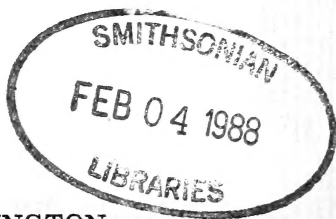




QK
191
T55
1907
Bot^{H.C.}~~any~~
~~Hitch~~
~~Cook~~ -
~~Chase~~

Banister's Catalogue
of
Virginia Plants



WASHINGTON
1907

HITCHCOCK AND CHASE LIBRARY
Smithsonian Institution

In Memory of John Banister
Pioneer of Virginia Botany

QK

191

T55

1907

Botany

Hitchcock -

Chase





PREFACE

The object of this little volume is to bring within reach of those who have not access to the earlier works on our flora, the most important facts relating to the botany of Maryland and Virginia. This is perhaps best accomplished by the reprinting of old records, as the reader will thus obtain an objective view of the works of the pioneers.

Jacques Philippe Cornut's *Historia Plantarum Canadensium*, published in Paris, 1635, is undoubtedly one of the earliest records of North American plants. This work contains descriptions and illustrations of many species the geographical ranges of which include not only *New France* but also *New England* and the territory southward to *Virginia* and the *Carolinas*. Of the numerous species described whose identity has been established beyond any possible doubt, we may cite *Filix baccifera* (*F. bulbifera*), found occasionally in our region, and *Adiantum americanum* (*A. pedatum*) one of our characteristic ferns of low, deciduous woods.

In 1640, Parkinson published his *Theatrum Botanicum* wherein he records many plants from Virginia. We may cite again *Adiantum pedatum* under the name of *Adiantum fruticosum americanum*. The weird, but beautiful *Juniperus virginiana*, the characteristic ornament of the lower Potomac region and elsewhere, is mentioned by Parkinson.

In 1686, Ray began the publishing of his *Historia Plantarum* [vol. 1, 1686; 2, 1688; 3, 1704], in which numerous species from Maryland and Virginia are described. Banister's Catalogue of Virginian Plants was published here. This document is of special interest since it is without much doubt the earliest record, dealing exclusively with Virginian plants. Many of the species are recognized at once by any one familiar with the plants of our region, and in the notes to follow the reprint of *Banister's Catalogue* attempts will be made to determine the species and give their history as fully as possible.

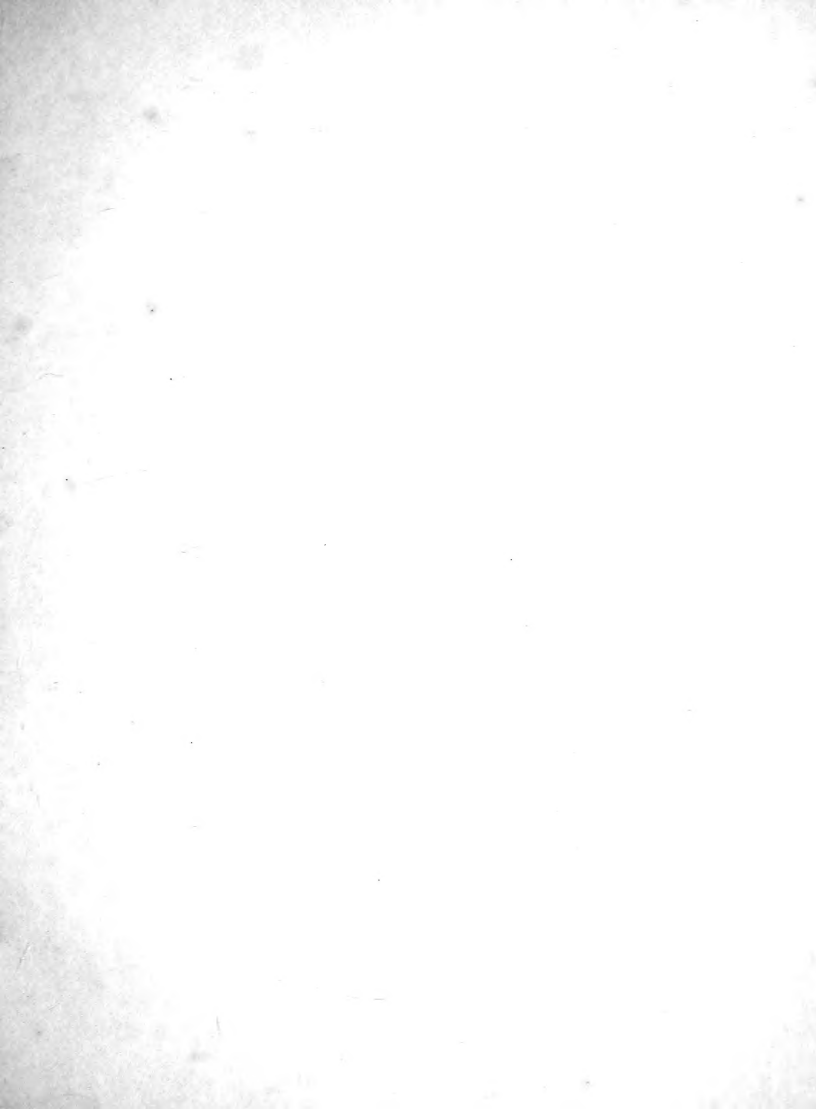
The works of Morison, Hermann, Plukenet, Bobart and others will be referred to in the account of the species.

