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John Toney

Representative of New York State

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REPORT

Of Dr. Torrey, on the Botanical Department of the Survey.

To His Excellency, WILLIAM H. SEWARD,
Governor of the State of New-York.

SIR :

As Botanist under the act for a Geological Survey of the State, I present you with the following catalogue, preparatory to my final report on the department committed to my charge. When I received my commission, no specific duties were assigned to me, except to make a thorough examination of the vegetable productions of the State, to collect and preserve seven sets of each species, and to arrange and name the whole. One of the sets was to be put up in volumes, for reference, and deposited in the Capitol at Albany; the others to be placed at the disposal of the Executive.

In compliance with these instructions, I have made numerous journeys in various parts of the State, and have prepared extensive collections of botanical specimens. I have also been greatly aided by several botanical friends, particularly by Dr. Asa Gray, who has devoted much time to the study of the plants of New-York, Dr. Peter D. Knieskern of Oriskany, and Dr. H. P. Sartwell of Penn-Yan. I am likewise indebted to many other botanists and naturalists for the communication of specimens, or localities of rare or interesting plants, among whom I take pleasure in naming Prof. Bailey of West-Point; I. Carey, Esq. of New-York; Dr. Hadley of Fairfield; Dr. Bradley of Greece; Dr. Emmons and Prof. Hall, of the geological corps, and Prof. Dewey of Rochester. I have also availed myself of information formerly received from many other botanists who have explored various parts of the State. To Dr. Crawe, I am indebted for some rare species from St. Lawrence and Jefferson counties; to Dr. Barratt, for

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valuable observations on the plants of the Highlands of New-York ; to Dr. Aiken, for specimens and remarks on the plants of the central parts of the State ; to Prof. Eaton, the late Mr. H. H. Eaton, and Dr. Wright, for information relating to the botany of Rensselaer county ; to Drs. L. C. Beck and Eights, for rare plants of Albany county and other parts of the State, and to Dr. Matthew Stevenson for a catalogue of the plants of Washington county, as well as for many valuable specimens. Other friends whose names appear in the following pages have rendered valuable assistance.

Although so much has been accomplished towards the preparation of a Flora of the State, it is not pretended that all the plants within our limits are yet discovered. Many interesting districts have not been visited, and even in those which have been most examined, new plants are not unfrequently found. A considerable number of species are extremely limited in their geographical range, and others disappear soon after flowering, so that unless a district be visited several times in a season, many plants may be overlooked.

The State of New-York is an interesting botanical region. The geographical range of plants being limited by the characters of the soil and rocks, as well as by temperature, and the geological features of the State being greatly diversified, our Flora contains a considerable number of genera and species that are not found in some of the neighboring districts. The extended tertiary and alluvial formations of Long-Island, afford many plants peculiar to this portion of the State, besides the species that are confined to the immediate neighborhood of the sea. Our primitive formation yields a great proportion of the species inhabiting the New-England States. In the central and western counties where transition-rocks abound, we find many plants of Ohio, Indiana, and the country bordering Lake Superior, while on the lofty mountains of Essex county a true alpine vegetation exists.

The whole number of species indigenous and naturalized in our State, including the lower orders of the cryptogamia, probably exceeds 2,400 species. It is however the phenogamous or flowering plants that have chiefly occupied my attention, although I have not neglected the cryptogamia tribes with the exception of the fungi, which are so perishable that few of them can be preserved for reference. Of phenogamous or flowering plants 1,350 species have been found within the limits of the State, and of ferns and plants allied to them, 53 species. The mosses

have not yet been carefully studied, but many specimens of them are preserved in my collection, and the number of them belonging to the State is estimated at 150. Of hepaticæ and characæ we have 30 species. The lichens are more than 150, and the number of fungi in the State is at least 300. The interesting tribe of the algæ includes a considerable number of species which are now receiving the special attention of Prof. Bailey of West-Point, from whom I expect to receive an account of them to annex to my final report.

Of the flowering plants already discovered in the State, 277 are trees or shrubs, 150 are reputed to possess medical properties, 250 are ornamental herbaceous species, and 140 are plants which have been introduced from other countries, and are now naturalized in our soil. Of proper grasses, our Flora contains 116 species, 24 of which are of foreign origin. In the nearly allied tribe of the sedges, there are 140 species, more than half of which belong to the genus *Carex*.

The following catalogue, embracing all the flowering plants and ferns hitherto detected in the State, is arranged according to the natural method. Only such synonyms are added as seemed necessary for distinguishing the species with certainty. I have also recorded the locality, general or special, of each plant, together with the time of flowering, popular names, and occasionally some remarks. The species that are believed to be naturalized, have the mark (§) placed before them.

It is my purpose in my final report to prepare full descriptions of all these plants, in as popular language as the subject will admit of, with particular attention to their economical and medicinal uses. It is desirable, however, before the publication of this report, to render our list of native plants as complete as possible, and it is my earnest desire that every botanist in the State, who may receive this catalogue, will communicate to me any species not herein enumerated. Localities of rare plants, and remarks on such as are useful, injurious or obscure, will enable me to prepare a more complete, and therefore more useful Flora, than I could give by my unassisted labors. I shall feel greatly obliged for local catalogues of plants, drawn up somewhat after the manner of the present list, with the precise time of flowering, and the period when the fruit or seed ripens. When there is any doubt as to the names of plants, dried specimens, with numbers annexed, can be sent to me for examination. It will always afford me pleasure to receive collections from any part of the State, and to name the plants which they contain.

In some cases, it will be well, in order to exhibit the natural appearance and colour of the flower and other parts, to send drawings of the plants, made from nature. Specimens and descriptions of medicinal plants, are particularly desired, with an account of their virtues and popular use. Also information respecting the various kinds of timber trees, the quantity, quality and uses of each species; notices of weeds and other injurious plants, with the best modes of eradicating them; and, in a word, any interesting facts relating to the economical or scientific botany of the State, will be thankfully received.

JOHN TORREY,

CATALOGUE OF PLANTS.

CLASS I. EXOGENS, OR MONOCOTYLEDONOUS PLANTS.

ORDER RANUNCULACEÆ. THE CROWFOOT TRIBE.

CLEMATIS, *Linn.* *Virgin's Bower.*

- ochroleuca, *Ait.* Long Island, near New-York. June.
- virginiana, *L.* *Common Virgin's Bower.* Hills and copses. Aug.
- verticillaris, *D. C.* Rocky places. April-May.

ANEMONE, *L.* *Wind Flower.*

- nemorosa, *L.* Woods. April-May.
- cylindrica, *Gray.* Western part of the State. May-June.
- virginiana, *L.* Rocky woods, &c. July.
- multifida, *D. C.* Var. hudsoniana, *D. C.* Watertown, Jefferson county, *Dr. Craue.* June. The only known locality of this plant in the State.
- pennsylvanica, *L.* Rocky places, near streams. June-July.

HEPATIC, *Dill.* *Liver-leaf, Liver-wort.*

- triloba, *Chaix.* Woods. March-April.

RANUNCULUS, *L.* *Crowfoot.*

- aquaticus, *L.* Var. capillaceus, *D. C.* Ponds and small streams. June-August.
- flammula, *L.* Inundated places. July-August.
- reptans, *L.* Borders of lakes and rivers, north and west of Albany. June-August.
- pusillus, *Poir.* Boggy places, near New-York, and on Long Island. July.
- cymbalaria, *Pursh.* Salt marshes along the seacoast of New-Jersey, and at Salina. August.

RANUNCULUS, (continued.)

- abortivus, *L.* Rocky woods. April-June.
- sceleratus, *L.* Ditches and overflowed places. June-August.
- Purshii, *Richardson.* *R. multifidus, Pursh.* *R. lacustris, Beck*
 & *Tracy.* Ponds and wet places. May-July.
- acris, *L.* *Buttercups.* Meadows and pastures. June.
- repens, *L.* *R. Clintonii, Beck.* *R. intermedius, Eaton.* Wet
 shady places. May-July.
- pennsylvanicus, *L.* Wet places, rare. June-August.
- recurvatus, *Poir.* Shady places, in rich soils. May-June.
- fascicularis, *Muhl.* Rocky woods. April-May.
- bulbosus, *L.* *Common Buttercups.* May. Introduced.

CALTHA, *L.* Marsh Marigold.

- palustris, *L.* Swamps. April-May.
- Var. integerrima, *Torr. & Gr.* *C. integerrima, Pursh.* Near
 Peekskill. *Dr. Crandell.*

TROLLIUS, *L.* Globe Flower.

- laxus, *Salisb.* Sphagnous swamps, western part of the State.
 May.

COPTIS, *Salisb.* Gold Thread.

- trifolia, *Salisb.* Swamps. May-June.

AQUILEGIA, *L.* Columbine.

- canadensis, *L.* Rocks. May-July.

DELPHINIUM, *L.* Larkspur.

- § consolida, *L.* *Common Larkspur.* Fields and road sides. July.

ACONITUM, *L.* Monkshood.

- uncinatum, *L.* Mountains, in wet places, Chenango county.
 Major I. Le Conte. This plant has not been
 found within the limits of this State, since it was
 discovered by Maj. Le Conte.

ACTÆA, *L.*

- alba, *Bigel.* *Baneberry, White Cohosh.* Rocky woods. May.
- rubra, *Bigel.* *Red Cohosh.* Rocky Woods. May.

CIMICIFUGA, *L.* Bugbane.

- racemosa, *Ell.* *Actæa racemosa, L.* *Blacksnake-root.* Dry
 woods. July.

THALICTRUM, L. Meadow Rue.

dioicum, L. Rocky woods. April-May.

cornuti, L. Wet meadows. June-July.

anemonoides, Michx. Woods, in rich soils. April-May

ORDER MAGNOLIACEÆ. THE MAGNOLIA TRIBE.**MAGNOLIA, L.**glauca, L. *Sweet Bay*. Swamps, Long Island. Not found elsewhere in the State. May-June.acuminata, L. *Cucumber Tree*. Lewiston and Portage, Dr. Sartwell. Also in Cattaraugus, where it is a tall tree with a trunk often more than four feet in diameter. Prof. I. Hall.umbrella, Lam. *Umbrella Tree*. "Northern part of the State of New-York." Michaux. No other botanist has found this tree within the limits of this State.**LIRIODENDRON, L. Tulip Tree.**tulipifera, L. *White-wood*. Woods. May-June.**ORDER MENISPERMACEÆ. THE MOONSEED TRIBE.****MENISPERMUM, L. Moonseed.**

canadense, L. Banks of rivers and thickets. June-July.

ORDER BERBERIDACEÆ. THE BARBERRY TRIBE.**BERBERIS, L.**♂ vulgaris, L. *Barberry Bush*. Hedges, fields. Not found far in the interior.**LEONTICE, L.**thalictroides, L. *Blue Cohosh*. Woods. April.**JEFFERSONIA, Bart. Twin-leaf.**

diphylla, Pers. Rich calcareous, northern and western parts of the State. April.

PODOPHYLLUM, L. May Apple.

peltatum, L. Woods and meadows. May.

ORDER CABOMBACEÆ. THE WATER-SHIELD TRIBE.

BRASENIA, *Schreb.* *Water Shield.*

peltata, Pursh. Floating in still water. July.

ORDER CERATOPHYLLACEÆ.

CERATOPHYLLUM, *L.* *Hornwort.*

echinatum, Gray. In ponds, or slow-flowing water. August.

ORDER NELUMBIACEÆ.

NELUMBIUM, *Juss.*

luteum, Willd. *Great Yellow Water Lily.* Sodus Bay, Lake Ontario. *Dr. Sartwell.* June.

ORDER NYMPHÆACEÆ. THE WATER-LILY TRIBE.

NYMPHÆA, *Tourn.* *White Water Lily.*

odorata, Ait. In water. June–September.

NUPHAR, *Smith.* *Yellow Pond Lily.*

lutea. Var. *Kalmiana, Torr. & Gr.* N. Kalmiana, *Pursh.* In water. June.

advena, Ait. *Spatterdock.* In water. June–August.

ORDER SARRACENIACEÆ.

SARRACENIA, *L.* *Sidesaddle Flower.*

purpurea, L. Swamps. May–June.

Var. *heterophylla.* *S. heterophylla, Eaton.* Junius, Seneca county. *Dr. Sartwell.* The flowers of this variety are of a dull yellow colour, and the leaves are somewhat different from those of the ordinary form; but the plant does not appear to be a distinct species.

ORDER PAPAVERACEÆ. THE POPPY TRIBE.

SANGUINARIA, *L.* *Blood-root.*

canadensis, L. Open woods. March–April.

CHELIDONIUM, L. *Celandine*.

♂ majus, L. Waste grounds, and along fences. May–October.

ORDER FUMARIACEÆ. THE FUMITORY TRIBE.**DIELYTRA, Borkh.**

cucullaria, D. C. *Breeches Flower*. Shady woods, in rich soil.
April.

canadensis, D. C. *Squirrel Corn*. Rocky woods. April.

eximia, D. C. *Fumaria eximia*, Ker. *D. formosa*, T. & G. not
of D. C. nor *Fumaria formosa*, Andr. *Corydalis*
formosa, Pursh. Yates county. Dr. Sartwell.

ADLUMIA, Raf.

cirrhusa, Raf. *Climbing Fumaria*. Shady rocks. July–Sept.

CORYDALIS, D. C.

aurea, Willd. Rocky woods. April–August.

glauca, Pursh. Rocky places. May–July.

FUMARIA, L. *Fumitory*.

♂ officinalis, L. Fields and cultivated grounds. May–August.

ORDER CRUCIFERÆ. THE CRUCIFEROUS TRIBE.**NASTURTIUM, R. Br.**

palustre, D. C. Wet places. June–August.

hispidum, D. C. Wet places. Highlands of New-York. Dr.
Barratt.

natans. Var. *americanum*, Gray. Oneida lake, Dr. Gray. Og-
densburgh, Dr. Craue, July.

BARBAREA, R. Br.

vulgaris, R. Br. *Winter Cress*. Along streams, and road sides.
May–June.

TURRITIS, Dill. *Tower Mustard*.

glabra, var. Torr. & Gr. Rocks, Watertown. Dr. Craue.

ARABIS, L. *Wall Cress*.

hirsuta, Scop. Rocky places. Rare.

lyrata, L. Rocks. April–May.

lævigata, D. C. Rocky woods, and along rivers. May,

canadensis, L. With the preceding. June–July.

CARDAMINE, *L.*

rotundifolia, *Michx.* *C. rhomboidea*, *D. C.* Wet meadows, and about shady springs. April–May.

pratensis, *L.* *Cuckoo Flower*. Swamps, western part of the State. April–May.

hirsuta, *L.* *C. pennsylvanica*, *Muhl.* *C. virginica*, *L.* Wet places, and on rocks. May–June.

DENTARIA, *L.* *Toothwort.*

laciniata, *Muhl.* Rich shady soils. April–May.

maxima, *Nutt.* Western part of the State. *Nuttall.* I have never found this plant, nor has it been observed by any other botanist save its discoverer.

diphylla, *Michx.* *Pepper Root*. Rich shady soils. April–May.

SISYMBRIUM, *Allioni.*

§ officinale, *Scop.* *Hedge Mustard*. Road sides, &c. May–August.

thaliana, *Gay.* Rocks and sandy fields. May.

ERYSIMUM, *L.* *Hedge Mustard.*

cheiranthoides, *L.* Along streams, in the interior of the State. July–August.

