule pubescentibus, flosculis ex sinu foliorum gemellis, Pluk. Alm. p. 40, Tab. 264, 1. *Melastoma hirta* L., 390 = *Clidemia hirta* D. Don.
1123. A. Syrinamensis et Antegoana foliis venosis superna parte glabris, subtus densa lanugine *Veluti instar velatis*, Pluk. Alm. 40, Tab. 250, 1. *Pilboom* et *Piolboom*.
1124. A. trifolia Zeylanica *Piperis* flore et spica.
- *1125. A. corymbosa Indiae Orient. folio firme ovali figura, Pluk. Mantiss. p. 22, et *Apocynum umbellatum* albam latiore folio tetraphyllum. *Ejusd.* p. 16, Tab. 335. *Narwooly marram*. ? *Cordia* sp.
- *1126. A. Jamaicensis pentaneuros foliis crassis leviter dentatis, superne facie ferruginea, prona candicante, et molli lanugine villosis, Pluk. Tab. 264, 3, Alm. p. 40. *Clidemia* sp.
- *1127. A. Jamaicensis *Malabathri* angustioribus foliis leviter crenatis, superna facie per siccitatem nigris, subtus autem argenteis, et prae laevore splendentibus, Pluk. Alm. p. 40, Tab. 265, 1.
- *1128. A. *Vetagadu Malabaricae* similis è *Madraspatan*, Pluk. Tab. 143, 3.
1129. *Arengée*. 1130. *Asho maram*.
1131. *Ashoda maram cum fructu*. D. Du Bois.

- *1132. Atta Chury.
- *1133. Attee maram. *Anona squamosa* L. 1134. Aulo polly.
1135. Balsamum Capoiba, vulgo Capavae. Io. Polus Lucaan. v. Terebinthus. ? *Copaifera officinalis* L., ed. ii. 557.
1136. Belly ake weed. A plant with a very odd pith, smells like Ginger. Barbadoes. *Jatropha gossypifolia* L.
1137. Belamadagan, Hort. Mal.
1138. An Berberidis species. H. R. H.
1139. Spanish Balsam tree. St. Christophers.
1140. Arbor aromatica. The great Balsame, Chelsey.
- *1141. Betle. *Antidesma Ghesaembilla* Gaertn.
- *1142. Birch tree. Barbadoes. 91. ? *Bursera* sp.
1143. Biti Malabaricae accedens. Arbor Madraspatana flo. peculiari, Pluk. Phyt. T. 18, f. 1. Siliquosus Madrasp. Frutex Glycyrrhizae foliis alternis, Mus. Pet. n. 476, v. Capparis fabago.
1144. Bully wee. 1145. Another Birch tree, Barbadoes.
1146. Another Birch tree, Barbadoes.
- *1147. Bombu, Hermanni. *Symplocos spicata* Roxb.
- *1148. Broad leafed Bark. St. Christophers. ? *Terminalia latifolia* Sw.
- *1149. Buccana marram. 1150. Buzzee tree, from Africa.
1151. Callamettee, Planta Madraspatana floribus labiatis ad radicem conglomeratis, Mus. Pet. 633.
- *1152. Cant. Vitelly & Caut. Vitullee. Sent from Fort St. George by Dr. Edw. Bulkley, 1701. ? *Smilax Wightii* A. DC.
- *1153. Carra nucheel. Sent from Fort St. George by Dr. Edicard Bulkley 1701.
1154. Carappa arbor, Hermanni. ? *Carapa moluccensis* Lam.
- *1155. Carpobalsamum.
1156. An Caryophyllus arbor, ex Syrinama.
- *1157. Cassather or Cassava tree or bush, with a large leafe divided into 6 or 7 long parts . . . *Jatropha Manihot* L.
1158. Cassia berry bush, from Maryland.
1159. An Cat-ambulam, H. Mal. Tom. 1. Tab. 50. An Cambogium ?
1160. Capraria Curassavica, Cabritta vulgo Lusit., Par. Bat. prod. p. 110.
1161. Canna fist. St. Christophers. 1162. Cassapia, G. L.
- *1163. Cassavar ex Surinama.
1164. Cassena trees, 2 sorts. Darby.
- *1165. Cassia lignea Jamaicensis, Laureolae foliis subcinereis, cortice Piperis modo acri, Pluk. Alm. p. 89, Pluk. Tab. 81, 1. *Cinamon tree, Barbadoes* 91. *Laurus Winterana* L., 371 = *Canella alba* Murr.

Pluk. T. 162. 3 nor T. 201. f. 4. Vitis sp., teste N. E. Brown.

The second sheet is further labelled *Clematis Barbadiensis capreolis donata, Loti arboris folio.* Chelsey.

- *1202. Coumelan Chedde. *1204. Cuddy amee.
 *1205. Cullary cheddy. *1206. Cuttaingee marram.
 1207. Cuttan cheddy. *1208. Davadam.
 *1209. A sort of Dogwood from Barbadoes. 91.
 *1210. Ea Sheddy. Dillenius has written *Ea Chedde nomine Acaciae species est in Mantissa p. 1 sed diversa ab hac.*
 1211. Ebony. 1212. Ellawooe, & Catagoe. Ellaven.
 1213. Elanda maram. *1214. Elder leaf, St. Christophers.
 *1215. Ellacooty maram. *Pu-Walli, Hort. Malab. vii, Tab. 42, similis arbor Maderaspatana, Ella-cooty-maram Malabarorum, Pluk. Alm. p. 179.*
 1216. Ettee Maram. 1217. Elly pandooe.
 *1218. Fiddle wood. Barbadoes. *Citharexylum* &c. *Pluk. Alm. p. 108, Tab. 162, f. 1. Citharexylum cinereum L.*
 *1219. Filum arboreum tenuissimum et candidissimum, J. B. T. 1, p. 348. An Fili tenuiss. glomus ex arboris cortice, Clus. Exot. p. 6.
 *1220. Fire sprig tree of Barbadoes, *is a great tree, with large green thin leaves, broader then Laurell, with fruit or Berryes on dry ground. Quararibea turbinata Poir.*
 1221. Largest Fire sprig. 1222. Lesser Fire sprig.
 *1223. Frutex Africanus euonymi folio brevior, H. R. H. 294.
 1224. Fruticulus capsularis hexapetalos Cassiae Poet., foliis brevioribus et angustis, Pluk. Tab. 183, f. 6. An Tjeru-Kirganeli, H. Mal. part 20.
 *1225. Frutex trifolius sarmentosus monocarpus, Radaelijawael Hermann. *Zeyl.* Hermann's specimen. *Connarus monocarpus L.*
 1226. Garlick Pear Tree. Barbadoes. A name for *Crataeva gynandra L.*
 1227. Globe tree. J. Darby.
 1228. Grape tree from St. Christophers, v. *Uvifera arbor.* ? *Coccoloba uvifera L.*
 1229. Grape tree from Barbadoes. An *Scoretea arbor Amer., Pl. T. 222, 8?* ? *Coccoloba sp.*
 1230. Gheriaethigas. 1231. Guavar maram. 1232. Gum boom.
 1233. Hassagay tree. *Arbor Africana ex cujus ligno Hottentotti tela jaculatoria Hassagay dicta conficiunt, Hermann. An Isagar Nux Vom. The name is referred to Curtisia faginea Ait.*