The task of identifying an old species from the descriptions only is a difficult one, for it requires a careful study of the prominent authors of the period in which a species was published. The method of description of two centuries ago presupposes also an intimate knowledge of the older masters and their terminology. This is readily seen if we examine Banister's second species: [*Alsine Spergula latifolia reptans*] *Becabungae folio*. The expression serves both as a name and as a description, wherein a knowledge of another plant, *Veronica beccabunga*, is prerequisite.

I am indebted to *Messrs. Frederick V. Coville* and *P. L. Ricker* for their kind aid in the correction of the manuscripts and proofs.

Washington, D. C.

Ivar Tidestrom



BANISTER'S CATALOGUE
OF
VIRGINIAN PLANTS

(From RAY, HIST. PLANT. 2: 1926-1928. 1688.)

E Catalogo huc transmisso *Anno* 1680. quem composuit eruditissimus Vir & consummatissimus Botanicus D. *Johannes Banister* Plantarum a seipso in Virginia observatarum.

A

Alsine *Spergula latifolia reptans.*

Becabungae folio.

Althaea lutea Pimpinellae majoris folio, floribus parvis, seminibus rostratis. Folia hujus plantae pediculis insident.

Althaea magna Aceris folio, cortice Cannabino, floribus parvis semina rotatim in summitate caulium, singula singulis cuticulis rostratis co-operta ferens.

Althaea magna quinquecapsularis, cortice Cannabino, foliis integris subtus albicantibus, floribus magnis ex fundo saturate rubro albis.

Alth. magna quinquecapsularis, cortice Cannabino, foliis Malvarum modo divisis, subtus viridibus.

Ambrosia inodora foliis non divisis.

gigantea inodora foliis asperis trifidis.

Anchusa lutea minor, quam Indi Paccoon vocant seipsos ea pingentes.

Anemone latifolia sylvestris alba.

Apocynum erectum non ramosum folio subrotundo, umbellis florum rubris.

Apoc. erect. non ramos. latiore folio, umbellis florum albicantibus.

Apoc. erect. minus, umbella florum candida.

1. *Stellaria*: *Stellaria media*

2

3

4 *Stellaria media*

7 *Ambrosia trifida* *Ambrosia trifida*

8

9 *Ambrosia virginiana*

1

2

3

4

5

Stachys laevis

7

8

9 *Stachys triphyllum*

10 " *pusillum*

11 " *dracunculifera*

12 " *virginica*

13 " *aquaticum*

14

15 *Stachys virginiana* L.

16 *Stachys pumila*

1 Apoc. erect. non ram. Asclepiadis folio, umbellis
florum rubentibus.

4 Apoc. minus non lactescens, caule & foliis hirsu-
tis, floribus saturate luteis.

3 Apoc. erect. non ram. Roris marini foliis umbel-
lis florum candidis.

4 Apoc. petraeum ramosum Salicis folio.

5 Apoc. scandens, capsulis brevibus spinis asperis.

6 Apoc. scand. capsulis alatis.

7 Apoc. scand. capsulis planis.

Haec omnia siliquas ferunt tumentes.

8 Apoc. erect. ramosum, caule rubente, foliis ob-
longis parvis, siliquis [ex flosculis albis] tenu-
issimis, binatim ad extremitates conjunctis.

9 Arisarum triphyllum, pene viridi.

0 Aris. triph. minus, pene atro-rubente.

1 Aris. Dracontii foliis pene longo acuminato.

2 Arum aquaticum, foliis in acumen desinentibus,
fructu viridi.

3 Arum fluitans, pene nudo.

C

Carduus Jaceoides purp. foliis subtus incanis, ca-
pite viscoso.

4 Caryophyllata flore semper albo.

5 Castanea pumila racemoso fructu parvo, in sin-
gulis capsulis echinatis unico, The Chinqua-
pin. Autor descriptionis Carolinae ex hac
nuce Chocolatam fieri refert non multo inferi-
orem ei quae ex Cacao fit.

Centaurium minus caule quadrato alato, flore
carneo amplo, umbilico luteo.

Centaurium luteum Ascyroides.

Clematis purpurea repens petalis florum coriaceis.

Clem. erecta, humilis non ramosa, foliis subrotundis, flore unico ochroleuco.

Cochlearia flore majori. In locis udis a salsis
procul remotis.

Conyza coerulea acris Americana.

Cucumis fructu minimo viridi, ad maturitatem
perducto nigricante. Fructus Bryoniae albae
bacca non multo major est, cujus primo aspectu
speciem esse putaveram.

D

Dens caninus flore luteo.

Digitalis flore pallido transparenti, foliis & caule
molli hirsutiae imbutis.