SINAPIS, *L.* *Mustard.*

§ nigra, *L.* *Black Mustard*, Fields and waste places. June–August.

§ arvensis, *L.* Wet meadows and fields. Common in the interior of the State. Called *Wild Mustard*, and *Charlock*.

DRABA, *L.*

arabisans, *Michx.* On rocks along the borders of lakes in the northern part of the State. May.

caroliniana, *Walt.* Sandy fields near New-York. April–June.

verna, *L.* *Whitlow Grass*. Fields and hill sides. March–April.

CAMELINA, *Crantz.* *Gold of Pleasure.*

§ sativa, *Crantz.* Fields and cultivated grounds. May–June.

THLASPI, *Dill.*

§ arvense, *L.* New-York. June–July. *Pursh.* I have not found this plant within the limits of the State.

LEPIDIUM, *L.* *Pepper-wort.*

♂ *campestre*, *L.* Waste places. June-July.

virginicum, *L.* Fields and road sides. June-August.

CAPSELLA, *Vent.* *Shepherd's Purse.*

♂ *bursa-pastoris*, *Mænoch.* Fields and waste places. May-Sept.

CAKILE, *Tourn.*

maritima, *Scop.* *Sea Rocket.* Seashore of Long Island. July-August.

ORDER CAPPARIDACEÆ. THE CAPER TRIBE.

POLANISIA, *Raf.*

graveolens, *Raf.* Gravelly banks of rivers and lakes. June-August.

ORDER POLYGALACEÆ. THE MILKWORT TRIBE.

POLYGALA, *Tourn.* *Milkwort.*

sanguinea, *L.* *P. purpurea*, *Nutt.* Fields and meadows. July-September.

cruciata, *L.* Sphagnous swamps. August-September.

verticillata, *L.* Dry sandy soils. June-October.

senega, *L.* *Seneca Snake-root.* Dry rocky woods. May-June.

polygama, *Walt.* Sandy fields and woods. June-July.

paucifolia, *Willd.* Sphagnous swamps. May.

Var. *alba.* Sand plains near Albany. *Dr. J. Eights.*

ORDER VIOLACEÆ. THE VIOLET TRIBE.

VIOLA, *L.* *Violet.*

pedata, *L.* Dry sandy woods. May-June.

palmata, *L.* Low grounds. May.

cucullata, *Ait.* Fields and woods, in damp soils. April-May.

Selkirkii, *Goldie.* Woody hill sides, western part of the State.

sagittata, *Ait.* *V. primulifolia*, *Pursh*, not of *L.* Hills and fields. April-May.

rotundifolia, *Michx.* Shady rocky woods. May.

blanda, *Willd.* Wet meadows. April-May.

primulæfolia, *L.* Wet meadows. April-June.

lanceolata, *L.* Wet meadows and swamps. April-May.

VIOLA, (continued.)

- striata*, Ait. Wet meadows. April-May.
Muhlenbergii, Torr. Swamps and shady woods. April-May.
rostrata, Pursh. Moist rocky places. May.
pubescens, Ait. Dry woods. April-May.
canadensis, L. Shady woods. May-July.
tricolor. Var. *arvensis*, D. C. Dry hills. May.

SOLEA, Ging.

- concolor*, Ging. Wet shady woods; western part of the State.
 April-May.

ORDER DROSERACEÆ. THE SUNDEW TRIBE.

DROSERA, L. *Sundew*.

- rotundifolia*, L. Sphagnous swamps. June-August.
longifolia, L. Sphagnous and sandy swamps. June-August.
filiformis, Raf. Wet sandy places, Suffolk county, Long Island.
 August-September.

PARNASSIA, Tourn. *Grass of Parnassus*.

- caroliniana*, Michx. Wet meadows. July-August.

ORDER CISTACEÆ. THE ROCK-ROSE TRIBE.

HELIANTHEMUM, Tourn.

- canadense*, Michx. Dry sandy places. June.

LECHEA, L.

- major*, Michx. Dry woods and hills. July-September.
thymifolia, Pursh. Sandy shore of Long Island. July-September.
minor, Lam. Dry fields and open woods. June-September.

HUDSONIA, L.

- ericoides*, L. Sandy woods, Suffolk county. May.
tomentosa, Nutt. Sandy fields near the sea, Suffolk county; and
 on Lake Champlain. May.

ORDER HYPERICACEÆ. THE ST. JOHN'S-WORT TRIBE.

HYPERICUM, L. *St. John's Wort*.

- pyramdatum*, Ait. Banks of rivers. July.
Kalmianum, L. Rocks, Falls of Niagara, &c. August.

HYPERICUM, (continued.)

- § perforatum, *L.* *Common St. John's Wort.* Fields, pastures, &c. July-August.
 corymbosum, *Muhl.* Open woods and meadows. July-August.
 ellipticum, *Hook.* Moist grounds along rivers, northern and western parts of the State.
 mutilum, *L.* *H. parviflorum, Muhl.* Low grounds. July-Sept.
 canadense, *L.* Wet sandy soils. June-August.
 sarothra, *Michx.* Sandy places. June-August.

ELODEA, *Adans.*

- virginica, *Nutt.* Swamps. July-August.

ORDER ILLECEBRACEÆ. THE KNOT-GRASS TRIBE.

ANYCHIA, *Michx.*

- dichotoma, *Michx.* Dry hills and woods. June-August.

SPERGULA, *Bartl.*

- § arvensis, *L.* Fields and waste places. May-October.
 rubra, *Torr. & Gr.* *Arenaria rubra, L.* Sandy fields and salt marshes April-November.

ORDER CARYOPHYLLACEÆ. THE PINK TRIBE.

MOLLUGO, *L.* *Indian Chickweed.*

- verticillata, *L.* Sandy soils. June-September.

HONCKENYA, *Ehrh.*

- peplodes, *Ehrh.* *Arenaria peplodes, L.* Seashore of Long Island.

SAGINA, *Bartl.* *Pearl-wort.*

- procumbens, *L.* Wet ground. May-August.
 erecta, *L.* Dry hills near New-York. May.

ARENARIA, *L.* *Sand-wort.*

- squarrosa, *Michx.* Sandy fields, Suffolk county. April-Sept.
 stricta, *Michx.* Rocks and barren places, northern and western part of the State. May-July.
 groenlandica, *Spreng.* Crevices of rocks on the highest summits of the Shawangunk and Adirondack mountains. July-August.

ARENARIA, (continued.)

- ♂ serpyllifolia, *L.* Sandy field, and on rocks. April-July.
 lateriflora, *L.* Damp, rather shady places. June.

STELLARIA, *L.* *Stitch-wort.*

- ♂ media, *Smith.* Fields & cultivated grounds. March-December.
 longifolia, *Muhl.* Damp shady places. June.
 borealis, *Bigel.* Wet shady swamps. Western and northern
 parts of the State.

CERASTIUM, *L.* *Mouse-ear Chickweed.*

- ♂ vulgatum, *L.* Cultivated grounds, road sides, &c. April-September.
 ♂ viscosum, *L.* Fields, &c. May-September.
 arvense, *L.* Rocky places. May-July.
 oblongifolium, *Torr.* Rocky hills. April-June.
 nutans, *Raf.* Low moist grounds. May.

SILENE, *L.* *Catch-fly.*

- stellata, *L.* Dry woods. June-August.
 antirrhina, *L.* Dry stony places. April-June.
 ♂ nocturna, *L.* Old fields. July-August.
 pennsylvanica, *Michx.* Dry rocks. April-June.
 virginica, *L.* Yates county. *Dr. Sartwell.*

LYCHNIS, *D. C.*

- ♂ githago, *Lam.* *Agrostema githago, L.* *Corn Cockle.* Cultivated fields. June.

SAPONARIA, *L.* *Soap-wort.*

- ♂ officinalis, *L.* Waste grounds. July-August.
 ♂ vaccaria, *L.* Cultivated places. July-August.

ORDER PORTULACACEÆ. THE PURSELANE TRIBE.

PORTULACA, *L.*

- ♂ oleracea, *L.* *Purselane.* Cultivated and waste places. July-August.

CLAYTONIA, *L.* *Spring Beauty.*

- virginica, *L.* Low grounds and moist woods. March-May.
 caroliniana, *Michx.* Woods, usually in highlands; northern and western parts of the State. April.

ORDER ELATINACEÆ. THE WATER-PEPPER TRIBE.

ELATINE, *L.* *Water-wort.*

americana, *Arn.* *Crypta minima*, *Nutt.* Overflowed borders of ponds, Long Island. July–September.

ORDER LINACEÆ. THE FLAX TRIBE.

LINUM, *L.* *Flax.*

virginianum, *L.* Dry hills and woods. May–August.

§ *usitatissimum*, *L.* *Common Flax.* Fields, &c. June–July.

ORDER GERANIACEÆ. THE GERANIUM TRIBE.

GERANIUM, *L.*

maculatum, *L.* Open woods, &c. April–July.

carolinianum, *L.* Dry barren soils. May–June.

pusillum, *L.* Fields and road sides. Long Island, and western part of the State. May–July. West Point. *Prof. Bailey.*

robertianum, *L.* *Herb Robert.* Wet rocks. June–October.

dissectum, *L.?* Yates county. *Dr. Sartwell.*

ERODIUM, *L'Her.* *Cranesbill.*

§ *cicutarium*, *L'Her.* Island in Oneida lake. *Dr. Kneiskern.*

ORDER BALSAMINACEÆ. THE BALSAM TRIBE.

IMPATIENS, *L.* *Lady's Slipper. Balsam.*

pallida, *Nutt.* Moist shady places. July–September. Rare near the seacoast.

fulva, *Nutt.* Wet shady places. June–September.

ORDER LIMNANTHACEÆ.

FLÆRKEA, *Willd.*

proserpinacoides, *Willd.* Wet places, in the interior of the State. April–May.

ORDER OXALIDACEÆ. THE WOOD-SORREL TRIBE.

OXALIS, *L.* *Wood Sorrel.*

acetosella, *L.* Woods, west and north of Catskill mountains. June.

OXALIS, (continued.)

violacea, *L.* Rocky woods. April-May.

stricta, *L.* Cultivated grounds, fields, &c. June-September.

ORDER ZANTHOXYLACEÆ.

ZANTHOXYLUM, *L.*

americanum, *Mill., Torr. & Gr.* *Z. fraxineum, Willd.* Prickly Ash. Rocky woods. April-May.

PTELEA, *L.*

trifoliata, *L.* Shrubby Trefoil. Shore of Lake Erie. June.

ORDER ANACARDIACEÆ. THE CASHEW TRIBE.

RHUS, *L.* Sumac.

typhina, *L.* Stag's-horn Sumac. Rocky hills. June.

glabra, *L.* Smooth Sumac. Rocky places. July-August.

copallina, *L.* Mountain Sumac. Rocky hills. July-August.

venenata, *D. C.* Poison Sumac, Poison Elder. Swamps. June.

toxicodendron, *L.* Poison Oak, Poison Ivy. Borders of woods, &c. June.

Var. radicans, *Torr.* *R. radicans, L.* Poison Ivy, Mercury, &c. Woods, and along fences. June.

aromatica, *Ait.* Dry rocky places. Catskill, &c. April-May.

ORDER MALVACEÆ. THE MALLOW TRIBE.

MALVA, *L.* Mallows.

§ rotundifolia, *L.* Road sides and waste grounds. May-Sept.

ALTHÆA, *L.* Marsh Mallow.

§ officinalis, *L.* Borders of salt marshes, Flushing, Oysterbay, &c. Long Island. August-September.

ABUTILON, *Dill.*

§ avicennæ, *Gært.* *Sida abutilon, L.* Waste places, Road sides, &c. August-September.

HIBISCUS, *L.*

virginicus, *L.* Borders of salt marshes, Long Island.

moscheutos, *L.* Mallow Rose. Borders of marshes, particularly near the salt water. August-September.

ORDER TILIACEÆ. THE LINDEN TRIBE.

TILIA, L. *Linden or Lime Tree. Bass-wood.*

americana, L. Woods. June.

ORDER VITACEÆ. THE VINE TRIBE.

VITIS, L. *Vine.*

labrusca, L. *Fox Grape.* Woods and thickets. June.

æstivalis, Michx. *Summer Grape.* Woods and river banks.
June.

riparia, Michx. *Winter Grape.* Thickets along rivers.

AMPELOPSIS, Michx.

quinquefolia, Michx. *Virginian Creeper, American Joy.* Borders of woods, and along fences. July.

ORDER ACERACEÆ. THE MAPLE TRIBE.

ACER, L. *Maple.*

pennsylvanica, L. *Striped Maple, Moose-wood, Dog-wood.*
Mountain woods. May.

spicatum, Lam. *Mountain Maple.* Rocky hills. May-June.

saccharinum, Wang. *Sugar Maple.* Woods. April-May.

dasycarpum, Ehrh. *White Maple, Soft Maple, Silver-leaved Maple.* Banks of rivers, Fishkill, &c. March-April.

rubrum, L. *Red or Swamp Maple.* Swamps and borders of streams. March-April.

ORDER CELASTRACEÆ.

STAPHYLEA, L. *Bladder-nut.*

trifolia, L. Rocky woods, particularly along rivers. May.

CELASTRUS, L.

scandens, L. *Bittersweet, Wax-work.* Borders of woods, fences, &c. June.

EUONYMUS, L. *Spindle Tree.*

atropurpureus, Jacq. *Burning Bush.* Shady woods. June-July.

americanus, L. *Strawberry Tree.* Wet woods and swamps. June.

ORDER RHAMNACEÆ. THE BUCKTHORN TRIBE.

RHAMNUS, *L.* *Buckthorn.*

catharticus, *L.* Rocky woods, Highlands of New-York. *Dr. Barratt.*

alnifolius, *L'Her.* Sphagnous swamps. May-June.

CEANOTHUS, *L.*

americanus, *L.* *New-Jersey Tea.* Woods and copses. June-July.

ovalis, *Bigel.* Barren rocky places, northern counties. May.

ORDER LEGUMINOSÆ. THE BEAN TRIBE.

VICIA, *L.* *Vetch.*

americana, *Muhl.* Shady moist places. June.

cracca, *L.* Borders of woods, &c. April-June.

caroliniana, *Walt.* Banks of rivers. April-May.

♂ sativa, *L.* *Common Vetch, Tare.* Fields, &c. July.

ERVUM, *L.* *Tare.*

♂ ? hirsutum, *L.* Borders of rivers. May-June.

LATHYRUS, *L.*

maritimus, *Bigel.* *Pisum maritimum, L.* Sandy shores and hill sides, particularly near salt water. June-July.

ochroleucus, *Hook.* Sandy hill sides. June-July.

myrtifolius, *Muhl.* Banks of rivers, &c. July-August.

palustris, *L.* Wet borders of streams. July-August.

PHASEOLUS, *L.* *Kidney Bean.*

perennis, *Walt.* Woods and borders of swamps. July-August.

diversifolius, *Pers.* Sandy shores. August-October.

helvolus, *L.* Sandy fields. August-September.

APIOS, *Boerh.*

tuberosa, *Mæneh.* Moist shady places. July.

AMPHICARPÆA, *Elliott.*

monoica, *Torr. & Gr.* Woods and thickets. August-September.

ROBINIA, *L.* *Locust Tree.*

pseudacacia, *L.* *Common Locust.* Not indigenous in this State, but almost naturalized in some places. May-June.