- *1234. *Helicteres arbor Indiae Orientalis siliqua varicosa et funiculi in modum contortuplicata*, Pluk. Alm. p. 181, Tab. 245. 2. *Vellum berry Cheddy*. *Helicteres Isora* L.
1235. Hercules tree. 1236. Black Honey, a shrublike tree. Barbadoes.
1237. Wild Honey tree. Barbadoes (see p. 317).
1238. White Hop tree. Barbadoes. A sort of Wyth.
1239. Wild Hopps. Barbadoes. ? *Hyptis capitata* Jacq.
1240. Iaca Madraspatana fructu Sparganii, Pet. Rutrasa caudamba.
- *1241. Iddumbyly marram. *1242. Illapy.
1243. Inga, Pis. ? Flarenboom.
- *1244. Ivana maram. *Ichnocarpus frutescens* R. Br.
1245. Ipecacuanha, vid. *Chamaeperidlymenum*.
1246. Jack in a box. A large strait tree. Barbadoes. 91. ? *Hernandia sonora* L.
1247. Jampaba, Pis. 1248. Jasmine tree.
- *1249. Kaukin Indorum, Breynii Cent. 1. Elingi, Hort. Mal. Mungunumal, Hermannii. *Mimusops Elengi* L.
1250. Killepy marram.
- *1251. Kitchelly, an Limo ? *From Fort St. George*. *Triphasia trifoliata* DC. = *T. Aurantiola* Lour.
1252. Kohockmal, Herman.
- *1253. Lablolly, Barbadoes, *is a great tree bearing large gross leaves about a foot long allmost of an ovall forme drawne to points, and bears berryes, grows on dry ground*. *Cordia macrophylla* L.
1254. Lauri facie Curassavica, è cujus radice atramentum conficiunt Americani. Par. Bat. Prod.
1255. Laurifolia Javanica splendens ? H. R. H. 68.
- *1256. Laurifolia fructu parvo typhoide non papposo gemello siliquas aemulante ; Arbuscula è Madraspatan, Pluk. Alm. p. 211, Tab. 96. *Ichnocarpus frutescens* R. Br.
- *1257. Leathercoat tree, Barbadoes 91. *An Scortea arbor Amer. amplissimis foliis aversa parte nervis extantibus hirsutie ferruginea refertis, Pl. Tab. 222. 8. ? Alm. 38*. *Coccoloba pubescens* Jacq. = *C. grandifolia* Jacq.
1258. Light Rowiem. A Barbadoes tree.
- *1259. Lignum Corallinum. H. Beaumont. Leaves of a Myrtaceous plant, fruit of a Leguminous plant, teste N. E. Brown.
1260. Lignum ferreum Curassavicum.
1261. Mammee supporta (Sapota). Naurovela Chedde. ? *Lucuma mammosa* Gaertn.

- *1262. Manghala arbor Curassavica foliis saliginis, Par. Bat. Prod. Frutici innominati instar salicis pumilae accedens, 11 Marcgrav. H. R. H. 147.
1263. Mangraue grape. ? *Coccoloba uvifera* L.
1264. Mangroue.
- *1265. Mannullee. *Holarrhena antidysenterica* Wall.
- *1266. Medicin boom ex Surinama.
- *1267. Mitta gamba. *From Dr. Richardson.*
1268. Modera canni, H. Mal. Tom. 2, f. 19.
- *1269. Mulepo chedde. *1270. Mulla Rundy.
- *1271. Mun Jack leaf. St. Christophers. *Cordia macrophylla* L.
- *1272. Mutty maram.
- *1273. Nago-mully. *Sent from Fort St. George by Dr. Edw. Bulkley 1702. Rhinacanthus communis* Nees.
- *1274. Nam Cassa. 1275. Nandy aoy totckoree.
1276. Nanjaroopa. Baccif. *1277. Narree naga marram.
- *1278. Narri Coraccoi. 1279. Narrum gongee.
- *1280. Nary Corundoo. *Atalantia monophylla* DC.
1281. Naurovela Chedde. 1282. Nechetty.
- *1283. Neen neringy. *1284. Neerady maram. *Pluk. T. 423, f. 1.*
- *1285. Neer cheddy. *1286. Neer roattee. *Ficus* sp.
- *1287. Nelingy maram.
- *1288. Nux Syrinamensis trinervis folio amplo mucronato. Noot Eunilcad.
- *1289. Nilly maram. 1290. Juis Nut or Jews Nut. Barbados.
- *1291. Oepata, Hort. Mal. T. 4, f. 45? *Ex Ind. Orient. Cit. Avicennia officinalis* L., 110; but the specimen is *Pterocarpus Marsupium* Roxb.
1292. Paco. The nut eaten wth Betle. An Palma? ? *Areca Catechu* L.
1293. Palamaletta ex Surinam. 1294. Palan chedde.
- *1295. Panel Madraspatana folio angustissimo mucronato; An Narum-panel, H. M. Vol. 2, Tab. 10. Raii Hist. p. 1629. Mus. Pet. n. 666. *From India by the names of Adjou maram & Asho maram.* A second sheet *Sent from Fort St George by Dr Edward Bulkley 1701 Adjoe.* Both are *Polyalthia longifolia* B. & H.
1296. Palisada boom.
- *1297. Paputty. *Argyreia populifolia* Choisy.
1298. Parculla. Peaculla and Paygellay Chedde. Fort St. George.
1299. Pauregera melle chedde. Dr. Plucknet's Chrysanthemum. *Orellanae folio &c.*, mistaken by an imperfect specimen. An Arbor tristis?

- *1300. Peamushattee & Paputty. *Sent from Fort St. George in the East Indies.* **Argyrea populifolia** Choisy.
- *1301. Pela Hermanni.
1302. A Plant pull'd from a Rock. A Bacciferous Shrub. Barbadoes.
1303. Pelandy cheddy. *1304. Pelan [*Peran*] marram.
- *1305. Perincorung. 1306. Peringotan.
- *1307. Pinny maram. **Calophyllum Inophyllum** L.
- *1308. Pogudda Chad. **Mimusops Elengi** L.
- *1309. Poongally marram. *Sent from Fort St. George by Dr. Edw. Bulkley, 1700.*
1310. Ponanga chedde. *1311. Ponanga nary marram.
1312. Praya maram.
1313. Priapus vegetabilis, Bandura Zinghalensium, Brcyn. Prod. **Nepenthes distillatoria** L.
- *1314. Pungo marram. **Pongamia glabra** Vent.
1315. Pyecrust. A large tree as big as an Apple tree. Barbadoes.
- *1316. Wild Rosmary of Barbadoes. ? **Croton Cascarilla** Benn.
- *1317. Sage Tree. Portugall.
1318. Wild Sage of 2 sorts. Barbadoes. ? **Lantana** spp.
1319. Sally tree, a great one. Barbadoes.
1320. Black Sally Tree, Barbadoes.
1321. Black Sanders or Sandall, Mus. Pet. 623.
1322. Saponaria arbor?, Chelsey.
- *1323. Seringowmilam. 1324. Sewin. 1325. Sheranlan Chedde.
1326. Sideroxylum, lignum ferrea duritie, folio subrotundo, P. B. P., H. R. H. 51, Pluk. Alm. 346.
- *1327. Snowdrop-tree. Darby. **Halesia tetraptera** L. [*Mohrodendron Carolinum* (L.) Britton.]
- *1328. Sona mully. *Sent from Bombay by my bro. Dan^l du Bois, 1702.*
- *1329. Stoper Berry.
1330. Spirit weed. Us'd to dress horses in Barbadoes. ? **Ruellia tuberosa** L.
- *1331. Sweet tuft, Br. Pr. 2. *1332. Tabaccoota maram.
1333. Taccamahacca foliis ternis crenatis, H. Beaumont.
1334. Tacca cotan maram.
- *1335. Tannego marram. **Vitis** sp. 1336. Tavessy marram.
- *1337. Taeta maram. ? **Strychnos potatorum** L. f.
1338. Tarenny. 1339. Tettama Coutta.
1340. Tekka Indorum. Arbor Laurifolia.
1341. Tepel berry, Barbadiens.