Digit. rubra minor, labiis florum patulis, foliis
parvis angustis.

Digit. lutea elatior Jaceae nigrae foliis.
lutea altera, foliis tenuius dissectis thecis
florum foliaceis.

parva comis coccineis.

E

Eryngium campestre Yuccae foliis, spinis tenellis
hinc inde marginibus appositis.

Euonymus capsulis eleganter bullatis.

F

Filix mas foliis integris auriculatis.

mas rachi seu nervo medio alato.

1 *Sabbatia difformis* L.

2

3 *Clematis viorna* L.

4 *Clematis ochroleuca* L.

5 *Urtica dioica* L.

6 *Eupatorium coruleum* L.

7 *Melochria pendula* L.

8 *Eupatorium dens canis* L.

9 *Pentstemon hispidus* L.

10 *Gerardia purpurea* L.

11 *Taraxacum flavum* L.

12 *Gerardia pedicularis* L.

13

14 *Krynogium aquaticum* L.

15 *Clethra bullata* L.

16 *Polystichum acrostichoides* L.

17 *Phyopteris hexagonata* L.

7 *Polygonella cucubaria*

8 *Polygonum micradenaron*

9 *Lappula pedunculata pubescens*

10 *Polypodium scandens*

11 *Polygonum venosum*

12

1 [Filix] foemina foliis per margines pulverulentis,
seminibus fimbriatis.

2 Fumaria siliquosa lutea.

3 Siliquosa altera grumosa radice, floribus
gemellis ad labia conjunctis.

4 Fungus (ex stercore equino) capillaceus capitulo
rorido, nigro punctulo in summitate notato.

Ex recenti fimo noctu exoritur cauliculis erectis, vix digitum longis capillorum instar tenuibus nec minus densis seu confertis. Singuli Cauliculi parvulo globulo aqueo coronantur, qui in summa sui parte macula parva nigra Limacis oculo simili insignitur.

G

5 Gentianae affinis foliis glabris serratis, floribus Ran-
nae referentibus.

6 Gladiolus coeruleus hexapetalos, caule etiam gla-
diato.

7 Gratiola foliis latioribus serratis.

H

8 Hedera trifolia Canadensis foliis sinuatis.

9 Helleborine flore rotundo luteo, purpureis venis
striato. The Mockasine flower.

10 Helxine late scandens seminibus majoribus.

11 Helxine frutescens Bryoniae nigrae foliis, capsulis
triquetris amplis Pergamenis.

12 Hieracium fruticosum latifolium foliis punctulis
& venis sanguineis notatis.

13 Hyacinthus Occidentalis flore pallide coeruleo.

Hypericum parvum caule quadrato seu *Ascyron minimum*.

Hyper. pumilum semper virens caule compresso ligneo; ad bina latera alato, flore luteo tetrapetalo, seu *Crux S. Andreae*.

Hyper. frutescens luteum Phillyrhae foliis.

I

Jacea non ramosa tuberosa radice, foliis plurimis rigidis perangustis, flores ferens multos parvos rubentes acaules in spica ad caulem sessiles.

Jac. non ram. tub. rad. foliis latioribus flores ferens pauciores, majores, squamis hiantibus armatos & pediculis curtis insidentes.

Jacobaea lanata foliis brevibus subtrotundis, lanata altera foliis longis angustis.

Jasminum arboreum foliis amplis, oblongis, superne virentibus, subtus leni canitie pubescentibus, flores albos in quatuor lacinias longas angustas ad umbilicum usque partitos racematim ferens.

Iris aculeata baccifera arborea minus ferax.

Iris coerulea latifolia & angustifolia.

Chamae-Iris verna odoratissima, latifolia coerulea repens.

L

Pseudo-Lathyrus luteus glaber, siliquis tumentibus, duplicem seminum seriem continentibus.

Pseudo-Lath. lut. hirsutus siliq. tument. continentibus duplicem seriem seminum.

Laurus Tinus floribus albidis eleganter bullatis.

1
2
3

4 *Lacinaria spicata*
5 " *sessiosa*

6 *Senecio tomentosus*
7 *Chionanthus virginica*

8
9 *Cris varicolor* - *S. prismatica*

10
11 *Baptisia tinctoria*

12 " *villosa*
13 *Thalictrum latifolia* L.

1. *Amaranthus atamosus* L.
2. *Silene rupestris* L.
3. *Medicago virginiana* L.

Senecio circinnia L.

Senecio jacobina L.

Senecio stellatus L.

Flos nondum apertus pyxidi S.M. Magdalenae
(ut nonnunquam pictam vidi) similis est.

1 Lilio-narcissus humilis albus.

2 Liliium S. Martagon floribus reflexis ex luteo ru-
bentibus, purpureis maculis eleganter notatis.

3 Liliium S. Martagon pusillum florib. minutissimis
herbaceis. Caulem habet vix dodrantalem, ver-
ticillo foliorum unico cinctum, cujus summitas
quatuor floribus reflexis Solani lignosi floribus
magnitudine haud aequalibus, pediculis parvis
insidentibus coronantur.