TEPHROSIA, *Pers.*

virginiana, *Pers.* Dry sandy soils. June-July.

TRIFOLIUM, *L.* *Clover, Trefoil.*

§ arvense, *L.* *Stone Clover, Rabbit-foot.* Dry soils. June-August.

§ pratense, *L.* *Red Clover.* Meadows, fields, &c. May-Sept.

repens, *L.* *White Clover.* Pastures, &c. April-November.

§ agrarium, *L.* *Hop Clover.* Sandy soils. June-August.

MELILOTUS, *Tourn.* *Melilot.*

§ officinalis, *Willd.* *Yellow Melilot.* River banks. June-August.

leucantha, *Koch.* *White Melilot.* River banks. June-August.

MEDICAGO, *L.* *Medick.*

§ sativa, *L.* *Lucerne.* Fields. June-July.

§ lupulina, *L.* Fields and cultivated grounds. June-August.

ASTRAGALUS, *L.* *Milk Vetch.*

canadensis, *L.* Rocky banks of rivers. June-August.

PHACA, *L.* *Bastard Vetch.*

neglecta, *Torr. & Gr.* Gravelly banks of rivers and lakes, western counties. June-July.

STYLOSANTHES, *Swartz.*

elator, *Swartz.* Sandy woods, Suffolk county. July-August.

DESMODIUM, *D. C.*

nudiflorum, *D. C.* Dry rocky woods. July-August.

acuminatum, *D. C.* Dry woods. July.

canadense, *D. C.* Dry woods. August.

canescens, *D. C.* Moist rich soils. July-August.

Dillenii, *Darlingt.* Rich woodlands. August.

cuspidatum, *Torr. & Gr.* *D. bracteatum, D. C.* Banks of rivers, and rocky thickets. August.

marilandicum, *Boott., (D. C.?)* *Hedysarum marilandicum, L.*
H. obtusum, Willd. &c. Fields and woods.
 July-August.

rigidum, *D. C.* Hill sides. August-September.

ciliare, *D. C.* Borders of woods, &c. August.

paniculatum, *D. C.* Dry woods and copses. August.

rotundifolium, *D. C.* Rocky woods. August.

LESPEDeza, Michx.

procumbens, *Michx.* Sandy fields and hill sides. August.

repens, *Torr. & Gr. L. prostrata, Pursh.* Sandy fields. Aug.
violacea, *Pers., Torr. & Gr. (L. divergens.)*

Var. 1. sessiliflora, *Torr. & Gr. L. sessiliflora, Michx.*

Var. 2. angustifolia, *Torr. & Gr. L. reticulata, Pers.*

Dry woods and thickets. August–September.

capitata, *Michx. L. frutescens, Ell.* Sandy fields, &c. August–
September.

hirta, *Ell. L. polystachya, Michx.* Sandy fields. August–
September.

LUPINUS, L. Lupine.

perennis, *L. Wild Lupine.* Sandy woods. June.

CROTALARIA, L. Rattlebox.

sagittalis, *L.* Dry woods and sandy fields. July–August.

BAPTISIA, Vent.

tinctoria, *R. Br. Wild Indigo.* Sandy woods and fields. July–
August.

GLEDITSCHIA, L.

triacanthos, *L. Honey Locust.* Not indigenous in this State,
but often planted about houses, and nearly natu-
ralized in some places.

CASSIA, L.

marilandica, *L. Wild Senna.* Banks of streams. July–August.

nictitans, *L. Wild Sensitive Plant.* Sandy places. August.

chamæcrista, *L. Magothy-bay Bean.* Sandy places. July–
August.

CERCIS, L. Judas Tree.

canadensis, *L. Niagara county?*

ORDER ROSACEÆ. THE ROSE TRIBE.**PRUNUS, Tourn. Plum.**

americana, *Marshall. P. nigra, Ait. Yellow Plum.* Banks of
streams, borders of fields, &c. April.

maritima, *Wang. P. sphærocarpa, Michx. P. pygmæa, Willd.*
P. littoralis, Bigel. Beach Plum. Sandy fields

and hill sides near the seacoast, Long Island.
May.

CERASUS, Juss. Cherry.

pumila, Michx. *Sand Cherry.* Rocky or sandy shores. May.
pennsylvanica, Loisel. *C. borealis, Michx.* Rocky woods. May.
virginiana, L. *P. serotina, Torr. fl., Beck,*
‡c.; not of *Ehrh.* *Choke-Cherry.* Rocky
hills. May.

serotina, Loisel. *Prunus serotina, Ehrh.* *Cerasus virginiana,*
Michx. *Wild Cherry, Black Cherry.* Woods.
June.

SPIRÆA, L. Meadow-sweet.

opulifolia, L. *Nine-bark.* Rocky river banks. June.
salicifolia, L. *Queen of the Meadow.* Along brooks, and on
rocky hills. June-July.
tomentosa, L. *Steeple-bush, Hardhack.* Low grounds. July.

GILLENIA, Mæneh.

trifoliata, Mæneh. *Indian Physic, Bowman's-root.* Woods. June.
stipulacea, Nutt. Western part of the State. *David Thomas, Esq.*

SANGUISORBA, L. Burnet Saxifrage.

canadensis, L. Wet meadows, &c. August-September.

AGRIMONIA, L. Agrimony.

eupatoria, L. Dry woods and fields. July.

POTENTILLA, L. Cinquefoil.

fruticosa, L. Bog meadows. June-September.
arguta, Pursh. Rocky hills. June.
argentea, L. Rocks and barren fields. June-September.
canadensis, L. *P. simplex, Michx.* *Five-finger, Barren Straw-*
berry. Fields and woods. April-August.
‡? norvegica, L. Old fields, &c. June-August.
tridentata, Ait. Clefts of rocks, on mountains. June-July.
palustris, Scop. *Comarum palustre, L.* Swamps. June.

GEUM, L. Avens.

canadense, Murr. *G. strictum, Ait.* Swamps and fields. July.
virginianum, L. *G. album, Gmel.* Woods, &c. June-July.
rivale, L. *Water Avens.* Bogs and wet meadows. May-June.

COMAROPSIS, Richard.

fragarioides, *D. C.* Woods. May-June.

DALIBARDA, L.

repens, *L.* Moist shady places. June-August.

FRAGARIA, L. Strawberry.

virginiana, *Mill.* Wild Strawberry. Old fields, &c. May-June.

canadensis, *Michx.* Rocky hills. May-June.

RUBUS, L. Bramble.

odoratus, *L.* Flowering Raspberry. Rocky places. June-Aug.

strigosus, *Michx.* Red Raspberry. Rocks and hill sides. May.

occidentalis, *L.* Black Raspberry, Thimble-berry. Borders of woods, and in thickets. May.

cuneifolius, *Pursh.* Sandy fields, Long Island. May-June.

villosus, *Ait.* Blackberry, High Blackberry. Old fields, &c. May-June.

procumbens, *Muhl.* *R. trivialis*, *Pursh.* *R. hispidus*, *D. C.*

hispidus, *L.* *R. obovalis*, *Michx.* *R. obovatus*, *Pers.*, *Darlingt.* Shady swamps. June.

triflorus, *Richards.* *R. saxatilis*, var. *canadensis*, *Michx.* *R. canadensis*, *Torr. fl.* Swamps. June.

ROSA, L. Rose.

♀ *rubiginosa*, *L.* Sweet Brier. Fields, &c. June.

carolina, *L.* Swamp Rose. Wet thickets. June-July.

parviflora, *Ehrh.* *R. caroliniana*, *Michx.* Old fields, &c. June.

CRATÆGUS, Lindl. Hawthorn.

crus-galli, *L.* Cockspur Thorn, Newcastle Thorn. Borders of woods, &c. June.

punctata, *Ait.* Woods and along streams. May-June.

pyrifolia, *Ait.* Rocky woods, &c. May-June.

coccinea, *L.* White Thorn. Borders of woods. May.

AMELANCHIER, Medic., D. C.

canadensis, *Torr. & Gr.* *Mespilus canadensis*, *L.* Shad-flower, June-berry, Snowy Medlar.

Var. 1. *botryapium*, *Torr. & Gr.* *A. botryapium*, *D. C.*

Var. 2. *oligocarpa*, *Torr. & Gr.* *Pyrus sanguinea*, *Pursh.*

Var. 3. *rotundifolia*, *Torr. & Gr.* *Aronia ovalis*, *Pers.*

Var. 4. *oblongifolia*, *Torr. & Gr.*

Rocky woods and low grounds. April-May.

PYRUS, *Lindl.* *Apple, Pear, &c.*

♂ *malus*, *L.* *Apple Tree*. Naturalized in some places. May.
coronaria, *L.* *Sweet-scented Crab-apple*. Woods. April-May.
aucuparia, *Gært.* *Sorbus aucuparia*, *L.*, *Michx.* *S. americana*
 and *microcarpa*, *Pursh.* *Mountain Ash*. Mountain
 swamps and shady hill sides. May. Not
 found south of the Highlands.

arbutifolia, *L. f.*

Var. 1. *erythrocarpa*. *P. arbutifolia*, *D. C.*

Var. 2. *melanocarpa*. *P. melanocarpa*, *D. C.*

Choke-berry. Woods and hill sides. May-June.

ORDER MELASTOMACEÆ.

RHEXIA, *L.*

virginica, *L.* *Deer Grass*. Swamps. August.

ORDER LYTHRACEÆ. THE LOOSE-STRIFE TRIBE.

LYTHRUM, *L.* *Loose-strife*.

hyssopifolia, *L.* In the State of New-York. *Nuttall*.

CUPHEA, *L.*

viscosissima, *Jacq.* Fields, &c. northern and western counties.
 September.

DECODON, *Gmel.*

verticillatum, *Ell.* Swamps. August.

ORDER ONAGRACEÆ. THE EVENING PRIMROSE TRIBE.

EPILOBIUM, *L.* *Willow Herb*.

angustifolium, *L.* *E. spicatum*, *Lam.* Banks of rivers and low
 grounds. July.

alpinum, *L.* Adirondack mountains. August.

coloratum, *Muhl.* Wet places. July-August.

molle, *Torr.* *E. strictum*, *Muhl.* Sphagnous swamps. August.

palustre, *L.* Swamps. August.

Var. *albiflorum*, *Lehm.* *E. oliganthum*, *Michx.* *E. squamatum*,
Nutt. Sphagnous swamps. August-September.

GAURA, *L.*

biennis, *L.* Dry soil, river banks, &c. August.

ŒNOTHERA, L. Evening Primrose.

pumila, L. Œ. chrysantha and pusilla, Michx. Fields and meadows. June-July.

fruticosa, L. Œ. canadensis, Goldie. Dry places. June-Aug.

Var. ambigua, Nutt. Stony fields. August.

biennis, L. Œ. grandiflora, Ait. Œ. parviflora, L. Fields and meadows. June-August.

LUDWIGIA, L.

palustris, Ell. Stagnant water. July-October.

alternifolia, L. Swamps. July-August.

CIRCŒA, Tourn. Enchanter's Nightshade.

lutetiana. Var. 1. canadensis, L.

Var. 2. alpina. C. alpina, L.

Damp shady woods. July-August.

SUB-ORDER HALORAGÆ.**PROSERPINACA, L. Mermaid Weed.**

palustris, L. In water. July-August.

MYRIOPHYLLUM, Vaill. Water Milfoil.

spicatum, L. Deep water. July-August.

verticillatum, L. Ponds and streams. July-September.

heterophyllum, Michx. Ponds and streams. July-September.

ambiguum, Nutt. Ponds and muddy places, Long Island. July-August.

tenellum, Bigel. Borders of ponds, northern counties. August.

HIPPURIS, L. Mare's-tail.

vulgaris, L. Ponds and lakes, Schenectady, Dr. Beck. Cayuga lake, Dr. I. Smith. Ditches near Coldspring, Putnam county, Prof. Bailey.

ORDER CALLITRICHACEÆ. THE WATER-CHICKWEED TRIBE.**CALLITRICHE, L. Water Chickweed.**

verna, L. C. heterophylla, Pursh. In water. May-September.

Var.? linearis. C. linearis, Pursh. In water. August.

Var.? terrestris. C. terrestris, Raf. Muddy places. July.

ORDER CUCURBITACEÆ. THE GOURD TRIBE.

SICYOS, *L.* *Single-seeded Cucumber.*

angulatus, L. Cultivated grounds and river banks. August.

HEXAMERIA, *Torr. & Gr.*

echinata, Torr. & Gr. *Momordica echinata, Willd.* *Sicyos lobatus, Michx.* Moist alluvial soils. August.

ORDER GROSSULARIACEÆ. THE CURRANT TRIBE.

RIBES, *L.* *Currant and Gooseberry.*

prostratum, L'Herit. *R. rigens* and *trifidum, Michx.* Rocky places; northern and western counties. May.

floridum, L'Herit. *R. recurvatum, Michx.* *Wild Black Currant.* Woods and hedges. May.

hirtellum, Michx. *R. saxosum, Hook.* Rocky places. May.

rotundifolium, Michx. *R. triflorum, Willd.* *Wild Gooseberry.* Rocky woods, and on mountains. May-June.

lacustre, Poir. Catskill mountains. May-June.

cynosbati, L. Mountain woods. May-June.

ORDER CACTACEÆ. THE CACTUS TRIBE.

OPUNTIA, *Tourn.* *Indian Fig.*

vulgaris, D. C. *Cactus opuntia, L.* *Prickly Pear.* Rocks, and in sand. June-July.

ORDER CRASSULACEÆ. THE HOUSE-LEEK TRIBE.

SEDUM, *L.* *Stone-crop.*

telephioides, Michx. Rocks on Seneca lake. *Prof. J. Hall.*

PENTHORUM, *L.*

sedoides, L. Low wet places. July-August.

ORDER SAXIFRAGACEÆ. THE SAXIFRAGE TRIBE.

SAXIFRAGA, *L.* *Saxifrage.*

virginiensis, Michx. Rocks. April-May.

pennsylvanica, L. Swamps and bogs. May-June.

CHRYSOSPLENIUM, L. Golden Saxifrage.

americanum, *Schwein.* C. oppositifolium, *Michx.* and most American botanists; not of *Linn.* In water. April-May.

MITELLA, L. False Sanicle, Bishop's Cap.

diphylla, *L.* Rocky wet banks. May.

nuda, *L.* M. cordifolia, *Lam.* M. prostrata, *Michx.* Moist rocky places. May-June.

TIARELLA, L. Mitre-wort.

cordifolia, *L.* Rocky woods. May-June.

HEUCHERA, L. Alum-root.

americana, *L.* Shady rocks. June-July.

ORDER HAMAMELACEÆ. THE WITCH HAZEL TRIBE**HAMAMELIS, L. Witch Hazel.**

virginiana, *L.* Woods. October-November.

ORDER UMBELLIFERÆ. THE UMBELLIFEROUS TRIBE.**HYDROCOTYLE, L. Marsh Penny-wort.**

umbellata, *L.* Var. umbellulata, *D. C.* Sandy swamps, Long Island. July-August.

americana, *L.* Moist shady places and swamps. July.

CRANTZIA, Nutt.

linearis, *Nutt.* Muddy banks of rivers, West Point. *Prof. Bailey.*

SANICULA, L. Sanicle.

marilandica, *L.* Woods. June-August.

CICUTA, L.

maculata, *L.* Water Hemlock. Wet grounds. July-August.

bulbifera, *L.* Swamps. August.