1342. *Tetragonocarpos Africana fruticans*, foliis longis et angustis, H. Amst. part 2, 205. ? *Tetragonia fruticosa* L.
- *1343. *Trifolia arbor Zeylanica*, spicato flore albo, seminibus siccis. Kobbenna, Hermannii. Woodgo Meram. *Allophylus Cobbe* Blume.
1344. Thruta Chucca. 1345. Tilla marram.
1346. Toletty marram. 1347. Tolutee.
1348. Tumboo maram. 1349. Tuta cheddy.
1350. Varrool Pelandy. 1351. Vanea, Hermannii.
1352. Vellay alengy. 1353. Vella coraccocy.
1354. Vellay Tillapa. 1355. Velly curca.
1356. Vennango maram. 1357. Verra pillandee.
1358. Unangoree.
1359. *Uvifera arbor Occidentalis folio rotundo*, Obe vulgo, P. B. Prod. *Uvifera arbor Tabaccensis*, De Laet., Raii Hist. ? ? *Coccoloba* sp.
1360. *Uvifera arbor Orientalis folio longo*, Champacan, H. Mal. *Arbor Laurifolia Chinensis*, Raii H. Tgjumpaca Indorum sive *Arbor Uvifera Indica foliis Lauri Americanae*, Br. Prod. 2. Cit. *Michelia Champaca* L., 536.
1361. *Uvifera* ? Grape Tree. From the West Indies with a large leaf almost like Rubarb. ? *Coccoloba* sp. L. (see Nos. 1228 and 1263).
1362. *Uvifera maritima Barbadiensis*. ? *Coccoloba* sp.
1363. Wandy marram.
1364. Wee, white water Marjonum, Commelin.
1365. Wellay ingee. 1366. Wemboo marram.
1367. Red Willow, Barbadoes.
1368. Beef wood. A name for *Casuarina* sp.
1369. Beef wood tree, Barbadoes. *Ardisia coriacea* Sw.
1370. Bitter wood, Barbadoes.
1371. Black wood tree, Barbadoes. 1372. Darwood.
1373. Black Dog Wood. A name for *Piscidia Erythrina* L.
1374. Fiddle wood tree, Barbadoes, Hampt. C. ? *Citharexylum* (see No. 1218).
1375. Another Fiddle wood, Chelsey.
1376. Timber Fiddle wood, Barbadoes.
- *1377. Red-wood tree, Barbadoes. 91. *Arbor Amer. baccif. Myrtifol. viminalibus virgis s. flagellifera major*, Pluk. Tab. 139, 6, *Alm. p. 46*. ? *Erythroxyllum* sp.
1378. Prickly red-wood, Barbadoes. An Ibara pitanga s. lign. rubrum, Pis. ?
1379. Bastard sweet-wood, Barbadoes.

1380. Another Bastard sweet-wood, Barbadoes.
 1381. White wood tree, Barbadoes. ? *Tecoma leucoxydon* Mart.
 1382. White berry Wyth, Barbadoes. 1383. Ironwood.
 1384. Milkwood tree. *Pseudomedia spuria* Griseb.
 1385. Small rod wood. 1386. Spirit wood. 1387. Sweet wood tree.
 1388. White Rod Wood. *Calyptanthus Chytraculia* Sw.
 1389. Yellow-wood of Bermudas.
 1390. Wootta cheddy. 1391. Wootall curry.
 1392. Wootan Cody, and Woonam Curry.
 1393. Woodga-maram. *Trifolia arbor Zeylanica, spicato flore albo, seminibus siccis.*

Alphabetical List of Trees and Shrubs represented by specimens in the Herbarium, but not mentioned by Bobart in his MS.

- Acacia Amer. Rob. ex Hort. D. Ashmole. A^o. 1684. *Robinia Pseud-acacia* L.
 An Acacia ex Ins. D. Christoph. ? *Neptunia plena* Benth.
 Acacia non spinos. Ind. Orient. Coluteae foliis, floribus stamineis amplis, siliqua crustacea gemella Placentae in modum colorata, Pl. Mantiss., Tab. 331, 1. Caut-wally maram. Phytogr. t. 331, 1. *Albizzia Lebbek* Benth.
 Acer Benghalense Laurinis foliis, fructu tergemino totidem membranulis extantibus alato, Pluk. Tab. 3, 1. Sent from Fort St George by Dr Edw. Bulkley 1703. *Hiptage Madablota* Gaertn.
 A. tenuissimis et acutis foliis. ? *Acer pictum* Thunb.
 A. Virginianum floescens, fol. subtus cinereis. A. saccharinum L. = *A. dasycarpum* Ehrh.
 Adhatoda affinis Champacciae Chamaedryos, folio subtus villosa, Mus. Petiv. n. 339. Sent from Fort St George by Dr Edwd. Bulkley 1703. Pea Ellu & Nella Malle. *Sesamum prostratum* Retz.
 A. verticillata crateogoni fol. Pet. Caony poo & Cullany poo. Sent from Fort St George by Dr Edw. Bulkley 1704. Two sheets. ? *Hygrophila salicifolia* Nees = *H. angustifolia* R. Br.
 Adiantum fruticosum Coriandri folio Jamaicense, pediculis foliorum politiore nitore nigricantibus, D. Pluk. Alm. 10, Tab. 254. *Pso-phocarpus tetragonolobus* DC. teste N. E. Brown.
 Alcanna Arabum. From St Cruis in Barbary. Given me by Mr John Aubrey a Gentleman of Wiltshire. The decoction whereof is excellent for tinging y^e hair to a deep browne or almost black colour, used wth Alkohol, a minerall, and against the Megrin & other diseases & pains of y^e head. *Lawsonia inermis* L. = *L. alba* Lam.