4 Liliium Squillae foliis, denticellis parvis ad mar-
gines serratis. Caule est alto, nudo, ad cujus
summitatem prodeunt flores in spica sessiles,
petalis paene ad imum (ut loqui amant fe-
ciales) quasi erasis; staminibus sex (si non
male memini) purpuro-coeruleis, mole sua a-
liquantulum depressis. Flos quamvis aspectu
non admodum pulcher sit pergratum habet o-
dorem. Radicem habet imbricatam instar Lili,
folia crassa admodum & succulenta, non tamen
Sempervivi species est.

5 Lonchitis maxima foliis planis *i. e.* non dentatis,
nec pulverulentis maculis notatis, uno in cespite
foliorum unicum protrudens caulem foliis an-
gustioribus, pulverem seu semina in mem-
branulis quasi in capsulis ferentibus composi-
tum.

Lonchitis major Polypodii facie. Haec atque eti-
am vulgaris simili modo florida est.

Lychnis plum aria alba, foliis ad geniculum quatu-
or cruciatim positis, thecis florum tumentibus.

Lysimachia lutea minor, foliis & floribus purpureo punctatis.

Lysimachia siliquosa lutea minor.

M

Melissa elatior foliis magnis dentatis glabris, ad geniculum binis : flores odoratos luteos patulos stamina bina quasi cornua protrudenti[a] in summitate caulium racematim ferens.

Mercurialis tricoccus hermaphroditica, s. ad foliorum juncturas ex foliolis cristatis julifera simul ac fructum ferens.

Muscus erectus dense complicatus Cupressi foliis major & minor. In rupe quadam prope Sabinas foliis Cupressi.

Myrrhis minor procumbens, seu potius *Cerefolium*.

N

Nux vesicaria Virginiana Park.

O

Orchis palmata elegans lutea cum longis calcaribus luteis, palmata lutea minor nullis calcaribus. Hermaphroditica, flore minore, calcare longiore.

Origanum floribus amplis luteis, purpureo maculatis, cujus caulis sub quovis verticillo decem vel duodecimo foliis est circumcinctus.

Orig. cujus ramorum summitates floribus diluterubris in verticillos congestis coronantur.

Orig. foliis ad summitatem caulium canis, floribus multis pallide coeruleis in cymis ramorum dense stipatis.

- 3 *Collinsonia canadensis* L.
- 4 *Aralypha virginica* L.
- 5 *Lycopodium* ?
- 6 *Chaerophyllum procumbens*
- 7 *Saxifraga trifoliata*
- 8 *Cochis cilicaria* L. ?
- 9 *Asarum canadense*
- 10
- 11 *Cimicifuga racemosa*

1. *Staphis agria* L.
2. *Staphis agria* L.

- 3.
- 4.
- 5.
6. *Staphis agria* L.

7. *Staphis agria* L.
8. *Staphis agria* L.

9. *Staphis agria* L.
10. *Staphis agria* L.

11. *Staphis agria* L.
12. *Staphis agria* L.

13. *Staphis agria* L.
14. *Staphis agria* L.

Ornithogalum luteum parvum foliis gramineis
hirsutis.

Orobanche radice dentata caule & flore albo.

Flos ejus quem unicum in uno caule Goodyeri
Orobanches similis est sed major. Conceptacu-
li seminalis venter seu pars protuberans non
rotunda est canaliculata.

P

Pepo fructu parvo compresso.

Phalangium ramosum floribus albis, ad fundum
viridibus.

Phalangium album non ramosum floribus albis
ad caulem spicatum sessilibus.

Phyllitis parva saxatilis per summitates folii proli-
fera.

Pisum spontaneum purpureum.

Plantago aquatica latiore folio.

Polygala seu Flos ambarvalis floribus luteis in ca-
put oblongum congestis.

Polyg. rubra spica parva compacta.

Polygala spicata rubra major foliis & caulibus
coerulescentibus.

Pol. quadrifolia S. cruciata floribus ex viridi ru-
bentibus, in globum compactis.

Pol. quadrif. minor spica parva rubente.

Polygonatum ramosum capsula prismatica, ra-
mosum perfoliatum flore ochroleuco capsula
trigona.

Polypodium parvum foliis minutim serratis.

Polypodium minus alterum Scolopendriae facie.

Potamogeton Virginianum.

Q

Quercus variae species, 1. Pumila. 2. Alba. 3. Rubra. 4. Hispanica. 5. Castaneae folio. 6. Lini aut Salicis foliis. 7. Fruticosa. Harum primam in Historia, quintam in Appendice meminimus.

R

Ranunculus Thalictri folio, radice grumosa; Anemone sylv.

Rapuntum minimum glabrum. In uliginosis minus glabrum flore pallidiore.

Rhamnus Prunifolius fructu nigro, ossiculo compresso. The black Haw.

Rhus ramis ex stipte pullulantibus glabris. Hujus truncus carpi crassitiem nunquam superat, pollicis raro excedit. Baccae sapore sunt subsalso cum pungenti illo acore qui in Tamarindis sentitur mixto.