ZIZIA, Koch.

aurea, *Koch.* Rocky hills. June.

cordata, *Koch.* Meadows, and banks of rivers. May-June.

integerrima, *D. C.* Dry hills. May.

DISCOPLEURA, *D. C.*capillacea, *D. C.* Brackish swamps. July–September.CRYPTOTÆNIA, *D. C.*canadensis, *D. C.* Chærophylloides canadense, *Pers.* Hone-wort.
Woods. June.SIUM, *L.* Water Parsnip.latifolium, *L.* *S. lineare*, *Michx.* Swamps. July.SELINUM, *L.*canadense, *Michx.* Cnidium canadense, *Spreng.* Swamps, Oriskany, Oneida county. August.BUPLEURUM, *L.* Modesty, Thoroughwax.♂ rotundifolium, *L.* Cultivated grounds and waste places. Aug.ANGELICA, *L.*atropurpurea, *L.* Common Angelica. Low grounds. June.hirsuta, *Muhl.* *A. triquinata* of American authors; not of *Michx.*
Dry thickets, and borders of woods. August.ARCHEMORA, *D. C.*rigida, *D. C.* Sium rigidius, *L.* Cowbane. Swamps. August.PASTINACA, *L.* Parsnep.♂ sativa, *L.* Common Parsnep. Old fields. June–August.HERACLEUM, *L.* Cow Parsnep.lanatum, *L.* Low grounds. June.DAUCUS, *L.* Carrot.♂ carota, *L.* Fields and road sides. July–September.OSMORHIZA, *Raf.*longistylis, *D. C.* Sweet Cicely. Woods, in rich soil. May.brevistylis, *D. C.* Shady rocky woods. May.CONIUM, *L.* Hemlock.♂ maculatum, *L.* Poison Hemlock. Waste places. June–July.

ORDER ARALIACEÆ. THE ARALIA TRIBE.

ARALIA, *L.*nudicaulis, *L.* Wild Sarsaparilla. Rocky woods. May–June.

ARALIA, (continued.)

racemosa, *L. Spikenard*. Woods. July.

hispida, *L. Wild Elder*. Rocks. July.

PANAX, *L. Ginseng*.

quinquefolium, *L. Common Ginseng*. Woods. July.

trifolium, *L. Dwarf Ginseng, Ground-nut*. Moist shady woods.
April.

ORDER CORNACEÆ. THE DOG-WOOD TRIBE.

CORNUS, *L. Dog-wood*.

canadensis, *L. Dwarf Dog-wood*. Woods and swamps. May-June.

florida, *L. Common Dog-wood*. Woods. May.

circinata, *L'Herit*. Margins of streams. June.

sericea, *L'Herit*. Swamp Dog-wood. Low grounds. June.

stolonifera, *Michx.* *C. alba*, of American botanists; not of *Linn.*

Wet banks of streams, and swamps. June.

paniculata, *L'Herit*. Banks of streams. June.

alternifolia, *L.* Shady woods. May-June.

ORDER CAPRIFOLIACEÆ. THE HONEYSUCKLE TRIBE.

SAMBUCUS, *L. Elder*.

canadensis, *L. Common Elder*. Low grounds, &c. June-July.

pubens, *Michx.* Red-berried Elder. Rocky woods. May.

VIBURNUM, *L.*

prunifolium, *L. Black Haw, Sloe*. Woods. May-June.

lentago, *L.* Woods, along streams. May.

cassinioides, *L.*; not of authors. Swamps, northern counties.

nudum, *L.* Swamps. June.

dentatum, *L.* Moist rocky places. June.

pubescens, *Pursh*. Rocks. June.

lantanoides, *Michx.* Hobble-bush. Mountain woods. May-June.

acerifolium, *L.* Arrow-wood, Dogmackie. Woods. June.

oxycoccus, *Pursh*. Bush Cranberry. Rocky woods. June.

TRIOSTEUM, *L.*

perfoliatum, *L. Fever-root, Horse Gentian, Wild Coffee*. Rocky woods. May-June.

DIERVILLA, Tourn.

Tournefortii, Michx. Rocky woods. June-July.

LONICERA, L. Honeysuckle.

flava, Sims. Catskill mountains. June-July. *Pursh.*

hirsuta, Eaton. *Caprifolium pubescens, Goldie.* Rocky woods.
June.

parviflora, Lam. Rocky woods. June.

grata, Ait. Mountains, New-York. *Pursh.* I have not found this
species.

ciliata, Muhl. Rocky hills. May-June.

cærulea, L. L. villosa, Muhl. *Xylosteum villosum, Michx.* X.
solonis, *Eat.* Rocky hills, Poughkeepsie. May.

oblongifolia, Hook. *Xylosteum oblongifolium, Goldie.* Rocks.
June.

sempervirens, Ait. Rocks near water, Island of New-York. May.

SYMPHORICARPOS, Dill.

vulgaris, Michx. *Symphoria glomerata, Pers.* Yates county.
Dr. Sartwell.

racemosus, Michx. Rocky river banks. July.

LINNÆA, Gronov.

borealis, L. *Twin-flower.* Shady moist woods and swamps.

ORDER RUBIACEÆ. THE MADDER TRIBE.**HEDYOTIS, L., Hook.**

glomerata, Ell. Damp shady soils, near New-York. August.

cærulea, Hook. *Houstonia cærulea, L.* Wet banks and woods.
April-September.

longifolia, Hook. *Houstonia longifolia, Michx.* Woods, &c. June.

ciliolata, Hook. *Houstonia ciliolata, Torr.* Wet rocks and banks,
near the Great Lakes. June-July.

MITCHELLA, L. Partridge-berry.

repens, L. Woods. June.

CEPHALANTHUS, L. Button-bush.

occidentalis, L. Swamps and along streams. July-August.

GALIUM, L. Bedstraw, Goose-grass.

trifidum, L. Low wet places. July.

GALIAM, (continued.)

- tinctorium, *L.* Moist shady woods. June-July.
 asprellum, *Michx.* Wet thickets. July.
 aparine, *L.* Shady rocky places, and along fences. May.
 triflorum, *Michx.* Moist woods. July.
 pilosum, *Ait.* Dry woods and thickets. June.
 circæzans, *Michx.* Woods, in rich soil. June-July.
 lanceolatum, *Torr.* Moist woods. July.
 boreale, *L.* Dry woods. July-August.

ORDER VALERIANACEÆ. THE VALERIAN TRIBE.

FEDIA, *Mænoch.* *Lamb Lettuce.*

- radiata, *Michx.* Meadows and banks of rivers. May.

VALERIANA, *L.* *Valerian.*

- sylvatica, *Richardson.* Sphagnous swamps in Wayne county
Dr. Sartwell.

ORDER DIPSACEÆ. THE SCABIOUS TRIBE.

DIPSACUS, *L.* *Teasel.*

- ♂ sylvestris, *L.* *Wild Teasel.* Waste places. July.

ORDER COMPOSITÆ.

VERNONIA, *Schreb.* *Iron-weed.*

- noveboracensis, *Willd.* Low grounds. August.

LIATRIS, *Schreb.* *Blazing Star.*

- scariosa, *Willd.* Sandy fields. September.
 flexuosa, *Thomas, in Sill. Jour. Oct. 1839.*

EUPATORIUM, *L.*

- sessilifolium, *L.* Rocky woods. August.
 perfoliatum, *L.* *Boneset, Thoroughwort.* Wet grounds. August.
 purpureum, *L.* *E. verticillatum, Willd.* Low grounds. August.
 maculatum, *L.* *E. trifoliatum, L.* *E. ternifolium, Ell., D. C.*
 Swamps, and borders of wet woods. August.
 Perhaps not distinct from the preceding.
 ageratoides, *L. f.* Woods and rocky banks. August-September.
 teucrifolium, *Willd.* Low grounds. August.

MIKANIA, *Willd.*

scandens, *Willd.* Wet thickets. August.

NARDOSMIA, *Cass.*

palmata, *Hook.* *Tussilago palmata*, *Ait.* Swamps near Saratoga.
Dr. Steele.

TUSSILAGO, *Tourn. Coltsfoot.*

farfara, *L.* Moist banks. April. Introduced?

ASTER, *L. Starwort.*

novæ-angliæ, *Ait.* Low grounds. September.

patens, *Ait.* *A. amplexicaulis*, *Michx.* Dry woods. August-September.

phlogifolius, *Muhl.* Dry woods. August.

cordifolius, *L.* Woods. September.

paniculatus, *Ait.* Dry woods. August-September.

heterophyllus, *Willd.* Rocky banks and thickets. September.

diversifolius, *Michx.* Dry woods. September.

prenanthoides, *Muhl.* Low grounds. September.

puniceus, *L.* Swamps. September.

novæ-belgii, *L.* Near Albany. *Dr. Beck.*

parviflorus, *Nees.* Old fields. September.

divergens, *Ait.* Fields and thickets. September.

fragilis, *Willd.* Swamps. September.

trascanti, *L.* Thickets. August-October.

ericoides, *L.* Wet bushy places. September.

diffusus, *Ait.* Old fields. September.

miser, *L.* Old fields. September-October.

multiflorus, *Ait.* Fields and dry banks. September.

concinus, *Willd.* Swamps. September.

mutabilis, *Ait.* Rocky river banks. September.

lævis, *L.* Moist shady banks. September.

rubricaulis, *Lam.* *A. cyaneus*, *Hoffm.* Borders of woods. Sept.

bellidiflorus, *Willd.* Meadows. September.

A few other species of this genus have been collected, but not determined.

TRIPOLIUM, *Nees.*

flexuosum, *Nees.* *Aster flexuosus*, *Nutt.* Salt marshes. Sept.

subulatum, *Nees.* *A. subulatus*, *Michx.?* Salt marshes.

SERICOCARPUS, Nees.

solidaginoides, *Nees*. *Aster solidaginoides*, *Willd.* Dry woods.
July–August.

conyzoides, *Nees*. *Aster conyzoides*, *Willd.* Dry woods and
thickets. July–August.

HELEASTRUM, D. C.

album, *D. C.* *Chrysopsis alba*, *Nutt.* Rocky banks of Black
river, Jefferson county. August. *Dr. Crawe.*

BIOTIA, D. C.

macrophylla, *D. C.* *Aster macrophyllus*, *L.* Rocky woods. Au-
gust–September. *B. Schreberi*, *latifolia* and
glomerata, *D. C.* do not appear to be more than
varieties of this species.

corymbosa, *D. C.* Dry woods. July–August.

DIPLOSTEPHIUM, Cass.

amygdalinum, *Cass.* *Aster amygdalinus*, *L.* Also? *A. umbel-*
latus, *Ait.* Low grounds. August–September.

cornifolium, *D. C.* *A. cornifolius*, *Muhl.* Woods. August.

acuminatum, *D. C.* *A. acuminatus*, *Michx.* Mountain woods.
September.

DIPLOPAPPUS, Cass., D. C.

linariæfolius, *Lindl.* *Aster linariifolius*, *L.* Rocks and sandy
woods.

ERIGERON, L. Fleabane.

philadelphicum, *L.* Woods. June–August.

pulchellum, *Michx.* *E. bellidifolium*, *Muhl.* *Poor Robert's Plan-*
tain. Woods. May–June.

purpureum, *Ait.* Sides of hills, &c. June.

canadense, *L.* *E. pusillum*, *Nutt.* *Horse-weed*, *Butter-weed.*
Fields, &c. August–September.

STENACTIS, Nees.

annua, *Nees.* *Aster annuus*, *L.* *Erigeron heterophyllum*, *Nutt.*
Fields and meadows. June–July.

strigosa, *D. C.* *Erigeron strigosum*, *Muhl.* Fields and woods.
June–August.

CHRYSOPTERIS, Nutt.

mariana, Nutt. Dry sandy woods. September.

falcata, Ell. Sandy fields, Suffolk county. September.

SOLIDAGO, L. Golden-rod.

canadensis, L. Woods. August–September.

gigantea, Ait. Low grounds. August.

ciliaris, Muhl. Dry fields and woods. August.

rugosa, Mill. Woods and low grounds. August–September.

altissima, L. Low grounds. August–September.

nemoralis, Ait. *S. puberula*, Nutt.? Dry woods and fields. Aug.

patula, Muhl. Low grounds. September.

ulmifolia, Muhl. Low grounds. August–September.

arguta, Ait. Rocky banks. August.

odora, Ait. Mountain woods and thickets. August–September.

bicolor, L. Woods and thickets. August–September.

flexicaulis, L. Rocky woods. September.

Var. *latifolia*. *S. latifolia*, L. Rocky banks. September.

serotina, L. Rocky banks. September.

juncea, Ait. Swamps. September.

cæsia, L. Thickets. September.

squarrosa, Muhl., Nutt. Rocky hills. August–September.

sempervirens, L. Borders of salt and brackish meadows. September–October.

virgaurea, L. var. *alpina*. Summit of Mount Marcy, Essex county. August.

rigida, L. Highlands of New-York. Dr. Barratt.

graminifolia, Ell. *S. lanceolata*, Willd. Low grounds. August.

tenuifolia, Pursh. Sandy soils. August–September.

BACCHARIS, L. Ploughman's Spikenard.

halimifolia, L. Seacoast of Long Island. September–October.

PLUCHEA, Cass.

foetida, Torr. & Gr.; not of D. C. *P. marilandica* and *camphorata*, D. C. *Baccharis foetida*, L. *Conyza marilandica*, Michx., Ell. Borders of salt marshes. August.

INULA, L.

§ *helenium*, L. *Elecampane*. Fields and road sides. July.

SILPHIUM, L.

ternatum, *Retz.* Near Niagara. *Dr. Eddy.*

POLYMNIA, L.

uvedalia, *L.* Rocky woods. July–August.

canadensis, *L.* Shady hill sides. June–July.

XANTHIUM, L. *Clot-weed, Cockle-bur.*

♂ strumarium, *L.* Borders of fields, &c. August–September.

echinatum, *Murr.* *X. macrocarpum*, var. *glabratum*, *D. C.* *X.*

orientale, *Linn. f.*, *Muhl.* *X. maculatum*, *Raf.*

Sandy shores, near salt water. August.

♂ spinosum, *L.* Road sides and waste places. September.

AMBROSIA, L. *Hog-weed.*

elator, *L.* *Rag-weed, Bitter-weed.* Old fields. August–Sept.

trifida, *L.* Along fences, and in low grounds. August.

IVA, L. *False Jesuit's Bark.*

frutescens, *L.* *High-water Shrub.* Salt marshes. August.

HELIOPSIS, Pers.

lævis, *Pers.* Banks of streams. August.

RUDBECKIA, L.

laciniata, *L.* Moist thickets. July–August.

OBELISCARIA, Cass.

pinnata, *Cass.* *Rudbeckia pinnata*, *Vent.* Shore of Lake Erie.
Dr. Sartwell.

COREOPSIS, L. *Tickseed Sunflower.*

trichosperma, *Michx.* Cedar swamps, Long Island. August.

ACTINOMERIS, Nutt.

alternifolia, *D. C.* *A. squarrosa*, *Nutt.* *Coreopsis alternifolia*, *L.*
Borders of Crooked lake, Yates county. *Dr.*
Sartwell.

HELIANTHUS, L. *Sunflower.*

divaricatus, *L.* Woods and hill sides. July–August.

frondosus, *L.* Woods. July and August.

decapetalus, *L.* Woods and thickets. August.

trachelifolius, *Willd.* Low grounds. August–September.

altissimus, *L.* Swamps. August.