- Alni effigie lanato folio minor, C. B. Diospyros, J. B. Ad Balsamum Alpestre referri debet. Two sheets. *Amelanchier vulgaris* Moench.
- Alnus nigra baccifera, J. B. Tom. 1. 560. Frangula sive Alnus Baccifera, Park. *Rhamnus Frangula* L.
- Amygdalo similis Guatimalensis, C. B. Cacao Americae sive Avellana Mexicana, J. B. Fol. Cacao, Ger. *Theobroma Cacao* L.
- Arbor D. Thomae minor. Arcanar marram. Mandaru Madraspatense fol. firmioribus parvis bisulcis glabris splendentibus ad surculum densius stipatis Pl. T. 44, 6. *Bauhinia malabarica* Roxb.
- Arbor baccif. Orient. Lauri foliis crassis et venosis, per siccitatem atro nitentibus quasi vernice tinctis polypyrene, Pl. T. 140, 2. An Perin panel, H. Mal. Part 5. Adrachne species. ? *Arbutus Andrachne* L.
- Arbor Canellifera Javanica cujus cortex forte Macer Javanis, Breyn. in Fasc. inedit. ? *Cinnamomum Sintok* Blume.
- Arbor Indica longis mucronatis integris foliis, fructu albicante, Nucis Palmae Indel dictae aemulo; Asshogamaram Malabarorum, Pluk. Mant. P. 21; vid. S. Brown pl. 114. *Polyalthia longifolia* Benth. & Hook. f.
- Arbor salicis fol. argenteis conophora. *Argyrodendron Africanum*. Silver tree or Atlas tree. *Leucadendron argenteum* R. Br.
- Arbuscula Amer. baccif. flosculis comosis et foliorum Tremae Brasiliensium aemulis. An Vitis Idaea ex Terra Mariana Pl. Mantiss. p. 22, Tab. 339. *Vaccinium stamineum* L. teste N. E. Brown.
- A. baccifera, Guajavae foliis Maderaspatana: Nanga-roopa, Pluk. Am. p. 30. *Bridelia retusa* Spreng.
- A. baccifera Maderaspatana Rhoidis folio triphylla & tetraphylla, floribus parvis racemosis: Woodgamarram Malabarorum, Pluk. Am. p. 31. *Bischofia javanica* Blume.
- An Arbuscula Barbadiens. amplexicaulis triphylla, Pluk. Tab. 145, 4?. Sent from Fort St George by Dr Edw^d Bulkley 1703. Mile addy & Mila Iarree Ela. Agni Casti Sp. H. M. *Vitex alata* Willd.
- A. Bisnagarica Aceris folio parva aculeata, foliis è regione binis, D. L. Pl. T. 14, 4. A second sheet has in addition 'A. Zeylanica Aceris folio baccifera foliis è directo magis angulosis', D. L. Pl. T. 14, pl. 3. Both are *Gmelina asiatica* L.
- A. è Madrasp. fol. Aceris alterna vice lucide virent., D. L. Pl. T. 14, 2. From Fort St George. Sent at divers times by the names of Nella Comul, Nella Coomool, Nella Comra, & Coumelan Chedde. *G. asiatica* L.
- A. Maderaspatana, oblongis & mucronatis foliis singularibus, floribus tetrapetalis et purpureo-flavicantibus, ad ortum foliorum prodeuntibus; Coory tugree Malabaror., Pluk. Amalth. p. 30. *Diospyros* sp.

- A. M. *Ulmifolia*. Palam chedde Malabarorum, Pluk. Am. p. 30, & p. 211, pl. 6. ? *Streblus asper* Lour.
- A. *mariana* Ligustri fol. ternis, &c. Pl. Mantiss. Tab. 239. *Chamaerhododendron* Marianus Ligustri foliis minoribus. *Kalmia angustifolia* L.
- A. *Zeylanica* *Aceris* folio baccifera foliis è directo magis angulosis, Pl. Tab. 14, 3. Cuddy Commoole. *Gmelina asiatica* L.
- Arkenarmora. *Bauhinia diphylla* Buch.-Ham.
- Azedarach. Two sheets 'Mully Verumbo' and 'e Lusitania' are *Melia Azedarach* L. A third sheet 'Maryland' is *Rhus Vernix* L.
- Baccifera Madraspatana Castaneae folio non crenato, Mus. Pet. 618. *Bridelia retusa* Spreng.
- Berberis latissimo folio canadensis, H. R. Par. I. R. H. 614. *Berberis canadensis* Mill.
- Breyniana Capensis capitulis albis plumosis Pet. T. 5. *Eriocephalus Bruniades Ericaeformis Monomotapensis* capit. glohosum instar interius cavis et densa lanugine tectis, Pl. Mantiss. p. 69, 8, Tab. 347. From y^e Cape of Good hope. *Aspalathus divaricata* Thunb. teste N. E. Brown.
- Calabash Tree, the greater, which grows about the bigness of our Apple trees, the leaves about 6 inches long from a narrow bottom or onset, extending themselves to about 2 inches broad, the broadest part being within an inch and halfe of the top of the leafe. The flowers are somewhat resembling a Tulip. The fruit is round growing out of the body and limbs of the tree, wth an hard shell full of pulp, and seeds of heart fashion, w^{ch} containing 6 or 8 quarts serves for dishes, bowles and other such utensells. *Crescentia Cujete* L.
- Cedrus Bermudiana*, Mus. nost. 779. e Bermuda. *Juniperus bermudiana* L.
- Chamaecistus* Cap. B. S., Roris solis folio, Mus. Pet. 161. *Drosophyllum lusitanicum* Link.
- C. folio pilosellae minoris Fuchsii, J. B. This plant flowers earlier than the common *Chamaecistus* by a month, the flowers much smaller, & of a pale straw colour. I found it plentyfully this year July 3^d 1713 growing upon the rocky precipice called Betram-Beuke and alsoe amongst the loose stones about 40 paces north of the fence wall about two miles west of Kendale in Westmerland the only place I ever found it in. Note by Dr Richardson. *Helianthemum canum* Baumg.
- C. s. *Helianthemum Alpinum* folio Pilosellae minoris Fuchsii, J. B. 2, 118. *H. canum* Baumg.
- Chamaemorus Anglica* foliis Rubus, C. B. P. *Rubus Chamaemorus* L.
- Chamelaea Africana* Lauri serratis foliis. *Noltea africana* Reichb.

- An Champneam, H. Mal. T. 1. Champne, C. B. P. ex Ind. Orientali.
Eugenia Jambos L.
- Cherro navell. Phytogr. tab. 140, 2. Arbor Orient. baccif. Laurifol. crassis et venosis per siccitatem atronitentibus quasi vernice tinctis, polypyrene. *Webera corymbosa* Willd. = **Tarenna zeylanica** Gaertn.
- Cherry maram. Phytogr. t. 122, f. 2? **Albizia odoratissima** Benth.
- Cherry Munday, D. Pl. T. 44, 8. From Fort St George. **Bauhinia tomentosa** L.
- Choona attee. **Acacia pennata** Willd.
- Cistus Alpinus humilis, foliis Thymi minutissimis, Pluk. Tab. 84, 5. **Helianthemum thymifolium** Pers.
- C. annuus erectus, H. R. Bles. **H. ledifolium** Mill. var. **macrocarpum** Willk.
- C. flore pallido punicante macula insignito, C. B. P. 465. Cistus annuus 2, Clusio. Cistus annuus flore maculata Col. 2, 77. A second sheet with the addition of 'Tuberaria minor Myconi Lugd.' Both are **H. guttatum** Mill.
- C. foem. Portulacae marinae folio angustiore mucronato, 6, C. B. P. 465. Halimi fol. 2, Clus. Hist. 71. D. Tournef. è Lusit. **H. halimifolium** Pers.
- C. folio Plantaginis, C. B. Tuberaria major nostras Myconi, J. B. Helianth. Plantaginis, folio. **H. Tuberaria** Mill.
- C. folio Spicae, C. B. 465. Cistus folio Lavendulae, Clus. Hist. 72. **H. lavandulaefolium** Mill.
- C. Halimi folio 1, Clus. 71. Cist. Halimi fol. obtusiore, C. B. 465. Also a sheet from Tournefort labelled 'e Lusitania'. **H. halimifolium** Pers.
- C. Ledon 8, Clus. H. Patt. Cistus humilis flo. luteo, Clus. **H. Fu-
mana** Mill.
- C. sempervirens Laurifolia floribus eleganter bullatis Virginianus, Pl. Tab. 161. Chamaerhododendros. Cit. *Kalmia angustifolia* L. 391, but the specimens are **K. latifolia** L.
- Coccifera Buxi fol. oblongis & subrotundis, fr. cusp. &c., Pet. Mus. 632. An Arbor canellifera sylvest. Japonica, folio minimo, Breyn.? From St George. Irrumbally. **Diospyros microphylla** Bedd.
- Convolvulo similis villosa, fol. crassis subrotundis. è Madraspatan. Pl. Tab. 25, 4. Narundaly Cuddy. **Ipomoea coccinea** L.
- Cornus mas odorata, fol. trifido margine plano, sassafras dicta, Pl. Tab. 222, 6. Arbor ex Florida ficulneo fol., C. B. P. **Sassafras officinale** Nees & Eberm.
- Corylus vulgaris. **Corylus Avellana** L.