Rubia parva foliolis ad geniculum unumquodque binis, flore coeruleo fistuloso.

Rub. parva latifolia foliis ad genic. binis, flore rubente.

S

Sanicula seu Auricula ursi Cyclamini flore.

Saxifraga petraea Alsinefolia.

Sedum saxatile parvum, caule gracili aphylo, floribus rubentibus.

Solanum verticillatum latifolium molle, floribus obsolete rubris, baccis luteis.

1) *Quercus pumila*, *alba*, *subra*,
falcata, *prinus*, *phellos*,
prinoides.

2) *Syndesmon thalictroides*

3

1) *Viburnum prunifolium*

5

1) *Houstonia coccinea* L.

2) *ib* " *purpurea*

2 *Trillium sessile* L.

3

4 *Totora arvensis*

5

6 *Ternstroemia occidentalis*

7 *Thalictrum flavum*

8 *Thalictrum aquilegifolium*

9

10 *Urtica dioica*

11

12 *Urtica dioica*

13

14 *Urtica dioica*

15

16

Sol. verticill. angustiore folio, flore ochroleuco.

Sol. triphyllum flo. tripetalo, atro-purpureo, in foliorum sinu absque pediculo sessili.

Staphis agria fol. dilute viridibus.

Stramonium fundo floris coeruleo, pomis longioribus spinis armatis.

T

Trichomanes major foliis longis auriculatis.

U

Valeriana Graeca seu Valeriana coerulea minor.

Veronica pratensis Serpyllifolia.

Viola tricolor nudo caule, foliis tenuius dissectis.

Viola alabastrites pentaphyllea, Cochleariae sapore, Nasturtii species.

Urtica urena major seminibus rotundis, compressis loculamentis viridibus inclusis & in caulis summitate racematim dispositis.

Inter semina ad me e Virginia transmissa, Anno 1687. ab eodem *D. Banister*, nonnulla invenio quorum nomina *in hoc* Catalogo non habentur, v. g.

Erigeron (frutex marit.) Halimi folio: Senecio arborescens Atriplicis folio.

Eryngium Plinii Portulacae foliis a *D. Spragge* acceptum.

Euonymus (ni male memini) Pyracanthae foliis.

Lysimachia lutea corniculata maritima.

Cynoglossum coeruleum Buglossi foliis.

Senae spuriae tres species quarum una siliquis est hirsutis a D. *Spragge* acceptae. Duae a me satae germinarunt & plantae produxerunt, quae duae species Paiomiriobae a Pisone descriptae esse videbantur.

Pistacia nigra Coryli folio D. *Spragge*.

Ulmus fructu Lupulino.

Ricinus parvus Urticae folio.

Convolvulus bicapsularis seminibus pappo alatis.

Phalangium spicatum flosculo Arbutaeo bullato aureo.

Lithospermum floribus rostratis.

Ricinus frutescens Fici foliis.

Gramen marinum echinatum. Hujus semina etiam a D. *Spragge* accepti, quae hac aestate in horto sata germinarunt, sed nondum ad frugem pervenerunt.

GK
191
T55
1907
Bot H.C.

Banister's Catalogue
of
Virginia Plants

WASHINGTON
1907

HITCHCOCK AND CHASE LIBRARY
Smithsonian Institution

In Memory of John Banister
Pioneer of Virginia Botany

OK
191
750
1900
F. H. H. H.
Class

PREFACE

The object of this little volume is to bring within reach of those who have not access to the earlier works on our flora, the most important facts relating to the botany of Maryland and Virginia. This is perhaps best accomplished by the reprinting of old records, as the reader will thus obtain an objective view of the works of the pioneers.

Jacques Philippe Cornut's *Historia Plantarum Canadensium*, published in Paris, 1635, is undoubtedly one of the earliest records of North American plants. This work contains descriptions and illustrations of many species the geographical ranges of which include not only *New France* but also *New England* and the territory southward to *Virginia* and the *Carolinas*. Of the numerous species described whose identity has been established beyond any possible doubt, we may cite *Filix baccifera* (*F. bulbifera*), found occasionally in our region, and *Adiantum americanum* (*A. pedatum*) one of our characteristic ferns of low, deciduous woods.

In 1640, Parkinson published his *Theatrum Botanicum* wherein he records many plants from Virginia. We may cite again *Adiantum pedatum* under the name of *Adiantum fruticosum americanum*. The weird, but beautiful *Juniperus virginiana*, the characteristic ornament of the lower Potomac region and elsewhere, is mentioned by Parkinson.

In 1686, Ray began the publishing of his *Historia Plantarum* [vol. 1, 1686; 2, 1688; 3, 1704], in which numerous species from Maryland and Virginia are described. Banister's Catalogue of Virginian Plants was published here. This document is of special interest since it is without much doubt the earliest record, dealing exclusively with Virginian plants. Many of the species are recognized at once by any one familiar with the plants of our region, and in the notes to follow the reprint of *Banister's Catalogue* attempts will be made to determine the species and give their history as fully as possible.