BIDENS, L. *Bur Marigold.*

connata, L. Swamps and low grounds. September.

frondosa, L. Along fences, &c. August–September.

cernua, Willd. *B. petiolata*, Nutt.? Swamps. August–Sept.

chrysanthemoides, Michx. Low grounds. August–September.

Beckii, Torr. Lakes and ponds near Schenectady, Dr. Beck.
Western part of New-York, Dr. Aikin and Dr.
Gray.

bipinnata, L. *Spanish Needles*. Fields and rocky hills. August–September.

HELENIUM, L.

autumnale, L. Swamps. August–September.

MARUTA, Cass.

♂ *cotula*, Cass. *Anthemis cotula*, L. *May-weed*, *Stinking Chamomile*. Road sides, &c. June–September.

ACHILLEA, L. *Yarrow, Milfoil.*

♂ *millefolium*, L. Fields, pastures, &c. June–August.

LEUCANTHEMUM, Tourn.

♂ *vulgare*, Lam. *Chrysanthemum leucanthemum*, L. *Ox-eye Daisy*. Pastures, &c. June–August.

ARTEMISIA, L. *Wormwood.*

♂ *vulgaris*, L. *Mugwort*. Fields and road sides. September.

canadensis, L. *Wild Wormwood*. Sandy shores of Lake Erie.
July–August. Dr. Beck.

caudata, Michx. Sandy seacoast of Long Island. September.

TANACETUM, L. *Tansey.*

♂ *vulgare*, L. *Common Tansey*. Road sides, &c. July–Aug.

GNAPHALIUM, L., D. Don. *Cudweed.*

decurrens, Ives. Fields and borders of woods. August.

polycephalum, Michx. *Life Everlasting*, *Balsam*. Old fields,
&c. August–September.

uliginosum, L. Low grounds. July–August.

purpureum, L. Dry open woods. July. *G. sylvaticum*, Pursh.
(not of Linn.), *G. americanum*, Pursh. (not of Mill.), and *G. pennsylvanicum*, Willd. seem not to be distinct from this species.

FILAGO, Tourn.

♂? *germanica*, *L.* *Gnaphalium germanicum*, *Willd.* Old fields, Staten Island, &c. August–September.

ANTENNARIA, R. Br.

plantaginea, *R. Br.* *Gnaphalium plantagineum*, *L.* Dry woods and hills. April–May.

margaritacea, *R. Br.* *Gnaphalium margaritaceum*, *L.* Dry woods and hills. August.

ERECTHITES, Raf.

hieracifolia, *Raf.* *Senecio hieracifolius*, *Raf.* *Fire-weed.* Low grounds. August.

ARNICA, L.

montana, *L.* Sources of the Hudson, Essex county. August.

CACALIA, L.

suaveolens, *L.* In the State of New-York. *B. D. Greene, Esq.*

atriplicifolia, *L.* Near Geneseo.

SENECIO, L. Groundsel.

vulgaris, *L.* Road sides, &c. Long Island. August.

balsamitæ, *Willd.* Rocky banks of streams. June.

aureus, *L.* *S. obovatus*, *Muhl.* *S. gracilis*, *Ph.* Meadows, and along streams; sometimes on rocks. May–June.

CENTAUREA, L. Knapweed.

♂ *cyanus*, *L.* *Bluebottle.* Cultivated grounds. July.

CNICUS, Vaill.

♂ *benedictus*, *L.* *Blessed Thistle.* Road sides, &c. June.

CIRSIIUM, Tourn. Thistle.

lanceolatum, *Scop.* *Carduus lanceolatus*, *L.* *Common Thistle.* Fields, road sides, &c. June–September.

altissimum, *Spreng.* *Carduus altissimus*, *L.* Old fields. August.

discolor, *Spreng.* *Cnicus discolor*, *Muhl.* Fields and thickets. August.

pumilum, *Spreng.* *Carduus pumilus*, *Nutt.* *Cnicus odoratus*, *Muhl.* Old fields. July.

muticum, *Michx.* Swamps. September.

♂ *arvense*, *Scop.* *Cnicus arvensis*, *Hoff.* *Canada Thistle.* Fields and road sides. July–September.

LAPPA, Tourn.

§ major, *Gært.* *Arctium lappa*, var. *L.* *A. lappa*, *Willd.* *Common Burdock.* Old fields, &c. July–Sept.

CICHORIUM, L.

§ intybus, *L.* *Chicory*, *Wild Succory.* Fields, &c. August.

CYNTHIA, D. Don.

virginica, *Don.* *Troximon virginicum*, *Pursh.* Dry sandy soils. May–July.

KRIGIA, Schreb.

virginica, *Willd.* Woods and fields. May–June.

LACTUCA, Tourn. Lettuce.

elongata, *Muhl.* *L. canadensis*, *L.?* Thickets and borders of woods. July.

integrifolia, *Bigel.* Hill sides, &c. July.

TARAXACUM, Hall.

§ dens-leonis, *Desf.* *Leontodon taraxacum*, *L.* *Dandelion.* Pastures, road sides, &c. March–November.

SONCHUS, L., Cass. Sow Thistle.

§ oleraceus, *L.* Old fields and cultivated grounds. August–Sept.

§ palustris, *L.* New-York. *Muhlenberg.*

HIERACIUM, L. Hawk-weed.

venosum, *L.* *H. Gronovii*, *L.* in part. Dry open woods, &c. May–June.

Gronovii, *L.* in part.; *Michx.* β . Woods and meadows. August–September.

Var. *marianum.* *H. marianum*, *Willd.* Woods. August.
canadensis, *Michx.* *H. virgatum* and? *fasciculatum*, *Pursh.* *H. Kalmii*, *Torr. comp.*, *Beck*, &c.; not of *Linn.* Highlands of New-York, and in the western parts of the State.

paniculatum, *L.* Dry woods. August.

NABALUS, Cass.

altissimus, *Hook.* *N. alatus*, *Hook.* *Prenanthes altissima*, *L.*

albus, *Hook.* *Prenanthes alba*, *L.* Dry woods, &c. August–September.

NABALUS, (continued.)

- Var. 1. *serpentaria*. *Prenanthes serpentaria*, *Pursh*. *Nabalus serpentarius*, *Hook*. Fields and copses. August.
- Var. 2. *nanus*. *Prenanthes alba*, var. *nana*, *Bigel*. *Nabalus nanus* and? *N. Bootii*, *D. C.* High mountains of Essex county. August.

MULGEDIUM, *Cass*.

- floridanum*, *D. C.* *Sonchus floridanus*, *L.* Rocky hills. August.
- acuminatum*, *D. C.* *S. acuminatus*, *Willd.* Woods. August.

ORDER LOBELIACEÆ.

LOBELIA, *L.*

- Dortmanna*, *L.* *Water Gladiole*. Shallow water. Long Island, *Dr. Barratt*. West Point, *Prof. Bailey*. Northern part of the State, *Dr. Emmons*. August–September.
- Kalmii*, *L.* Wet rocks, &c. July–August.
- Claytoniana*, *Michx.* Woods and meadows. June.
- siphilitica*, *L.* Wet meadows and swamps. September.
- Var. *alba*. Near Peekskill.
- cardinalis*, *L.* *Cardinal Flower*. Wet places. August–Sept.
- inflata*, *L.* *Indian Tobacco*. Fields, road sides, &c. August.

ORDER CAMPANULACEÆ. THE BELL-FLOWER TRIBE.

CAMPANULA, *L.* *Bell Flower*.

- rotundifolia*, *L.* Rocky banks, and on mountains. June–August.
- amplexicaulis*, *Michx.* *C. perfoliata*, *L.* Fields, &c. June–July.
- americana*, *L.* *C. acuminata*, *Michx.* Moist shady places, western counties. July.
- aparinoides*, *Pursh.* *C. erinoides*, *Muhl.*; not of *Linn.* Swamps and wet thickets. June–July.

ORDER ERICACEÆ. THE HEATH TRIBE.

ANDROMEDA, *L.*

- mariana*, *L.* Sandy woods and fields. June–July.
- polifolia*, *L.* Sphagnous swamps. June.
- racemosa*, *L.* Wet thickets. June.

ANDROMEDA, (continued.)

paniculata, *L.* (in part.), *Willd.* &c. *A. ligustrina*, *Muhl.* *Vaccinium ligustrinum*, *L.* *Pepper-bush*. Moist woods and thickets. June.

calyculata, *L.* Swamps. April.

ARBUTUS, *L.* *Bear-berry*.

uva-ursi, *L.* Dry sandy soils. April-May.

GAUTIERA, (incorrectly written *Gaultheria* by most botanists.)

procumbens, *L.* *Partridge-berry*. Sandy woods. May-June.

CLETHRA, *L.* *Sweet-scented Pepper-bush*.

alnifolia, *L.* Swamps and wet thickets. August.

RHODODENDRON, *L.* *Rose-bay*.

maximum, *L.* *Great Laurel*. Swamps. June-July.

canadense. *Rhodora canadensis*, *L.* Mountain bogs. May.

nudiflorum, *Torr.* *Azalea nudiflora*, *L.* *Wild Honeysuckle*. Woods and thickets. April-May.

viscosum, *Torr.* *Azalea viscosa*, *L.* Woods and swamps. June.

hispidum, *Torr.* *Azalea hispida*, *Pursh.* Borders of mountain lakes, New-York. *Pursh.* I have not found this species.

KALMIA, *L.* *Laurel*.

latifolia, *L.* *Calico-bush*, *High Laurel*. Rocky hills. May-June.

angustifolia, *L.* *Dwarf Laurel*, *Sheep Laurel*. Low wet places. June.

glauca, *L.* Sphagnous swamps. April-May.

Var. *rosmarinifolia*, *Pursh.* Swamps near Albany, &c.

EPIGÆA, *L.* *Mountain Tea*.

repens, *L.* *Ground Laurel*, *Trailing Arbutus*. Sandy woods and hills. April.

LEDUM, *L.*

latifolium, *L.* *Labrador Tea*. Swamps. May-June.

SUB-ORDER VACCINEÆ.

VACCINIUM, *L.* *Whortleberry* or *Huckleberry*.

stamineum, *L.* *Deer-berry*. Dry woods. May-June.

dumosum, *Andr.* Sandy woods. June.

frondosum, *L.* *Blue Tangles.* Woods. June.

resinosum, *Ait.* Dry woods and rocky hills. May.

corymbosum, *L.* *Swamp or High Huckleberry.* Shady swamps. May.

pennsylvanicum, *Lam.* *Blue Huckleberry.* Rocky woods. May.

tenellum, *Ait.* *Dwarf Blue Huckleberry.* Dry woods. May.

uliginosum, *L.* Sources of the Hudson in the Adirondack mountains. July–August.

OXYCOCCUS, *Pers.* *Cranberry.*

macrocarpus, *Pursh.* *Common Cranberry.* Swamps. June.

vulgaris, *Pers.* Sphagnous swamps, northern and western counties. June.

LASIERPA, *Torr.*

hispidula, *Torr.* *Vaccinium hispidulum*, *L.* *Gaultheria serpyllifolia*, *Pursh.* Swamps. April–May. The fruit of this genus is incorrectly described in my *Flora of the Northern States.*

SUB-ORDER PYROLEÆ.

PYROLA, *L.* *Winter-green.*

rotundifolia, *L.* Woods.

chlorantha, *Swartz.* *P. asarifolia*, *Torr.*, *Beck*; not of *Michx.* Woods, northern and western counties. June–July.

elliptica, *Nutt.* *Shin-leaf.* Dry woods. July.

minor, *L.* Western part of New-York. *Pursh.* I have not found this species, and doubt whether it is a native of the State.

secunda, *L.* Dry woods. June–July.

uniflora, *L.* Woods, northern and western counties. June.

uliginosa, *Torr. & Gr.* Sphagnous swamps, Oneida county, and northern part of the State. *Dr. Gray* and *Dr. Kneiskern.*

CHIMAPHILA, *Pursh.*

umbellata, *Nutt.* *Pipsissawa.* Dry woods. June.

maculata, *Pursh.* Dry woods. June.

SUB-ORDER MONOTROPEÆ.

MONOTROPA, *L.* *Bird's-nest.*

uniflora, *L.* *Indian Pipe.* Woods. June-July.

HYPOPITHYS, *Dill.* *Pine-sap.*

lanuginosa, *Nutt.* Moist woods. July-August.

PTEROSPORA, *Nutt.*

andromedea, *Nutt.* Clayey soils. Near Albany, *Dr. James, Eaton.* Seneca lake, *Dr. Gray.* Near Niagara Falls, *Whitlow.* Little Falls of the Mohawk, *Cooper.* Port Henry, Lake Champlain, *Prof. A. Hopkins.* Near Sacket's-Harbor, *Dr. Wood.* July.

ORDER EBENACEÆ. THE EBONY TRIBE.

DIOSPYROS, *L.* *Persimmon.*

virginiana, *L.* Woods. May.

ORDER AQUIFOLIACEÆ. THE HOLLY TRIBE.

ILEX, *L.* *Holly.*

opaca, *Ait.* Sandy woods, Long Island. June.

NEMOPANTHES, *Raf.*

canadensis, *Raf.* *Ilex canadensis, Michx.* Mountains. May.

PRINOS, *L.* *Winter-berry.*

verticillatus, *L.* Swamps. June-July.

lævigatus, *Pursh.* Cedar swamps. June.

glaber, *L.* *Ink-berry.* Swamps. July.

ORDER OLEACEÆ. THE OLIVE TRIBE.

LIGUSTRUM, *L.* *Privet* or *Prim.*

♂ vulgare, *L.* Woods and along fences. May-June.

FRAXINUS, *L.* *Ash.*

sambucifolia, *Willd.* *Black Ash.* Wet woods and swamps. April.

acuminata, *Lam.* *F. americana, Michx. f.* Woods. May.

ORDER APOCYNACEÆ. THE DOG-BANE TRIBE.

APOCYNUM, *L.* *Dog's-bane.*

androsæmifolium, *L.* Borders of woods, and along fences. June.

cannabinum, *L.* *A. hypericifolium*, *Ait.* *A. pubescens*, *R. Br.*

Banks of streams, and on hill sides. July.

ORDER ASCLEPIADACEÆ. THE MILKWEED TRIBE.

ASCLEPIAS, *L.* *Milkweed, Swallow-wort.*

syriaca, *L.* *Common Milkweed.* Fields, &c. June-July.

phytolaccoides, *L.* Rocky woods. June-July.

variegata, *L.* *A. hybrida*, *Michx.* Dry woods. June-July.

purpurascens, *L.* Borders of woods and thickets. July.

incarnata, *L.* Low grounds. July-August.

obtusifolia, *Michx.* Sandy woods and hill sides. June-July.

quadrifolia, *Jacq.* Rocky woods. June.

verticillata, *L.* Dry hills. July.

tuberosa, *L.* *Pleurisy-root, Butterfly-weed.* Sandy fields. July-August.

ACERATES, *Ell.*

viridiflora, *Ell.* *Asclepias viridiflora*, *Raf.* Sandy fields. July.

PERIPLOCA, *L.*

græca, *L.* Western part of the State, indigenous or naturalized, *Nuttall.* Near Rochester, *Dr. Bradley.* I have never found this plant, nor have I received it from any part of the United States.

ORDER GENTIANACEÆ. THE GENTIAN TRIBE.