- Crista Pavonis Breynei. Flower fenes, grows 8 or 10 f. high bearing leaves like sene but larger, the flowers almost like Indian Cress, with long stamina. The seed cods are long flat. Pride of Barbadoes. *Caesalpinia pulcherrima* Sw.
- Crotalaria Asiatica foliis Lupin. flo. aureo. Genista Malabarica pentaphylloides flo. amplo aureo flavescente, siliquis bullatis, Commelin. H. Mal. Tom. 9, p. 51. ? *Crotalaria quinquefolia* L.
- C. Asiatica fol. singulari cordiformi floribus luteis, H. Leyd. Bat. 201. Tandale cotti, H. Mal. Tom. 9, Tab. 25. *C. retusa* L.
A specimen attached to the same sheet is probably *C. paniculata* Willd.
- C. Asiatica fol. singulari verrucosa fl. coerul., H. L. B. 199. Peetandalecotti, H. Mal. Tom. 9, p. 53. *C. verrucosa* L.
- C. Asiat. humilior floribus luteis amplioribus. *C. laevigata* Lam.
- C. Barbadiensis Salviae foliis villosis trifoliatis flore aureo. *Cajanus indicus* Spreng.
- C. Elatines fol. Cut by Mr Petiver. From Fort St George by the names of Nir woodavy & Nella pedica. Two specimens on the same sheet. *C. biflora* L. and *Heylandia latebrosa* DC.
- C. Indica Orient. Salicis pumila angustioribus sericeis foliis, siliqua inflata brevi, Ellypundoe Malabarorum, Pluk. Am. p. 67, Tab. 386, fig. 7. *Crotalaria prostrata* Rottl.
- C. Malabarica sylvestris, foliis singularibus majoribus, floribus luteis, H. Mal. Tom. 9, Tab. 26. Genista Malabarica fol. singulari oblongo, flore flavo dilutiore, siliquis bullatis, Commelin p. 47. ? *C. fulva* Roxb.
- Curry Vel. *Acacia caesia* Wight & Arn.
- Dictamno forte affinis Indica arboresc. Lauri Amer. foliis, s. Ecboium Zeylan. fol. laurinis, Br. pr. 2, 41. Adhatode Zeylonens., Mus. Zeyl. *Adhatoda Vasica* Nees.
- Doronicis affinis Planta Mariana Solidaginis saracenicæ foliis, è regione binis, amplissimo melino flore, octopetalo, Pl. Mantiss. T. 348, 3. *Chelone glabra* L. teste N. E. Brown.
- Dulcamara flore albo, C. B. *Solanum Dulcamara* L. var. album.
- Dulcamara marina. *S. Dulcamara* L. var. marinum Bab.
- Ebenus Creticus Ponae de mont. Baldo, Prosp. Alp. de Exot. Cytisus incanus Creticus, C. B. P. Barba Jovis Lagopoides Cretica frutescens incana flo. spicato purpureo amplo, Brey. Prod., El. Bot. 651. *Ebenus cretica* L.
- Elatines folio pilosissima papilionaceo flore Madraspatana D. Pl. Tab. 86, 4. v. Pl. T. 393, 1. Euphrasia. From ye Coast of Cormandel. Mr. N. E. Brown reports 'a South African plant, certainly not from Coromandel'. *Priestleya sericea* DC.
- Eleagnus major Virginiensis, folia sunt majora profundius crenata et magis acuminata, in caeteris vulgari similis est. D. Charleton. *Myrica xalapensis* H. B. & K.

Epidendron Indiae Orientalis, floribus et alis in spicam prodeuntibus: Cheddemeelchedde Malabarorum, Pluk. Mant. 68; an Cara-Kundel, H. Mal. 6, Tab. 33. Cherry mel cheddy. Viscum. Sent from Fort S^t George by D^r Edw. Bulkley 1703. Two sheets. *Loranthus longiflorus* Desr. var. *falcata* Kurz.

Erica Afric. flosc. subhirsut. secundum ramulos dispositis, I. R. H. ?
E. Cerinthoides coccinea Hermanni. *Erica mammosa* L. teste N. E. Brown.

An *Erica* Afric. fol. perexiguus glabris, floribus in summis ramulis velut in umbella confertis, Pluk. Alm. 136, Tab. 279, 4. *Crassula scabrella* Haw. teste N. E. Brown.

Erica humilis Rorismarini foliis, Unedonis flore, capsula Cistoide, Pluk. Phyt. Tab. 175, 1. *Ledum palustre nostras* Arbuti flore R. Synops. 142. Rosmarin. sylvest. minus nostras, P. *Andromeda Polifolia* L.

Erica major Scoparia fol. deciduis, C. B. *E. arborescens* floribus luteolis vel herbaceis minimis J. B. Coris folio 4, Clus. *Erica scoparia* L.

Erica Minor mont. flo. albo. Calluna vulgaris Hull, *fl. albo.*

Ficus Ind. Orient. latiori folio Maderaspatana, fructu rotundo calyculato sessili: Alla maram Malabarorum, Pluk. Am. p. 87. *Ficus benghalensis* L.

Gale Capensis Ilicis coccigeræ folio. Mr. James Cunninghame first brought me this in fruit, which Mr. Staremberg at the Cape since tells me smells very pleasantly whilst growing and is much coveted by the Birds. It grows on the Sand hills about the Cape of Good Hope. Mus. nost. 774. Petiver. *Myrica cordifolia* L.

Gale quæ Myrto Brabanticae similis Caroliniensis humilior, fol. latioribus & magis serratis, Cat. Nat. Hist. 1, p. 13. *Myrica cerifera* L.

Genist. alt. trifoliata Capensis. From the Cape of Good Hope. *Psoralea aculeata* L. teste N. E. Brown.

Genista, an *Tinctoriae* species? D. Evelyn. J. B. ? *Genista tinctoria* L.

Genista spinosa major brevibus aculeis, C. B. *Ulex minor* Roth.

Genistæ species, Capitæ B. Spei. Aspalathus ferruginea Banks, teste N. E. Brown.

An *Genistæ* 2 species? ex Hort. Episc. Lond. 1709. *Indigofera* sp.

Guajava is a tree about the bigness of our Apple tree, 9 or 10 feet high, the fruit like medlars good to eat. On dry ground. *Guava fructu albo*. *Guayava Indica fructu Mali facie*. J. B. T. 1. *Aracami*, Pis. *Guavar Maram. Mulacka Pela*, H. M. p. 3. Three sheets. *Psidium Guajava* L.

Indigo offic. Dale 324. S. B. 1, 57 & 5, 205. *Indigofera tinctoria* L.