The works of Morison, Hermann, Plukenet, Bobart and others will be referred to in the account of the species.

The task of identifying an old species from the descriptions only is a difficult one, for it requires a careful study of the prominent authors of the period in which a species was published. The method of description of two centuries ago presupposes also an intimate knowledge of the older masters and their terminology. This is readily seen if we examine Banister's second species: [*Alsine Spargula latifolia reptans*] *Becabungae folio*. The expression serves both as a name and as a description, wherein a knowledge of another plant, *Veronica becabunga*, is prerequisite.

I am indebted to Messrs. *Frederick V. Coville* and *P. L. Ricker* for their kind aid in the correction of the manuscripts and proofs.

Washington, D. C.

Ivar Tidestrom

BANISTER'S CATALOGUE
OF
VIRGINIAN PLANTS

(From RAY, HIST. PLANT. 2: 1926-1928. 1688.)

E Catalogo huc transmisso Anno 1680. quem composuit eruditissimus Vir & consummatissimus Botanicus D. *Johannes Banister* Plantarum a seipso in Virginia observatarum.

A

Alsine Spergula latifolia reptans.

Becabungae folio.

Althaea latea Pimpinellae majoris folio, floribus parvis, seminibus rostratis. Folia hujus plantae pediculis insident.

Althaea magna Aceris folio, cortice Cannabino, floribus parvis semina rotatim in summitate caulium, singula singulis cuticulis rostratis cooperta ferens.

Althaea magna quinquecapsularis, cortice Cannabino, foliis integris subtus albicantibus, floribus magnis ex fundo saturate rubro albis.

Alth. magna quinquecapsularis, cortice Cannabino, foliis Malvarum modo divisis, subtus viridibus.

Ambrosia inodora foliis non divisis.

gigantea inodora foliis asperis trifidis.

Anchusa lutea minor, quam Indi Paccoon vocant seipsos ea pingentes.

Anemone latifolia sylvestris alba.

Apocynum erectum non ramosum folio subrotundo, umbellis florum rubris.

Apoc. erect. non ramos. latiore folio, umbellis florum albicantibus.

Apoc. erect. minus, umbella florum candida.

Apoc. erect. non ram. Asclepiadis folio, umbellis
florum rubentibus.

Apoc. minus non lactescens, caule & foliis hirsu-
tis, floribus saturate luteis.

Apoc. erect. non ram. Roris marini foliis umbel-
lis florum candidis.

Apoc. petraeum ramosum Salicis folio.

Apoc. scandens, capsulis brevibus spinis asperis.

Apoc. scand. capsulis alatis.

Apoc. scand. capsulis planis.

Haec omnia siliquas ferunt tumentes.

Apoc. erect. ramosum, caule rubente, foliis ob-
longis parvis, siliquis [ex flosculis albis] tenu-
issimis, binatim ad extremitates conjunctis.

Arisarum triphyllum, pene viridi.

Aris. triph. minus, pene atro-rubente.

Aris. Dracontii foliis pene longo acuminato.

Arum aquaticum, foliis in acumen desinentibus,
fructu viridi.

Arum fluitans, pene nudo.

C

Carduus Jaceoides purp. foliis subtus incanis, ca-
pite viscoso.

Caryophyllata flore semper albo.

Castanea pumila racemoso fructu parvo, in sin-
gulis capsulis echinatis unico, The Chinqua-
pin. Autor descriptionis Carolinae ex hac
nuce Chocolatam fieri refert non multo inferi-
orem ei quae ex Cacao fit.

- Centaurium minus caule quadrato alato, flore
carneo amplo, umbilico luteo.
- Centaurium luteum Ascyroides.
- Clematis purpurea repens petalis florum coriaceis.
- Clem. erecta, humilis non ramosa, foliis subrotundis, flore unico ochroleuco.
- Cochlearia flore majori. In locis udis a salsis
procul remotis.
- Conyza coerulea acris Americana.
- Cucumis fructu minimo viridi, ad maturitatem
perducto nigricante. Fructus Bryoniae albae
bacca non multo major est, cujus primo aspectu
speciem esse putaveram.

D

- Dens caninus flore luteo.
- Digitalis flore pallido transparenti, foliis & caule
molli hirsutiae imbutis.
- Digit. rubra minor, labiis florum patulis, foliis
parvis angustis.
- Digit. lutea elatior Jaceae nigrae foliis.
lutea altera, foliis tenuius dissectis thecis
florum foliaceis.
parva comis coccineis.

E

- Eryngium campestre Yuccae foliis, spinis tenellis
hinc inde marginibus appositis.
- Euonymus capsulis eleganter bullatis.

F

- Filix mas foliis integris auriculatis.
mas rachi seu nervo medio alato.

[Filix] foemina foliis per margines pulverulentis,
seminibus fimbriatis.

Fumaria siliquosa lutea.

Siliquosa altera grumosa radice, floribus
gemellis ad labia conjunctis.

Fungus (ex stercore equino) capillaceus capitulo
rorido, nigro punctulo in summitate notato.