GENTIANA, *L.* *Gentian.*

saponaria, *L.* *Soap Gentian.* Borders of swamps. September.

Var.? *linearis*, *Griseb.* *G. pneumonanthe*, *Michx., Bigel.;* not of *Linn.* Wet grassy places. Sources of the Hudson, Essex county, August 7th. This is probably a distinct species.

quinqueflora, *Lam.* Woods. August.

crinita, *Fræl.* Rocky open woods. September.

HALENIA, Borkh.

deflexa, *Griesb.* *Swertia deflexa, Smith.* Northern part of the State. *Prof. Hadley.*

FRASERA, Walt.

carolinensis, *Walt.* *American Columbo.* Swamps. Western part of the State. *Prof. Hadley.*

SABBATIA, Adans.

stellaris, *Pursh.* Salt marshes. August.

angularis, *Pursh.* *Centaury.* Meadows and old fields. July-August.

chloroides, *Pursh.* Salt marshes. August.

ERYTHRÆA, Rich.

Muhlenbergii, *Griseb.* *E. centaurium, Beck,* not of *Pers.* Open woods and fields, Rockland county. July. Near Oswego, *Dr. Aikin.*

ramosissima, *Pers.?* Borders of salt marshes, Long Island. July.

CENTAURELLA, Michx.

autumnalis, *Pursh.* Dry meadows, &c. August.

LIMNANTHEMUM, Gmel.

lacunosum, *Griseb.* *Villarsia cordata, Ell.* In water. August.

MENYANTHES, L.

trifoliata, *L.* *Buckbean.* Marshes. May.

ORDER BIGNONIACEÆ. THE TRUMPET-FLOWER TRIBE.**CATALPA, Juss. Bean Tree.**

cordifolia, *Duham.* Planted about habitations: not indigenous in any part of the State. July.

ORDER PEDALIACEÆ. THE OIL-SEED TRIBE.**MARTYNIA, L.**

♂ proboscidea, *L.* *Unicorn Plant.* Cultivated grounds, &c. August.

ORDER POLEMONIACEÆ. THE GREEK-VALERIAN TRIBE.

PHLOX, *L.*

- divaricata*, *L.* Dry woods and rocky banks. May.
subulata, *L.* *Mountain Pink*. Rocky hills. May.

POLEMONIUM, *L.* *Greek Valerian*, *Jacob's Ladder*.

- reptans*, *L.* Cattaraugus county. *Dr. Bradley*.

ORDER CONVULVULACEÆ. THE BINDWEED TRIBE.

CONVOLVULUS, *L.* *Bind-weed*.

- § *arvensis*, *L.* Near Fort Ticonderoga, Lake Champlain, *Mr.*
 ———. Near Albany, *Dr. Beck*.
sepium, *L.* Moist thickets. June-July.
spithamæus, *L.* Dry woods and fields. June.
panduratus, *L.* *Wild Potato-vine*, *Mechoacanna*, *Man-of-the-*
earth. Borders of woods and hill sides. July-
 August.

CUSCUTA, *L.* *Dodder*.

- americana*, *L.* Low grounds. August.
 § *epilinum*, *Weihe*. *C. europæa*, *Beck*, *Darlington*, &c.; not of
Linn. *Flax Dodder*. Parasitic on flax. June.

ORDER BORAGINACEÆ. THE BORAGE TRIBE.

LITHOSPERMUM, *L.* *Gromwell*.

- § *arvense*, *L.* *Corn Gromwell*. Cultivated grounds, pastures,
 &c. May.
latifolium, *Michx.* Sandy fields and river banks. May. *L. den-*
ticulatum, *Lehm.* is said to grow in the State of
 New-York, but I have never received specimens
 of the plant from any part of the United States.

BATSCHIA, *Gmel.*

- canescens*, *Michx.* *Puccoon*. Northern part of the State, *Prof.*
Hadley. June.

ONOSMODIUM, *Michx.*

- hispidum*, *Michx.* Dry hills. July.

SYMPHYTUM, *L. Comfrey.*

‡ officinale, *L.* Cultivated grounds. June.

LYCOPSIS, *L. Small Bugloss.*

‡ arvensis, *L.* Sandy fields. June-July.

MYOSOTIS, *L. Scorpion Grass.*

palustris, *Roth.* Ditches and wet grounds. May-July.

arvensis, *Sibth.* Sandy woods. May-June.

ECHINOSPERMUM, *Lehm.*

‡ lappula, *Lehm.* Road sides and fields. July.

virginicum, *Lehm.* Borders of woods and thickets. July.

CYNOGLOSSUM, *L. Hound's-tongue.*

officinale, *L.* Road sides, &c. May-June.

virginicum, *L.* Woods, in rich soil. May-June.

PULMONARIA, *L. Lungwort.*

virginica, *L.* Sandy alluvial soil, western counties. May.

ECHIUM, *L. Viper's Bugloss.*

‡ vulgare, *L.* Blue Thistle. Fields and hill sides. June.

ORDER HYDROPHYLLACEÆ.

HYDROPHYLLUM, *L.*

virginicum, *L.* Moist shady places. June.

canadense, *L.* Woods. June.

ORDER LABIATÆ. THE MINT TRIBE.

LYCOPUS, *L. Water Horehound.*

sinuatus, *Ell., Benth.* *L. europæus*, *Pursh* and others, not of *Linn.* *L. americanus*, *Muhl.* Overflowed places. August.

virginicus, *L.* Bugle-weed. Low wet places and woods. July-August.

MENTHA, *L. Mint.*

‡ viridis, *L.* Spearmint. Moist grounds. July-August.

‡ piperita, *L.* Peppermint. Moist grounds. August.

canadensis, *L.* *M. borealis*, *Michx.* Wet thickets and meadows. August.

ISANTHUS, Michx.

caeruleus, *Michx.* Sandy banks of rivers. July–August.

MONARDA, L. Horse-mint.

fistulosa, *L., Benth.* *M. allophylla, Michx.* *M. clinopodia, L.*
M. oblongata and rugosa, Ait. Rocky banks and
 thickets. July.

didyma, *L. M. Kalmiana, Pursh.* *Oswego Tea.* Wet thickets.
 August.

punctata, *L.* Dry sandy fields. September.

BLEPHILIA, Raf.

hirsuta, *Raf., Benth.* *Monarda hirsuta, Pursh.* Wet woods.
 August.

PYCNANTHEMUM, Michx.

incanum, *Michx.* Rocky woods. July–August.

Torrei, *Benth.* Rocky hill sides, Rockland county. August.

lanceolatum, *Pursh, Benth.* *Blephilia verticillatum, Michx. B.*
lanceolatum, Willd. Thickets and rocky hills.
 July–August.

linifolium, *Pursh.* Moist thickets and exsiccated swamps. July.

ORIGANUM, L. Marjoram.

♂ vulgare, *L.* *Wild Marjoram.* Rocky banks. July–August.

COLLINSONIA, L. Horse Balm.

canadensis, *L.* *Knot-root.* Rocky shady soils. July–August.

CUNILA, L.

mariana, *L.* *Dittany.* Rocky hills. August–September.

HEDEOMA, Pers.

pulegioides, *Pers.* *Pennyroyal.* Dry sterile soils. August.

MICROMERIA, Benth.

Nuttallii, *Torr. & Gr.* *M. glabella, Benth., Lab. p. 371, excl.*
syn. Michx. *Hedeoma glabella, Nutt. excl. syn.*
 Wet rocks, Niagara Falls. August.

MELISSA, L. Balm.

♂ clinopodium, *Benth.* *Clinopodium vulgare, L. Wild Basil.*
 Rocky banks. July–August.

♂ officinalis, *L.* *Common Balm.* Road sides, &c. August.

PRUNELLA, L. Heal-all.

♂? vulgaris, L. Open woods, &c. July–September.

SCUTELLARIA, L. Scullcap.

pilosa, Michx. Dry open woods and thickets. June–August.

integrifolia, L. Moist thickets. June–July.

galericulata, L. Borders of swamps. August.

lateriflora, L. Mad-dog Scullcap. Low wet grounds. August.

parvula, Michx. Shores of Lakes Erie and Ontario. Dr. Gray.

LOPHANTHUS, Benth.

nepetoides, Benth. Hyssopus nepetoides, L. Thickets and along fences. July–August.

Var. scrophularifolius. L. scrophularifolius, Benth. Hyssopus scrophularifolius, Willd. With the preceding.

NEPETA, L. Catnep.

♂ cataria, L. Common Catnep. Road sides, &c. July–August.

♂ glechoma, Benth. Glechoma hederacea. Ground Ivy, Gill. Road sides, and shady grassy places. May–June.

DRACOCEPHALUM, L.

parviflorum, Nutt. Barren fields and woods, Jefferson county, Dr. Crawe, Dr. Gray. Rocky banks of small lakes, St. Lawrence county. June–August.

PHYSOSTEGIA, Benth.

virginiana, Benth. Dracocephalum virginianum, L. Banks of rivers; western counties. July.

LAMIUM, L. Dead Nettle.

♂ amplexicaule, L. Cultivated grounds and fields. April–May.

LEONURUS, L. Motherwort.

♂ cardiaca, L. Rubbish and waste places. June.

STACHYS, L. Hedge Nettle.

palustris, L. Low damp grounds. July–August.

aspera, Michx. Wet thickets, along rivers. July–August.

hyssopifolia, Michx. Wet meadows, Long Island. July.

GALEOPSIS, L. Hemp Nettle.

♂ tetrahit, L. Waste places, road sides, &c. July–August.

♂ ladanum, L. Old fields, northern counties. July.

MARRUBIUM, *L.* *Horehound.*

§ vulgare, *L.* Rocky banks, fields, &c. July–August.

TRICHOSTEMA, *L.*

dichotomum, *L.* Sandy fields. August.

TEUCRIUM, *L.* *Germander.*

canadense, *L.* *T. virginicum*, *L.* Low grounds. July.

ORDER SOLANACEÆ. THE NIGHTSHADE TRIBE.

SOLANUM, *L.* *Nightshade.*

§ dulcamara, *L.* *Bittersweet.* Road sides and fields. July–Aug.

§ nigrum, *L.* Old fields and waste places. July–August.

carolinianum, *L.* Borders of woods, Long Island. July.

PHYSALIS, *L.* *Winter Cherry.*

viscosa, *L.*, *Aikin.* Road sides, fields, &c. July. I fully agree with Dr. Aikin in his view of this species as given in Eaton's Manual, Ed. 7, p. 436.

NICANDRA, *Adans.*

§ physaloides, *Pers.* Cultivated grounds. July–September.

NICOTIANA, *L.*

§ rustica, *L.* Naturalized in the western part of the State. *Nuttall.*

DATURA, *L.* *Thorn Apple, Jamestown Weed.*

§ stramonium, *L.* Waste grounds. July–September.

Var. tatula. *D. tatula*, *L.* With the preceding.

HYOSCYAMUS, *L.* *Henbane.*

§ niger, *L.* Road sides, &c. June.

ORDER SCROPHULARIACEÆ. THE FIGWORT TRIBE.

VERBASCUM, *L.* *Mullein.*

§ thapsus, *L.* *Common Mullein.* Old fields, road sides, &c. June.

blattaria, *L.* Road sides, &c. June–July.

§ lychnitis, *L.* Old fields, near Oneida lake. June–July.

Var. hybrida. Intermediate between this species and *V. thapsus*.
With the preceding.

VERONICA, *L.* *Speedwell.*

- § serpyllifolia, *L.* Meadows and pastures. May–August.
 scutellata, *L.* Wet meadows and swamps. May–June.
 anagallis, *L.* *Water Speedwell.* Ditches. June–August.
 beccabunga, *L.* *Brooklime.* Wet places. June.
 § officinalis, *L.* *Common Speedwell.* Dry woods. June.
 peregrina, *L.* *Neck-weed.* Cultivated grounds. May.
 § arvensis, *L.* Dry banks and fields. May.
 § hederifolia, *L.* Near Brooklyn, Long Island. April.
 virginica, *L.* *Leptandra virginica, Nutt.* Borders of woods, &c.
 July.

BUCHNERA, *L.*

- americana, *L.* Sandy soils, western counties. July.

SCROPHULARIA, *L.* *Figwort.*

- marilandica, *L.* *S. lanceolata, Pursh.* Dry woods, and along fences. July–August.

LINARIA, *Tourn.* *Toad Flax.*

- § vulgaris, *Ait.* *Antirrhinum linaria, L.* *Continental Weed, Ransted Weed.* Road sides and fields. June–Oct.
 canadensis, *Spreng.* *Antirrhinum canadense, L.* Sandy soils, wet or dry. June–July.
 § elatine, *Desf.* *Antirrhinum elatine, L.* Shore of Cayuga lake.
Dr. Gray.

MIMULUS, *L.* *Monkey Flower.*

- ringens, *L.* Wet grounds. August.
 alatus, *L.* Low grounds, along rivers, &c. August.

GRATIOLA, *L.* *Hedge Hyssop.*

- virginica, *L.* Overflowed places. July–August.
 aurea, *Muhl.* Sandy swamps, Long Island.

LINDERNIA, *L.*

- dilatata, *Muhl.* Low wet places. July–August.
 attenuata, *Muhl.* With the preceding.

CHELONE, *L.* *Snake-head.*

- glabra, *L.* Margin of swamps. August–September.

PENTSTEMON, *L'Her.*

- pubescens, *Ait.* Hill sides. June.

COLLINSIA, Nutt.

verna, Nutt. Rich alluvial soil. Near Utica, May, *Dr. Gray*.
Ithaca, *Dr. Aikin*.

LIMOSELLA, L. Mudwort.

subulata, Ives. Muddy banks of rivers. West Point, *Prof. Bailey*.

GERARDIA, L.

purpurea, L. Borders of swamps. August–September.

maritima, Raf. Salt marshes. August–September.

tenuifolia, Vahl. Dry woods. August.

flava, L. Woods. July–August.

quercifolia, Pursh. Woods. August.

pedicularia, L. Dry hills and sandy woods. August.

PEDICULARIS, L. Lousewort.

lanceolata, Michx. *P. pallida, Pursh.* Swamps near New-York.
September.

canadensis, L. *P. gladiata, Michx.* Borders of woods. June.

CASTILLEJA, Mutis.

coccinea, Spreng. *Euchroma coccinea, Nutt.* Wet meadows.
May.

MELAMPYRUM, L. Cow Wheat.

americanum, Michx. Woods. June–July.

ORDER OROBANCHACEÆ. THE BROOM-RAPE TRIBE.

OROBANCHE, L. Broom Rape.

americana, L. *Caveer-root.* Woods. July.

uniflora, L. Woods. May–June.

EPIPHEGUS, Nutt. Beech-drops.

americanus, Nutt. Under the shade of beech trees. September.

ORDER VERBENACEÆ. THE VERVAIN TRIBE.

VERBENA, L. Vervain.

hastata, L. Low grounds. July–August.

spuria, L. Sandy fields and waste places. August.

urticifolia, L. Road sides. July.

angustifolia, Michx. Sandy woods and river banks. August.

PHRYMA, *L.* *Lopseed.*

leptostachya, *L.* Borders of woods. July.

ORDER ACANTHACEÆ. THE JUSTICIA TRIBE.

JUSTICIA, *L.*

americana, *Vahl.* In water; western counties. July–August.

ORDER LENTIBULACEÆ.