- Indigo sylvestris. ? *Indigofera trifoliata* L.
- Jasmini sp. Sent from Fort St George by my Sister Mary du Bois 1703. ? *Dicliptera cuneata* Nees.
- Jasminum pallido-coeruleum Persicum latifolium, Munting 227, fig. 57. *Syringa persica* L.
- Kanden Kara, Hort. Mal. 5, Tab. 36. Varietas cum foliis ad basim latioribus. Ex Ind. Orient. *Gmelina asiatica* L.
- Ledum alpinum foliis ferrea rubigine nigricantibus, C. B. Ledi Alpini genus alterum, Clus. *Rhododendron ferrugineum* L.
- Liquid-Ambari arbor &c., Pl. T. 42, 6. Alm. 224. *Styrax Aceris* fol. Belli. *Acer odorat.* Virgin., H. Leyd. App. *Liquidambar styraciflua* L.
- Lycium latiore folio, D. Tournefort e Lusit. An *Rhamnus Hispanicus* Buxi folio, Tourn. El. Bot. p. 593 ? *Phyllanthus* sp.
- Lycium Madrasp. Celastri folio, Pet. Mus. 431. *Lycium Pyracanthae* Foliis latioribus, Pluk. Alm. 231, Tab. 20Z, f. 5. Ex Ind. Orient. *Scutia* sp.
- An Lycium Bisnagaric. &c. ? 3, D. L. Pl. Tab. 97, 3. *Carissa spinarum* L.
- Malabathrum et folium Indum officinarum, J. B. Tamalapatrum sive Folium, C. B. Folium Indicum s. Malabathrum, Park. Arbor canellifera Malabathrum cortice ignobiliore, v. Breyn. pr. 2, p. 18. Tespaut ex Ind. Orient. ? *Cinnamomum iners* Reinw.
- Malus Cotonea sive Cydonia. The Quince tree. *Pyrus Cydonia* L.
- Mastick tree is a very great tree bearing leaves very like our common Bay tree soe curld on the edges, and berryes. *Laurus Americana* ossiculo duro. Two sheets. Mr. Gamble reports 'not *Sideroxylum Mastichodendron* Jacq.'
- Morus latissimo folio Virginiana. *Morus rubra* L.
- Myrtus Brabanticae similis Americana, foliorum laciniis Asplenii modo divisis, julifera simul & fructum ferens, Pluk. Alm. 250, Tab. 100, f. 6. Gale Mariana Asplenii folio, Pet. Mus. 773. Fern Tree. *Myrica asplenifolia* L.
- Nerium arboreum folio maximo obtusiore flore incarnato, D. Sloan. Cat. Jam. 154. Jasmine flower or Bush of Hughes. Red Jasmine, a shrubbe tree but beautifull flowers, . . . sweet like Oleander. Barbadoes. *Plumeria rubra* L.
- Nettle tree or shrub, the leafe is almost like ours but more finely indented on the edges with 5 ribbs running all along the back, its natur is said to be very peircing, and very pretty to behold. On dry or wet ground. *Pilea* sp.
- Nux Been Zeylanica siliqua triangula seminibus alatis, H. Leyd. app. 692. India Orient. Collect. Petiver. *Moringa pterygosperma* Gaertn.

- Oleander, Narrow leaved. Sent from Bombay by my bro. Danl. du Bois 1702, & Fort St George. A second sheet is labelled Pauk marram. **Nerium Oleander L.**
- Orleana, seu Orellana, seu Urucu, Marek., Pis., Par. Bat. prod. **Bixa Orellana L.**
- Osyris frutescens baccifera, C. B. P. Cassia Poetarum. H. Patt. **Osyris alba L.**
- Ovelly maram. ? **Acacia Suma Kurz.**
- Oxyacantha Virgin. humilior Pyracanthae foliis. **Crataegus Crugalli L.**
- Pavia, Boerh. Ind. Alt. P. 11, p. 260, cum ic. & descr. characteris. Arbor pentaphyllos Virginiana floribus spicatis monopetalis Mus. Corten. Raii Hist. ii, 1800. descr. foliorum tantum. Saamouna Pisonis, seu Siliquifera Brasiliensis arbor, digitatis foliis serratis, floribus Teucris purpureis, Pluk. Alm. 326, T. 56, f. 4. Castaneae equinae facie Arbor Carolin. flore galeato spicato, Pet. Act. Ph. ? 333, p. 424, n. 86. **Aesculus Pavia L.**
- Pegu Sasafra. Sent from Fort St George by Dr Edw. Bulkley 1704. **Cinnamomum obtusifolium Nees.**
- Persea, Clus. Hist. 2. Plum. Pl. Gen. p. 44, Tab. 20. Alegator tree or pear. **Persea gratissima Gaertn.**
- Planta Indica ex arborum annosarum truncis excrecens. Kabo-lossa. **Dioscorea oppositifolia L.**
- Polygonum baccifera scandens 1. C. B. P. p. 15. Ephedra sive Anabasi Dod. 74. **Ephedra distachya L.**
Another sheet labelled Uva marina maj. C. B. 15. s. Polygonum baccif. maritimum majus. Uva marina Dod. 75, is **E. nebrodensis Tineo.**
- Pomifera seu potius Prunifera Indica, nuce reniformi, summo pomo insidente, Cajous dicta, Raii Hist. 1628. Anacardii alia species, C. B. P. 512. Acajou Linschot. **Anacardium occidentale L.**
- Prunifera seu Nucifera Malabarica foliis Nymphaeae, fructu rotundo cortice pulvinate, Raii H. Pl. 1525. Pona, H. Mal. P. 4, T. 38, pag. 79. **Calophyllum Inophyllum L.**
- Prunus sylv. minor. **Prunus spinosa L.**
- Ramus hic ex fructu Pyri excrevit. Anno 1701. A proliferous fruit of **Pyrus communis L.**
- Rhoi similis Trageodes leptiphyllus Americana spinosa, rachi medio appendicibus aucto, D. L. Pl. Tab. 107. An Coriaria arbor spinosa. Acaciae foliis et facie P. B. P. ? inter Addend. forte Quauhtecopalli Pitzahuac, Copallifera leptophylla alia Hernand. p. 49. Fingrego et Sabina arbor Barbadiensibus nostratibus dicta. An Tsieroukattou-naregam, H. Mal. part 4, Tab. 14, sit Sabina arborescens Barbadiensium. Savin or Saneing tree. **Limonia acidissima L.**

- Rosa candida plena*, J. B. ***Rosa gallica* L.**
- Rosa candida semiplena*, J. B. *Anglica alba*, Park. ***Rosa alba* L.**
- Rutrasha caudamba*. ***Mitragyna parvifolia* Korth.**
Another sheet with the same name is ?*Acacia Intsia* Willd.
- Salix humilis repens rotundifolia*, J. B. ***Salix herbacea* L.**
- Sambach Arabum s. Gelsemin. Arabum*, Alp. de Aegypt. n. 4. H. Mal. Tom. 6, 87. Fort St George. ***Jasminum Sambac* Soland.**
- Scorpius Lusitanicus aculeis horridus*, Tournefort. *Genista spartium majus tenuis et glabrum*, H. R. Par., El Bot. ***Ulex densus* Welw.**
- Sheranlan chedde*. ? *Triphasia trifoliata* DC. = **T. *Aurantiola* Lour.**
- Siliquosus Madrasp. Frutex Glycyrrhizae foliis alternis*, M. Pet. n. 476. *Biti Malabaricae accedens Arbor Maderaspatana fl. peculiari*, Pluk. Phytog. t. 18, f. 1. From Fort St George. ***Cadaba indica* Lam.**
- Sorbus sativa* C. B. P., legitima Park. ***Pyrus Sorbus* Gaertn.**
- Sweet Bay from ye Canaries. ***Laurus nobilis* L.**
- Thymelaea*, Clus. Hisp. 172. Also a sheet labelled T. *Linariae fol. Daphne Gnidium* L.
- Thymelaea Linariae folio vulgaris*, Inst. 594, C. B. 468. *Passerina Tragi*, J. B. 3, p. 456. Bobart has written 'The upper Synonim is Dr Salvador's own wrighting'. ***Thymelaea Passerina* (L.) Lange.**
- Triopteris Indiae Orient. Chamaenerii splendentibus foliis*, Pl. Tab. 347, 5, Mantiss. 185. Sent from Fort St George by Dr Edw. Bulkley 1700. & 1702. *Pauregera Melle chedde*, and since *Paula mulle & Parvella mally. Arbor tristis* Park. 1644. ***Nyctanthes Arbor tristis* L.** (See No. 994.)
- Triopteris Indiae Orientalis s. Arbuscula Amygdalae nonae folio, dispermos siliqua Thlaspeos Dioscoridis ternis amplioribus extantibus alis donata. Waenella Ceylanensibus dicta*, Pl. Alm. bot. p. 377. *Aceri vel paliuro affinis, angusto oblongo Ligustri folio, tetrapetalo herbaceo*, Sl. Cat. Jamaic. p. 138. *Idem cum Arbuscula viscosa Elaeagni, fol. laete virentibus*, D. Pet. Act. phil. n. 267, p. 717 ad an 1700. Ray hist. vol. 3, p. 94 D. Two sheets. ***Ptelea viscosa* L. = *Dodonaea viscosa* Jacq.**
- Viscum quercinum ex agro Staffordiensi. donum D. Thurstin, Oriens.* 1690. ***Viscum album* L.**
- Vitex India Orient. Vitex Agnus Castus* L.
- White Hoop tree. A sort of Wyth. Barbadoes 91. ***Tournefortia bicolor* Sw.**
- Wild Honey. Barbadoes. ***Randia aculeata* L.**