Ex recenti fimo noctu exoritur cauliculis erectis,
vix digitum longis capillorum instar tenuibus nec minus
densis seu confertis. Singuli Cauliculi parvulo globulo
aqueo coronantur, qui in summa sui parte macula parva
nigra Limacis oculo simili insignitur.

G

Gentianae affinis foliis glabris serratis, floribus Ranæ
referentibus.

Gladiolus coeruleus hexapetalos, caule etiam gladiato.

Gratiola foliis latioribus serratis.

H

Hedera trifolia Canadensis foliis sinuatis.

Helleborine flore rotundo luteo, purpureis venis striato.
The Mockasine flower.

Helxine late scandens seminibus majoribus.

Helxine frutescens Bryoniae nigrae foliis, capsulis triquetris
amplis Pergamenis.

Hieracium fruticosum latifolium foliis punctulis & venis
sanguineis notatis.

Hyacinthus Occidentalis flore pallide coeruleo.

Hypericum parvum caule quadrato seu Ascyron
minimum.

Hyper. pumilum semper virens caule compresso
ligneo; ad bina latera alato, flore luteo tetra-
petalo, seu Crux S. Andreae.

Hyper. frutescens luteum Phillyrreae foliis.

I

Jacea non ramosa tuberosa radice, foliis plurimis
rigidis perangustis, flores ferens multos parvos
rubentes acaules in spica ad caulem sessiles.

Jac. non ram. tub. rad. foliis latioribus flores fe-
rens pauciores, majores, squamis hiantibus ar-
matis & pediculis curtis insidentes.

Jacobaea lanata foliis brevibus subrotundis, lanata
altera foliis longis angustis.

Jasminum arboreum foliis amplis, oblongis, su-
perne virentibus, subtus leni canitie pubescen-
tibus, flores albos in quatuor lacinias longas an-
gustas ad umbilicum usque partitos racematim
ferens.

Iris aculeata baccifera arborea minus ferax.

Iris coerulea latifolia & angustifolia.

Chamae-Iris verna odoratissima, latifolia coerulea
repens.

L

Pseudo-Lathyrus luteus glaber, siliquis tumentibus,
duplicem seminum seriem continentibus.

Pseudo-Lath. lut. hirsutus siliq. tument. continen-
tibus duplicem seriem seminum.

Laurus Tinus floribus albidis eleganter bullatis.

Flos nondum apertus pyxidi S.M. Magdalenae
(ut nonnunquam pictam vidi) similis est.

Lilio-narcissus humilis albus.

Lilium S. Martagon floribus reflexis ex luteo ru-
bentibus, purpureis maculis eleganter notatis.

Lilium S. Martagon pusillum florib. minutissimis
herbaceis. Caulem habet vix dodrantalem, ver-
ticillo foliorum unico cinctum, cujus summitas
quatuor floribus reflexis Solani lignosi floribus
magnitudine haud aequalibus, pediculis parvis
insidentibus coronantur.

Lilium Squillae foliis, denticellis parvis ad mar-
gines serratis. Caule est alto, nudo, ad cujus
summitatem prodeunt flores in spica sessiles,
petalis paene ad inum (ut loqui amant fe-
ciales) quasi erasis; staminibus sex (si non
male memini) purpuro-coeruleis, mole sua a-
liquantulum depressis. Flos quamvis aspectu
non admodum pulcher sit pergratum habet o-
dorem. Radicem habet imbricatam instar Lili,
folia crassa admodum & succulenta, non tamen
Sempervivi species est.

Lonchitis maxima foliis planis *i. e.* non dentatis,
nec pulverulentis maculis notatis, uno in cespite
foliorum unicum protrudens caulem foliis an-
gustioribus, pulverem seu semina in mem-
branulis quasi in capsulis ferentibus composi-
tum.

Lonchitis major Polypodii facie. Haec atque eti-
am vulgaris simili modo florida est.

Lychuis plum aria alba, foliis ad geniculum quatu-
or cruciatim positis, thecis florum tumentibus.

Lysimachia lutea minor, foliis & floribus purpureo punctatis.

Lysimachia siliquosa lutea minor.

M

Melissa elatior foliis magnis dentatis glabris, ad geniculum binis : flores odoratos luteos patulos stamina bina quasi cornua protrudenti[a] in summitate caulium racematim ferens.

Mercurialis tricoccus hermaphroditica, s. ad foliorum juncturas ex foliolis cristatis julifera simul ac fructum ferens.

Muscus erectus dense complicatus *Cupressi* foliis major & minor. In rupe quadam prope Sabinas foliis *Cupressi*.

Myrrhis minor procumbens, seu potius *Cerefolium*.

N

Nux vesicaria Virginiana Park.

O

Orchis palmata elegans lutea cum longis calcaribus luteis, *palmata lutea minor* nullis calcaribus. *Hermaphroditica*, flore minore, calcare longiore.

Origanum floribus amplis luteis, purpureo maculatis, cujus caulis sub quovis verticillo decem vel duodecimo foliis est circumcinctus.