UTRICULARIA, *L.* *Bladder-wort.*

inflata, *Walt.* *U. ceratophylla*, *Michx.* Ponds, Long Island. July.

vulgaris, *L.* Ponds and slow streams. August.

intermedia, *Hayne.* Swamps, Jefferson county. June–July. *Dr. Gray.*

minor, *Willd.* With the preceding, *Dr. Gray.* Near Albany, *Dr. Beck.*

cornuta, *Michx.* Swamps. August.

PINGUICULA, *Butter-wort.*

vulgaris, *L.* Wet rocks, Genesee Falls. May. *Prof. Hadley.*

ORDER PRIMULACEÆ. THE PRIMROSE TRIBE.

PRIMULA, *L.* *Primrose.*

mistassinica, *Michx.* Yates county. *Dr. Sartwell.*

TRIENTALIS, *L.* *Chickweed, Wintergreen.*

americana, *Pursh.* Wet woods and swamps. May.

HOTTONIA, *L.* *Water Feather.*

inflata, *Ell.* Stagnant water, Westchester county. *Beck.*

LYSIMACHIA, *L.* *Loosestrife.*

stricta, *Ait.* Low grounds. July.

quadrifolia, *L.* Borders of woods, &c. June–July.

ciliata, *L.* Borders of woods and streams. June–July.

thyrsiflora, *L.* Marshes. June.

revoluta, *Nutt.* Wet rocks, Niagara Falls. August.

ANAGALLIS, *L.* *Pimpernel.*

§ *arvensis*, *L.* *Red Chickweed.* Road sides and fields. June–September.

SAMOLUS, L. *Water Pimpernel.*

valerandi, L. Wet grounds. July–September.

ORDER PLUMBAGINACEÆ. THE LEADWORT TRIBE.

STATICE, L. *Marsh Rosemary.*

limonium, L. Borders of salt marshes. August–October.

ORDER PLANTAGINEÆ. THE PLANTAIN TRIBE.

PLANTAGO, L. *Plantain.*

cordata, Lam. Banks of streams, near New-York and Fishkill. June.

♂ *major, L.* *Common Plantain.* Fields, road sides, &c. June–September.

virginica, L. Sterile fields and dry hills. May–June.

♂ *lanceolata, L.* *Narrow-leaved Plantain, Ripple Grass.* Fields and meadows. May–August.

maritima, L. Salt marshes. August–September.

pusilla, Nutt. Arid hills, Island of New-York. May. Is this a dwarf form of *P. sparsiflora, Michx.?*

ORDER AMARANTHACEÆ. THE AMARANTH TRIBE.

AMARANTHUS, L.

♂ *albus, L.* Cultivated grounds. August.

♂ *hybridus, L.* Gardens and waste grounds. August.

♂ *retroflexus, L.* Waste grounds and cultivated fields. August.

pumilus, Nutt. Sandy coast of Long Island. August.

ORDER CHENOPODIACEÆ. THE GOOSEFOOT TRIBE.

CHENOPODIUM, L. *Goosefoot.*

♂ *ambrosioides, L.* Road sides. August–September.

♂ *album, L.* Cultivated grounds, and about houses. July–Sept.

♂ *anthelminticum, L.* *Wormseed.* Road sides. August–Sept.

♂ *botrys, L.* *Jerusalem Oak.* Road sides. August.

♂ *hybridum, L.* Fields and waste grounds. August.

♂ *rubrum, L.?* Western part of the State. August.

SHOBERIA, C. A. Meyer.

maritima, C. A. Meyer. *Chenopodium maritimum, L.* Salt marshes. August–September.

ATRIPLEX, L. Orach.

laciniata, L. Borders of salt marshes. August.

arenaria, Nutt. Sea beach of Long Island. August–September.

ACNIDA, L. Water Hemp.

cannabina, L. Borders of salt marshes. July–August. *A. rusco-
carpa*, Michx. seems to be scarcely distinct from
this.

SALICORNIA, L. Glasswort.

herbacea, L. Salt marshes. August–September.

SALSOLA, L. Saltwort.

soda, L. *S. caroliniana*, Michx. Sandy shores about New-York,
and on the seacoast of Long Island. Near West
Point, Prof. Bailey. August–September.

BLITUM, L.

♂? *capitatum*, L. *Strawberry Blite*. Banks of rivulets. June.

maritimum, Nutt. Salt marshes near New-York. *Atriplex*?

ORDER PHYTOLACCACEÆ. THE POKEWEED TRIBE.**PHYTOLACCA, L. Poke, or Pokeweed.**

decandra, L. Hill sides, borders of fields, &c. June–October.

ORDER POLYGONACEÆ. THE BUCKWHEAT TRIBE.**POLYGONUM, L. Knot-weed.**

♂ *aviculare*, L. About houses, road sides, &c. June–October.

Var. *glaucum*. *P. glaucum*, Nutt. Seacoast. August–Sept.

♂ *erectum*, L. Road sides, waste places, &c. August–Sept.

tenue, Michx. Rocky hills and dry banks. July–August.

virginianum, L. Rocky woods in rich soil. July–August.

hydropiper, L. *P. hydropiperoides*, Pursh. *Water Pepper*. Low
wet grounds. August.

mite, Pers. *P. hydropiperoides*, Michx. Swamps. August–
September.

♂ *persicaria*, L. *Lady's Thumb*. Waste places, and gardens.
July–September.

amphibium, L.

Var. 1. *natans*, Michx. Floating in ponds. August.

POLYGONUM, (continued.)

- Var. 2. *emersum*, Michx. *P. coccineum*, Willd. Margin of ponds and rivers. August–September.
- Var. 3. *strigosum*. Head of Seneca lake. Dr. Gray.
- Var. 4. *acuminatum*. Cayuga lake. Dr. Aikin.
- pennsylvanicum*, L. Borders of fields, wet thickets, &c. July–August.
- ♂ *orientale*, L. *Prince's Feather*. Cultivated grounds. July–September.
- sagittatum*, L. Wet thickets. August.
- arifolium*, L. Wet thickets and river banks. August.
- scandens*, L. *Climbing Buckwheat*. Shady thickets, &c. Aug.
- ♂ *convolvulus*, L. *Black Bindweed*. Cultivated grounds. July.
- ♂ *fagopyrum*, L. *Buckwheat*. Fields. Scarcely naturalized. September.
- cilinode*, Michx. Rocky thickets, northern counties. July.

RUMEX, L. Dock.

- ♂ *crispus*, L. *Curled Dock*. Fields. June–July.
- ♂ *obtusifolius*, L. Fields and borders of woods. June–July.
- verticillatus*, L. Swamps. June–July.
- britannica*, L. *Yellow-rooted Water Dock*. Swamps. June–July.
- ♂ *acetosella*, L. *Sheep Sorrel*. Fields and road sides. May–July.

ORDER LAURACEÆ. THE CINNAMON TRIBE.

LAURUS, L.

- benzoin*, L. *Wild Allspice*, *Fever Bush*, *Benjamin Tree*. Swamps. April.
- sassafras*, L. *Common Sassafras*. Woods. April.

ORDER ELEAGNACEÆ. THE OLEASTER TRIBE.

SHEPHERDIA, Nutt.

- canadensis*, Nutt. Rocky banks of streams and lakes, northern and western counties. May.

ORDER THYMELACEÆ. THE MEZEREUM TRIBE.

DIRCA, *L.* *Leather-wood.*palustris, *L.* Woods, near streams. April.

ORDER SANTALACEÆ. THE SANDERS-WOOD TRIBE.

NYSSA, *L.*multiflora, *Walt.* *N. sylvatica, Michx. sylv.* *N. villosa, Willd.*
Black Gum. Woods. May-June.COMANDRA, *Nutt.*umbellata, *Nutt.* *Bastard Toad-flax.* Rocky hills. June.

ORDER ARISTOLOCHIACEÆ. THE BIRTHWORT TRIBE.

ARISTOLOCHIA, *L.*serpentaria, *L.* *Virginia Snake-root.* Shady woods. June.ASARUM, *L.*canadense, *L.* *Wild Ginger, Coltsfoot.* Rocky woods. May.

ORDER EMPETRACEÆ. THE CROWBERRY TRIBE.

EMPETRUM, *L.* *Crowberry.*nigrum, *L.* Summit of Mount Marcy and Mount McIntyre. July.
Found also on Whiteface Mountain, by *Dr. Emmons* and *Prof. Hall.*

ORDER EUPHORBIACEÆ. THE EUPHORBIVM TRIBE.

ACALYPHA, *L.* *Three-seeded Mercury.*virginica, *L.* Fields and road sides. June-August.EUPHORBIA, *L.* *Spurge.*hypericifolia, *L.* *E. maculata, Michx.* Road sides and sandy fields. July-September.maculata, *L.* *E. depressa, Torr. in Ell. sk.* Cultivated grounds and sandy fields. July-September.polygonifolia, *L.* *E. maritima, Nutt.* Seacoast. August.obtusata, *Pursh.* Sandy fields and river banks. July-August.

ORDER URTICACEÆ. THE NETTLE TRIBE.

URTICA, *L.* *Nettle.*

pumila, *L.* Wet grounds. July–August.

♂ *dioica*, *L.* *Stinging Nettle.* Waste grounds, road sides, &c. July.

canadensis, *L.* *U. divaricata*, *L.* Shady rocky places, along streams. July–August.

BÆHMERIA, *Willd.*

cylindrica, *Willd.* Moist shady woods and thickets. July–Aug.

PARIETARIA, *L.* *Pellitory.*

pennsylvanica, *Muhl.* Shady rocky hill sides. July.

CANNABIS, *L.* *Hemp.*

♂ *sativa*, *L.* Fields, and along fences. June–July.

HUMULUS, *L.* *Hop.*

♂ *lupulus*, *L.* Borders of woods and rivers. August.

MORUS, *L.* *Mulberry.*

rubra, *L.* *Red Mulberry.* Woods. May.

♂ *alba*, *L.* *White Mulberry.* About houses: naturalized in some places. May.

ORDER SAURURACEÆ.

SAURURUS, *L.* *Lizard's-tail.*

cernuus, *L.* Swamps and borders of streams. July.

ORDER PODOSTEMACEÆ.

PODOSTEMUM, *Michx.*

ceratophyllum, *Michx.* *Lacis ceratophylla*, *Bong.* On stones in Black river. *Dr. Craue.*

ORDER AMENTACEÆ.

SUB-ORDER CUPULIFERÆ. THE NUT TRIBE.

CARPINUS, *L.* *Hornbeam.*

americana, *Michx.* Rocky woods. April.

OSTRYA, Scop. Hop Hornbeam.

virginica, Willd. Iron-wood. Rocky woods. April-May.

CORYLUS, L. Hazel-nut.

americana, Walt. Wild Filbert. Thickets, &c. April.

rostrata, Ait. Mountain woods. April.

FAGUS, L. Beech.

sylvatica, L. F. sylvestris, Michx. f. sylv. Common Beech, White Beech. Woods, in fertile soil. May.

CASTANEA, Gært. Chestnut.

vesca, var. americana, Michx. Chestnut. Woods. June.

pumila, Michx. Chinquapin. Woods, Long Island. Mr. W. R. Prince.

QUERCUS, L. Oak.

tinctoria, Bartr. Black Oak, Quercitron. Woods. May.

rubra, L. Red Oak. Dry hilly woods. May.

palustris, Michx. Water or Pin Oak. Borders of swamps.

ilicifolia, Willd. Q. banisteri, Michx. Barren Scrub Oak. Sandy woods, and on mountains. May.

stellata, Willd. Q. obtusiloba, Michx. Post Oak. Sandy woods, Long Island.

olivæformis, Michx. f. sylv. Banks of the Hudson, near Albany. This has not been found by any other botanist than the younger Michaux.

alba, L. White Oak. Woods.

bicolor, Willd. Swamp White Oak. Borders of swamps.

montana, Willd. Rock Chestnut Oak. Rocky woods, along rivers.

prinoides, Willd. Q. chinquapin, Michx. f. Dwarf Chestnut Oak. Sandy woods.

coccinea, Wang. Scarlet Oak. Woods.

SUB-ORDER BETULÆ. THE BIRCH TRIBE.**BETULA, L. Birch.**

populifolia, Ait. White Birch. Rocky and sandy woods.

papyracea, Ait. Canoe Birch. Forests in the north part of the State.

BETULA, (continued.)

lenta, L. *B. carpinifolia*, Michx. *Cherry Birch*, *Sweet Birch*.
Woods.

excelsa, Ait. *B. lutea*, Michx. *f. sylv.* *Yellow Birch*. Woods,
and borders of swamps.

nana, L. *Dwarf Birch*. High mountains of Essex county.

ALNUS, Willd. *Alder*.

serrulata, Willd. *Common Alder*. Swamps and wet thickets.
March.

incana, Willd.? Sources of the Hudson, Essex county.

SUB-ORDER SALICINEÆ. THE WILLOW TRIBE.

SALIX, L. *Willow*.

♂ *viminalis*, L. *Osier*, *Basket Willow*. Banks of streams. April.
Muhlenbergiana, Willd. Dry woods and sandy thickets. April.
tristis, Muhl. Dry woods. April-May.

pedicellaris, Pursh. Swamps, usually on mountains. May.

conifera, Wang. *S. eriocephala*, Michx.? Wet thickets. April.
myricoides, Muhl. Swamps. April.

prinoides, Pursh. Swamps. April. Distinct from the preceding?
discolor, Willd. Low grounds. April.

longifolia, Muhl. River banks. May.

♂ *babylonica*, L. *Weeping Willow*. About houses. April.

nigra, Marsh. Banks of streams. May.

longirostris, Michx. Wet thickets and woods. April.

rigida, Muhl. Borders of swamps. April.

lucida, Muhl. With the preceding. April.

cordata, Muhl. Low wet grounds. April.

grisea, Willd. Low grounds. April.

♂ *vitellina*, L. About houses, and along brooks. April.

uva-ursi, Pursh? Mount Marcy. July. Whiteface Mountain,
Dr. Emmons.

I have several other undetermined species of Willow, collected
in this State.

POPULUS, L. *Poplar*.

balsamifera, Michx. *Balsam Poplar*, *Tacamahac*. Shores of
Lake Champlain. Michx. *f.*

♂ *candicans*, Ait. About houses. April.

POPULUS, (continued.)

- tremuloides, *Michx.* *American Aspen.* Dry woods. April.
 tremula, *L.* *P. grandidentata, Michx.* *Large Aspen.* Woods.
 lævigata, *Ait.* *P. canadensis, Michx. f.* *Cotton-wood.* Western
 part of New-York. *Michaux:*
 nigra, *Michx.* *P. hudsonica, Michx. sylv.* *P. betulifolia, Pursh.*
 Black Poplar. Banks of the Hudson above Al-
 bany, *Michx. fil.* Borders of Oneida lake.

SUB-ORDER MYRICEÆ. THE GALE TRIBE.

MYRICA, *L.*

- gale, *L.* *Sweet Gale.* Borders of lakes, generally in moun-
 tainous tracts. May.
 cerifera, *L.* *Bayberry, Wax Myrtle.* Woods and thickets. May.

COMPTONIA, *Banks.*

- asplenifolia, *Ait.* *Sweet Fern.* Dry woods. April-May.

SUB-ORDER PLATANÆ. THE PLANE TRIBE.

PLATANUS, *L.* *Plane Tree.*

- occidentalis, *L.* *Button-wood, Sycamore.* Banks of rivers. May.