EXPLANATION OF THE ABBREVIATED REFERENCES APPENDED TO THE PRE-LINNEAN PLANT-NAMES.

- Acostae.* Acosta, C., Tractado de las Drogas y medicinas de las Indias Orientales. . . . 1578.
- Act. Philosoph.* Philosophical Transactions of the Royal Society.
- Ad. Lob., Adv. Lob.* v. Lobelius.
- Aldini.* Aldinus, T., Exactissima descriptio plantarum, quae continentur Romae in horto Farnesiano. 1625.
- Alpin. de Exot.* Alpinus, P., De plantis exoticis libri duo. 1627.
- Amalth.* v. Plukenet.
- Ambrosin., Ambr. Phyt.* Ambrosinus, G., Phytologia. . . . 1666.
- Banister Cat.* v. Cat. Virgin.
- Bar. Icon.* Barrelier, J., Plantae per Galliam, Hispaniam et Italiam observatae. 1714.
- Barth. Act. Haff.* Thomae Bartholini Acta Medica et Philosophica Hafniensia (Kopenhagen), I-V. 1671-79.
- Boccon., Bocc. Tab.* Boccone, P., Icones et descriptiones rariorum plantarum Siciliae, Melitae, Galliae, et Italiae. 1674.
- Bodaei a Stapel.* Theophrasti Eresii de historia plantarum libri decem. 1644.
- Boerh. Ind. Alt.* Boerhaave, H., Index alter plantarum, quae in horto academico Lugduno-Batavo aluntur. 1720.
- Bontii.* Bondt J. (Bontius), Historia naturalis et medica Indiae orientalis. 1658. (Imp. cum Pisonis De Indiae Utriusque Re naturali et medica.)
- Bot. Monsp.* Magnol, P., Botanicum Monspeliense. 1686.
- Breyn. Cent.* Breyne, J., Exoticarum aliarumque minus cognitarum plantarum Centuria prima. 1687.
- Breyn. Fasc., Br. Pr., Breyn. Prod.* Breyne, J., Prodomus fasciculi rariorum plantarum anno 1679 in hortis celeberrimis Hollandiae, &c. observatarum. 1680.
- Brunfel.* Brunfels, O., Herbarum vivae eicones. . . . 1530.
- Caesalp.* Cacsalpinus, A., De plantis libri xvi. 1583.
- Cam., Cam. Hort.* Camerarius, J., Hortus medicus et philosophicus. . . . 1588.

- Car. Steph. Praed. Rust.* Stephanus, C., Praedium Rusticum. 1554.
- Cast. Durant.* Durante, C., Herbario nuovo, con figure. . . . 1585.
- Cat. Giss.* Dillenius, J. J., Catalogus plantarum sponte circa Gissam nascentium. 1719.
- Cat. H. Hampt.* Catalogue of the Royal Garden, Hampton Court.
- Cat. Hort. Amst.* Commelin, J., Catalogus plantarum horti medici Amstelaedamensis. Pars prior. 1689.
- Cat. Nat. Hist.* Catesby, M., The natural history of Carolina, Florida, and the Bahama Islands. 1731-43.
- Cat. Virgin.* Banister, J., Catalogus Plantarum in Virginia sponte nascentium. 1679. (MS. in Bibl. Hort. Bot. Oxon.)
- C. B., C. B. P., Casp. Bauh. Pin., C. B. Theat.* Bauhin, C., Pinax theatri botanici. . . . 1623.
- C. B. P. et Theat.* (vid. supra et) Bauhin, C., Theatri botanici sive Historiae plantarum . . . liber primus. 1658.
- C. B. Prod.* Bauhin, C., ΠΡΟΔΡΟΜΟΣ Theatri botanici. . . . 1620.
- Chab.* Chabrey, D. (Chabraeus), Stirpium icones et sciagraphia. 1666. vide J. Bauhin.
- Clus. Cur.* Clusius, C., Curae posteriores seu plurimarum non ante cognitarum aut descriptarum stirpium peregrinorumque aliquot animalium novae descriptiones. . . . 1611.
- Clus. Exot.* Clusius, C., Exoticorum libri decem, quibus animalium, plantarum, . . . describuntur. 1605.
- Clus. Hisp.* Clusius, C., Rariorum aliquot stirpium per Hispanias observatarum historia. 1576.
- Clus. H., Clus. Hist.* Clusius, C., Rariorum plantarum historia. 1601.
- Clus. Pan.* Clusius, C., Rariorum aliquot stirpium per Pannoniam, . . . observatarum historia. 1583.
- Cod. Compt., Cod. Comptoniano.* Reference to the garden of the Bishop of London (H. Compton), Fulham.
- Col.* Colonna, F. (Columna), Minus cognitarum rariorumque nostro coelo orientium stirpium ΕΚΦΡΑΣΙΣ. . . . 1616.
- Comm. H. Amst.* Commelin, J., Horti medici Amstelodamensis rariorum tam orientalis quam occidentalis Indiae. . . . 1697-1701.
- Cord. Hist., Cordi.* Cordus, V., Annotationes in Pedacii Dioscoridis Anazarbei de medica materia libros v. Cum ejusdem Historia stirpium et Sylva, &c. 1561.
- Corn.* Cornut, J., Canadensium plantarum . . . historia. 1635.
- C. Plum.* Plumier, C., Description des plantes de l'Amérique. 1693.
- D. Dominus.*
- Dale., Dale Pharm.* Dale, S., Pharmacologia seu manuductio ad materiam medicam. 1693.
- Dal. Lugd.* Dalechamps, J., Historia generalis plantarum . . . Lugduni. 1587.