Orig. cujus ramorum summitates floribus dilute rubris in verticillos congestis coronantur.

Orig. foliis ad summitatem caulium canis, floribus multis pallide coeruleis in cymis ramorum dense stipatis.



1 *Polypodium lutea* L.

2 *Polypodium* *fr. ... Nutt.?*
1 sandwicense

3 *Polypodium ... L.*

4 *Polypodium ... L.*

5 *Polypodium ... Nutt.*

Ornithogalum luteum parvum foliis gramineis hirsutis.

Orobanche radice dentata caule & flore albo.

Flos ejus quem unicum in uno caule Goodyeri Orobanches similis est sed major. Conceptaculi seminalis venter seu pars protuberans non rotunda est canaliculata.

P

Pepo fructu parvo compresso.

Phalangium ramosum floribus albis, ad fundum viridibus.

Phalangium album non ramosum floribus albis ad caulem spicatum sessilibus.

Phyllitis parva saxatilis per summitates folii proli-fera.

Pisum spontaneum purpureum.

Plantago aquatica latiore folio.

1 Polygala seu Flos ambarvalis floribus luteis in ca-put oblongum congestis.

2 Polyg. rubra spica parva compacta.

3 Polygala spicata rubra major foliis & caulibus coerulescentibus.

4 Pol. quadrifolia S. cruciata floribus ex viridi ru- bentibus, in globum compactis.

5 Pol. quadrif. minor spica parva rubente.

Polygonatum ramosum capsula prismatica, ra-
mosum perfoliatum flore ochroleuco capsula
trigona.

Polypodium parvum foliis minutim serratis.

Polypodium minus alterum Scolopendriae facie.

Potamogiton Virginianum.

Q

Quercus variae species, 1. Pumila. 2. Alba. 3. Rubra. 4. Hispanica. 5. Castaneae folio. 6. Lini aut Salicis foliis. 7. Fruticosa. Harum primam in Historia, quintam in Appendice meminimus.

R

Ranunculus Thalictri folio, radice grumosa; Anemone sylv.

Rapuntum minimum glabrum. In uliginosis minus glabrum flore pallidiore.

Rhamnus Prunifolius fructu nigro, ossiculo compresso. The black Haw.

Rhus ramis ex stipite pullulantibus glabris. Hujus truncus carpi crassitiem nunquam superat, pollicis raro excedit. Baccae sapore sunt subsalso cum pungenti illo acore qui in Tamarindis sentitur mixto.

Rubia parva foliolis ad geniculum unumquodque binis, flore coeruleo fistuloso.

Rub. parva latifolia foliis ad genic. binis, flore rubente.

S

Sanicula seu Auricula ursi Cyclamini flore.

Saxifraga petraea Alsinefolia.

Sedum saxatile parvum, caule gracili aphylo, floribus rubentibus.

Solanum verticillatum latifolium molle, floribus obsolete rubris, baccis luteis.

Sol. verticill. angustiore folio, flore ochroleuco.
Sol. triphyllum flo. tripetalo, atro-purpureo, in
foliorum sinu absque pediculo sessili.
Staphis agria fol. dilute viridibus.
Stramonium fundo floris coeruleo, pomis longio-
ribus spinis armatis.

T

Trichomanes major foliis longis auriculatis.

U

Valeriana Graeca seu Valeriana coerulea minor.
Veronica pratensis Serpyllifolia.
Viola tricolor nudo caule, foliis tenuius dissectis.
Viola alabastrites pentaphyllea, Cochleariae sapo-
re, Nasturtii species.
Urtica urena major seminibus rotundis, compres-
sis loculamentis viridibus inclusis & in caulis
summitate racematim dispositis.

Inter semina ad me e Virginia transmissa, *Anno*
1687. ab eodem *D. Banister*, nonnulla invenio
quorum nomina *in hoc* Catalogo non habentur,
v. g.

Erigeron (frutex marit.) Halimi folio: Senecio
arborescens Atriplicis folio.

Eryngium Plinii Portulacae foliis a *D. Spragge* ac-
ceptum.

Euonymus (ni male memini) Pyracanthae foliis.

Lysimachia lutea corniculata maritima.

Cynoglossum coeruleum Buglossi foliis.

Senae spuriae tres species quarum una siliquis est hirsutis a D. *Spragge* acceptae. Duae a me satae germinarunt & plantae produxerunt, quae duae species Paiomiriobae a Pisone descriptae esse videbantur.

Pistacia nigra Coryli folio D. *Spragge*.

Ulmus fructu Lupulino.

Ricinus parvus Urticae folio.

Convolvulus bicapsularis seminibus pappo alatis.

Phalangium spicatum flosculo Arbuteo bullato aureo.

Lithospermum floribus rostratis.

Ricinus frutescens Fici foliis.

Gramen marinum echinatum. Hujus semina etiam a D. *Spragge* accepi, quae hac aestate in horto sata germinarunt, sed nondum ad frugem pervenerunt.

SMITHSONIAN INSTITUTION LIBRARIES



3 9088 00088 4056