- D. de Flines.* Owner of a garden in Holland. Mentioned in Preface to Schol. Bot. Par., q. v.
- Diosc.* Dioscorides.
- Dodart Mem.* Dodart, D., Mémoires pour servir à l'histoire des plantes. 1676.
- Dod. Pempt.* Dodoens, R. (Dodonaeus), Stirpium historiae pemptades sex, sive libri xxx. 1583.
- Eyst., Eyst. Hort.* Besler, B., Hortus Eystettensis. . . . 1613.
- Fagel,* Caspar F. Owner of a Garden at Lewenhorst in Holland.
- Fagon,* G. C. Superintendent of the Jardin des Plantes, Paris, under Tournefort.
- Fl. Bat. Flores., Fl. Lugd. Bat. Fl.* Hermann, P., Florae Lugduno-Batavae flores. . . . 1690.
- Ferr. Flor.* Ferrarius, J. B., De Florum cultura libri iv. 1633.
- Fran. Redi.* Esperienze intorno a diverse cose naturali e particolarmente a quelle che son portate dell' India. Firenze. 1671.
- Fuch.* Fuchs, L., De Historia Stirpium Commentarii. . . . 1542.
- Gab.* Herrera, Gabriel Alonso de, Opus de Agricultura Hispanice scriptum. Venetiis. 1557.
- Ger.* Gerarde, J., The Herball, or generall historie of plants. 1597.
- Ger. Emac.* ——— Ed. ii, 1633, by T. Johnson.
- Gesn., Gesn. Hort.* Gesner, K., De hortis Germaniae liber (cum Cordi, V. Annotationes). 1561.
- G. N., Gazophyll. nost.* See Petiver.
- Grisley, G.,* Viridarium lusitanum. 1661.
- Hampt. C.* Royal Garden, Hampton Court.
- H. Amst.* Commelin, K., Horti Amstelaedamensis plantae rariores et exoticae ad vivum aeri incisae. 1706.
- H. Beaumont.* Hortus Beaumontianus, a garden at the Hague. Kiggelaer, Horti Beaumontiani Catalogus. 1690.
- H. Cathol.* Cupani, F., Hortus Catholicus. 1696.
- H. L. B., H. L. Bat., Hort. Lugd., Hort. Lugd. Bat.* Hermann, P., Horti academici Lugduno Batavi catalogus. . . . 1687.
- H. Leyd.* Botanic Garden of Leyden.
- Herm. H. L. Bat.* Hermann, P., Horti academici Lugduno-Batavi catalogus. . . . 1687.
- Hermannii Zeyl.* Hermann, P., Musaeum zeylanicum, sive cat. plant. in Zeylana sponte nascentium observat. et descript. 1717.
- Hernand.* Hernandez, F., Rerum medicarum Novae Hispaniae thesaurus. 1651.
- Hist. Lugd.* v. Dalechamps.
- Hist. Musc.* Dillenius, J. J., Historia muscorum. 1741.
- Hort. Amstel.* v. H. Amst.
- Hort. Cliff., Hort. Cliffort.* Linnaeus, C., Hortus Cliffortianus. 1737.

- Hort. Mal.* Rheede tot Draakenstein, H. A., Hortus Indicus Malabaricus. 1678-1703.
- Hort. Paris.* Botanic Garden of Paris, v. H. R. P.
- H. Pat., Hort. Pat.* Botanic Garden of Padua.
- H. R. Bles., Hort. Reg. Bles.* Morison, R., Hortus regius blesensis. 1669.
- H. R. Hampt., Hort. Reg. Hampt.* Royal Garden, Hampton Court.
- H. R. P., H. Reg. Par., Hort. Reg. Par.* Horti Regii Parisiensis Catalogus anno 1665.
- H. Schola Paris.* Schola Botanica sive Catalogus Plantarum, quas . . . in Horto Regio Parisiensi Studiosis indigitavit Vir clarissimus J. P. Tournefort. . . Edente S. W. A. (Simon Wharton, Anglus, a pseudonym of W. Sherard). 1689.
- I. B., J. B.* Bauhin, J., Historia Plantarum universalis. Quam recensuit et auxit Dominicus Chabraeus. 1650-1.
- Icon. Paris.* Icones Plantarum Horti Regii Paris. s. a.
- J. B. Chabr.* Chabrey, D. (latine Chabraeus) v. Bauhin, J.
- Jacob Cornut.* v. Cornuti.
- Joh. Bauch.* v. Bauhin, J.
- Johns. Merc. Bot.* Johnson, T., Mercurius botanicus . . . partes i et ii. 1634-41.
- Jonston Dend.* Jonston Joh., Dendrographia. . . . 1633 (Angl. Lond. 1657.)
- J. R. H., I. R. H.* Tournefort, J. P., Institutiones rei herbariae. 1700.
- Linschot.* Linschotten, J. H. Itinerarium, ofte schipvaert naer Oost ofte Portugaels Indien. . . . 1596.
- Lob. Adv.* Lobelius, M. (de l'Obel) et Pena, P., Stirpium Adversaria nova. 1605.
- Lob. Icon.* — Plantarum seu stirpium icones. 1581.
- Lob. Illust.* — Stirpium illustrationes. 1655.
- Lob. Obs.* — Plantarum seu stirpium historia. 1576.
- Llhwyd., Lloyd.* Edward Lloyd, Keeper of the Ashmolean Museum. 1690.
- Lugd., Lugd.* v. Hort. Lugd. v. H. L. B.
- Magnol. Bot. Monsp.* Magnol, P., Botanicum Monspeliense. 1686.
- Marcgrav., Marck.* Marcgraf, G., Historia rerum naturalium Brasiliae. (cum Piso, W., De medicina Brasiliensi). 1648.
- Matth.* Mattioli, P. (latine Matthiolus) Opera, quae extant, omnia; hoc est: Commentarii in vi. libros Pedacii Dioscoridis Anazarbei de Materia Medica. 1598.
- Mentzelii.* Mentzel, C., Index nominum plantarum universalis. 1682.
- M. N., Mus. Pet.* Petiver, J., Museum Petiverianum. . . . 1702-9.
- Monard.* Monardes, N., Simplicium Medicamentorum . . . Historia, ed. Clusius Exotic. lib. decem. 1605.

- Mor. II. R. Bles.* Morison, R., Hortus regius Blesensis. 1635 (in *Praeludia Botanica*, 1669).
- Moris. Praelud. Bot.* Morison, R., *Praeludia Botanica*. 1669.
- Munting, Munting Hist.* Munting, A., *Nauwkeurige Beschryving der Aardgewassen*. 1696.
- Mus. Nost., Mus. Petiv.* v. M. N.
- Mus. Zeyl.* Hermann, P., *Musaeum Zeylanicum*. . . . 1717.
- Odenlandii, Oldenl.* Oldenlandus, H. B. & Hartog, J., *Catalogi duo plant. african.*, in Kolbe, *Beschr. d. Kaps der guten Hoffnung, &c.* 1719, and Burmann, *Thes. Zeyl.* 1737.
- Pan.* v. Clus. *Pan.*
- P. B., P. B. P., Par. Bat. Prod., Paradis. Bat. Prod.* Hermann, P., *Paradisi batavi prodromus*. Edidit S. W. A. (Simon Wharton, Anglus, a pseudonym of W. Sherard) in *ejus Schola Botanica*. 1689 (v. H. Schola Paris).
- Park. Paradis.* Parkinson, J., *Paradisi in sole Paradisus terrestres*. . . . 1629.
- Park. Theat.* — *Theatrum botanicum*. . . . 1640.
- Passaei.* Passaeus, C., *Hortus floridus*. . . . 1614.
- Pet. Act. Ph.* Petiver, J. *Papers in the Philosophical Transactions of the Royal Society*. Circa 1697?
- Pet. Gaz., Pet. Gazoph.* Petiver, J., *Gazophylacii naturae et artis*. . . . decades X. 1702-9.
- Philos. Transact.* *Philosophical Transactions of the Royal Society*.
- Phytogr.* Plukenet, L., *Phytographia, Pars i-iv*. 1691-6.
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