SUB-ORDER STYRACIFLUEÆ.

LIQUIDAMBAR, *L.* *Sweet Gum Tree.*

- styraciflua, *L.* *Bilested.* Woods. April.

ORDER ULMACEÆ. THE ELM TRIBE.

ULMUS, *L.* *Elm.*

- americana, *L.* *White Elm.* Low woods. April-May.
 fulva, *Michx.* *U. rubra, Michx. f. sylv.* *Slippery Elm, Red Elm.*
 Rocky banks of rivers. April.
 racemosa, *Thomas.* Western counties, *Mr. Thomas, Dr. Kneis-*
 kern.

CELTIS, *L.* *Hackberry.*

- occidentalis, *L.* *Hoop Ash, Beaver-wood.* Woods. May.

ORDER JUGLANDACEÆ. THE WALNUT TRIBE.

JUGLANS, L. *Walnat.*

nigra, L. *Black Walnut.* Woods. May.

cinerea, L. *Butternut.* Woods. May.

CARYA, Nutt. *Hickory.*

sulcata, Nutt. *Juglans laciniosa*, Michx. sylv. *Thick Shell-bark Hickory.* Fertile woods.

alba, Nutt. *Juglans squamosa*, Michx. sylv. *Shell-bark Hickory, Kiskytom.* Fertile woods.

tomentosa, Nutt. *Common Hickory, Mochee-nut.* Woods.

amara, Nutt. *Bitter-nut.* Dry woods. May.

porcina, Nutt. *Pig-nut, Broom Hickory.* Dry fertile woods.

CLASS II. GYMNOSPERMS.

ORDER CONIFERÆ. THE FIR TRIBE.

PINUS, L. *Pine.*

resinosa, Ait. *P. rubra*, Michx. f. sylv. *Red Pine.* Heldeberg mountain. Beck.

rigida, L. *Pitch Pine.* Woods, in poor soil.

strobus, L. *White Pine, Weymouth Pine.* Fertile soils, and swamps.

variabilis, Lamb. *P. mitis*, Michx. *Yellow Pine.* Banks of the Hudson, a little below Albany. Michx. fil.

ABIES, Juss. (ABIES and LARIX, Tourn.)

nigra, Michx. f. sylv. *A. denticulata*, Michx. fl. *Pinus nigra*, Ait. *Black or Double Spruce.* Wet rocky soils and swamps. The Red Spruce, *Pinus rubra*, Lamb. appears to be only a variety of this species.

alba, Michx. *Pinus alba*, Ait. *White or Single Spruce.* Rocky damp soils and swamps.

balsamea, Mill. *A. balsamifera*, Michx. *Pinus balsamea*, Ait. Mountains. Not found south of Catskill.

canadensis, Michx. *Pinus canadensis*, L. *Hemlock Spruce.* Rocky woods, and along mountain ravines.

pendula. *Pinus pendula*, Ait. *Larix americana*, Michx. *American Larch, Tamarack, Hackmatack.* Swamps.

THUYA, L. *Arbor Vitæ*.

occidentalis, L. Rocky hills, along rivers. May.

CUPRESSUS, L. *Cypress*.thuyoides, L. *White Cedar*. Swamps, Long Island. May.JUNIPERUS, L. *Juniper*.virginiana, L. *Red Cedar*. Rocky banks and dry hills. Sir W. Hooker considers this species as identical with *J. sabina*. May.communis, L. *Common Juniper*. Dry rocky woods. May.

SUB-ORDER TAXINEÆ.

TAXUS, L. *Yew*.canadensis, L. *American Yew, Running or Ground Hemlock*. Moist rocky places. April.

CLASS III. ENDOGENS, OR MONOCOTYLEDONS.

ORDER AMARYLLIDACEÆ. THE NARCISSUS TRIBE.

HYPOXIS, L. *Star Grass*.

erecta, L. Woods. May-July.

ORDER IRIDACEÆ. THE IRIS TRIBE.

SISYRINCHIUM, L. *Blue-eyed Grass*.

anceps, L. Meadows. July.

Var. mucronatum. *S. mucronatum, Michx.* Sandy woods, Long Island, &c.

IRIS, L.

versicolor, L. *I. virginica, Pursh. Blue Flag*. Wet grounds. June-July.virginica, L. *I. prismatica, Pursh. I. gracilis, Bigel.* Margins of swamps. June.

ORDER HYDROCHARACEÆ. THE FROG-BIT TRIBE.

HYDROCHARIS, L. *Frog's-bit*.

cordifolia, Nutt. Braddock's Bay, Lake Ontario. Dr. Bradley.

UDORA, *Nutt.*

canadensis, *Nutt.* *Elodea canadensis*, *Michx.* Lakes and still water. August.

VALISNERIA, *L.*

spiralis, *L.* *V. americana*, *Michx.* Slow flowing water. Common in the Hudson north of the Highlands. Aug.

ORDER ORCHIDACEÆ. THE ORCHIS TRIBE.

HABENARIA, *Willd., R. Br.*§ 1. *Platanthera*, *Rich., Lindl.*

orbiculata, *Torr.* *Orchis macrophylla*, *Goldie.* Woods. June-July.

Hookeriana, *Torr.* *Orchis orbiculata*, *Hook.* Woods. June.

ciliaris, *R. Br.* Swamps. July-August.

blephariglottis, *Hook.* Swamps. July-August.

dilatata, *Spreng.* Swamps, northern counties. June-July.

hyperborea, *R. Br.* Swamps. June-July.

flava, *Gray in Sill. Jour.* 1840. *Orchis flava*, *L.* *Habenaria herbiola*, *R. Br.* Moist woods. June-July.

psycodes, *Gray, l. c.* *Orchis psycodes*, *L.* *O. fimbriata*, *Ait.* *O. fissa* and *incisa*, *Muhl. and Willd.*

Var. *grandiflora*, *Gray, l. c.* *Orchis grandiflora*, *Bigel.* Meadows and swamps. June-July.

lacera, *Gray, l. c.* *Orchis lacera*, *Michx.* *O. psycodes*, *Willd.;* not of *Linn.*

obtusata, *R. Br.* Sphagnous swamps and wet woods, northern counties. June-July.

§ 2. *Peristylus*, *Lindl.*

bracteata, *R. Br.* Shady woods. June.

tridentata, *Hook.* Swamps. July-August.

ORCHIS, *L.*

spectabilis, *L.* Rocky woods. May.

MICROSTYLIS, *Nutt.*

ophioglossoides, *Nutt.* Swamps, and about the roots of trees. June.

brachypoda, *Gray.* Deep shady swamps. Fairfield, Herkimer county, *Prof. Hadley.* Oneida county, *Dr. Gray* and *Dr. Bradley.* July.

LIPARIS, Rich.

liliifolia, Rich. *Malaxis liliifolia, Sw.* Swamps and shady woods.
June-July.

loeseli, Rich. *Malaxis correana, Bart.* Swamps. Clinton, Oneida
county, *Dr. Bradley.*

TIPULARIA, Nutt.

discolor, Nutt. Parma, Monroe county. July. *Dr. Bradley.*

APLECTRUM, Nutt.

hyemale, Nutt. *Putty-root, Adam & Eve.* Shady fertile woods,
northern and western counties. July. *Dr. Gray*
and *Dr. Bradley.* Washington county, *Dr. Ste-*
venson.

CORALLORHIZA, Swartz. Coral-root.

verna, Nutt. Sphagnous swamps. May.

odontorhiza, Nutt. Damp fertile woods. August-September.

multiflora, Nutt. Woods. August-September.

The last two species may not be distinct.

ARETHUSA, L.

bulbosa, L. Sphagnous swamps. June.

POGONIA, Juss.

ophioglossoides, R. Br. Swamps. June-July.

verticillata, Nutt. Swamps. Oneida county, *Dr. Kneiskern.*
Eaton, Madison county, *Dr. Bradley.*

TRIPHORA, Nutt.

pendula, Nutt. Rocky woods. June-July.

CALOPOGON, R. Br.

pulchellus, R. Br. Swamps. June-July.

SPIRANTHES, Rich.

tortilis, Rich. *Neottia tortilis, Sw.* Moist grounds, open woods,
&c. July-August.

Var. *gracilis, Torr.* *Neottia gracilis, Bigel.* With the pre-
ceding.

cernua, Rich. *Neottia cernua, Sw.* Swamps and wet thickets.
August-September.

Var. ? *latifolia, Torr.* *S. æstivalis, Rich.?* Swamps; particular-
ly on mountains. July.

LISTERA, R. Br.

cordata, R. Br. Sphagnous swamps. June-July.

GOODYERA, R. Br.

pubescens, R. Br. Shady fertile woods. July-August.

repens, R. Br. Shady moist woods, northern counties. July.

CYPRIPEDIUM, L. Ladies' Slipper.

pubescens, Willd. C. parviflorum, Ait. Mocasin Flower, Noah's Ark. Rocky moist woods. May.

acaule, Ait. Dry woods and sandy thickets. May.

spectabile, Sw. Swamps. June-July.

arietinum, Ait. Near Oneida lake. *Dr. Gray.*

ORDER PONTEDERIACEÆ.**PONTEDERIA, L.**

cordata, L. Pickerel-weed. In water. July-August.

Var. *angustifolia, Torr. P. angustifolia, Pursh.* Mountain lakes. *Pursh.*

SCHOLLERA, Schreb.

graminifolia, Muhl. Leptanthus gramineus, Michx. In flowing waters. July-August.

HETERANTHERA, Ruiz and Pavon.

reniformis, R. & P. Leptanthus reniformis, Michx. Muddy banks of rivers, Fishkill, Hudson, &c. July-August.

ORDER MELANTHACEÆ. THE COLCHICUM TRIBE.**ZIGADENUS, Michx.**

glaucus, Nutt. Shore of Lake Erie. *Dr. Beck.*

LERMANTHIUM, Willd.

virginicum, Willd. Melanthium virginicum, L. Wet meadows. Orange county. *Dr. Horton, fide Beck.* Is not this *L. hybridum*?

VERATRUM, L. White Hellebore.

virida, Ait. Swamps. May.

HELONIAS, L., Gray.

dioica, *Pursh.* *Veratrum luteum, L.* *Blazing Star, Devil's-bit.*
Wet meadows and borders of woods. May-June.

ORDER TRILLIACEÆ.

TRILLIUM, L. Three-leaved Nightshade.

erythrocarpum, *Michx.* *T. pictum, Pursh.* Shady woods. May.
erectum, *L.* *T. atropurpureum, Curt.* Shady rocks. May.

Var. 1. album, *Pursh.* *T. pendulum, Willd.* Western counties.

Var. 2. flavum. Hamilton, Madison county. *Dr. Douglass.*
cernuum, *L.* Woods. May.
grandiflorum, *Salisb.* Shady woods, in rich soil. May.

MEDEOLA, L. Indian Cucumber.

virginica, *L.* Rocky woods and thickets. June.

ORDER LILIACEÆ. THE LILY TRIBE.

LILIUM, L. Lily.

philadelphicum, *L.* Thickets and borders of woods. June.
canadense, *L.* Wet meadows. June-July.
superbum, *L.* Wet meadows. July.

ERYTHRONIUM, L. Dog's-tooth Violet.

americanum, *Smith.* Wet meadows and woods. April.
albidum, *Nutt.* Near Albany. *Dr. Beck* and *Dr. Eights.*

ALLIUM, L.

canadense, *L.* Jefferson county. *Dr. Craze.*
§ vineale, *L.* *Wild Garlic.* Pastures and meadows. June-July.
tricoccum, *Ait.* *Wild Leek.* Woods, in rich soil; western and northern counties. July.

ALETTRIS, L. Star Grass.

farinosa, *L.* *Colic-root.* Sandy thickets. June.

CONVALLARIA, L.

§ *Polygonatum, Desf.*

multiflora, *L.* *C. polygonatum, Muhl.* *C. pubescens, Willd.*
Polygonatum canaliculatum & latifolium, Pursh.
Rocky woods, &c. May-June.

CONVALLARIA, (continued.)

§ *Maianthemum*, Desf.

bifolia, *L.* Shady woods, about the roots of trees. May.

§ *Smilacina*, Desf.

stellata, *L.* Rocky banks. May-June.

trifolia, *L.* Sphagnous swamps, northern and western counties.
June.

racemosa, *L.* Rocky woods, in rich soil. June-July.

§ *Clintonia*, Raf.

borealis. *Dracæna borealis*, *Ait.* *Clintonia borealis*, *Raf.* Moist rocky woods, &c. June.

STREPTOPUS, *Michx.*

roseus, *Michx.* Rocky woods, particularly on mountains. May-June.

amplexifolius, var. *americanus*, *Gray.* *S. distortus*, *Michx.* Deep swamps, near Utica. Near Fairfield, *Prof. Hadley.*

lanuginosus, *Michx.* Cattaraugus and Monroe counties, *Dr. Bradley.* Near Rochester, *Dr. Harris.* Near Auburn, *Mr. Carey.*

UVULARIA, *L.* *Bellwort.*

perfoliata, *L.* Woods and rocky banks. May.

Var. *major*, *Michx.* *U. grandiflora*, *Smith.* Western counties.
Also near Albany.

sessilifolia, *L.* Woods. May.

ASPARAGUS, *L.*

§ *officinalis*, *L.* *Common Asparagus.* Borders of salt marshes, Long Island, and near New-York. June.

ORNITHOGALUM, *L.* *Star of Bethlehem.*

§ *umbellatum*, *L.* Pastures and wet meadows. May.

ORDER COMMELINACEÆ. THE SPIDER-WORT TRIBE.

TRADESCANTIA, *L.* *Spider-wort.*

virginica, *L.* Near Buffalo, *Dr. Kinnicutt.* May.

ORDER ALISMACEÆ. THE WATER-PLANTAIN TRIBE.

SAGITTARIA, *L.* Arrow-head.

sagittifolia, *L.* Ditches and wet grounds. July–August.

Var. 1. *vulgaris*, *Hook.* *S. sagittifolia*, *Ph.*

— 2. *latifolia*, *Torr.* Var. *macrophylla*, *Hook.* *S. latifolia* and *obtusata*, *Ph.*

— 3. *pubescens*, *Torr.*

— 4. *hastata*, *Torr.* *S. hastata*, *Pursh.*

— 5. *gracilis*, *Torr.* *S. gracilis* and *heterophylla*, *Ph.*

— 6. *simplex*, *Hook.* *S. simplex*, *graminea* & *acutifolia*, *Ph.*

— 7. *rigida*, *Torr.* *S. rigida*, *Pursh.*

pusilla, *Nutt.* Muddy banks of streams. August.

ALISMA, *L.* Water Plantain.

plantago, *L.* *A. parviflora*, *Pursh.* In water. July–August.

ORDER JUNCÆ. THE RUSH TRIBE.

LUZULA, *D. C.*

campestris, *D. C.* Meadows and dry woods. April–May.

pilosa, *Willd.* Open woods, banks of rivers, &c. Northern and western counties. May.

melanocarpa, *Desv.* High mountains of Essex county. July.

JUNCUS, *L.* Rush.

effusus, *L.* Low wet grounds. June.

filiformis, *L.* Borders of lakes, northern and western counties. July.

balticus, *Willd.* Sandy shore of Lake Erie and the St. Lawrence. July.

nodosus, *L.* *J. polycephalus*, *Michx.* *J. echinatus*, *Ell.?* Wet meadows and swamps. June.

tenuis, *Willd.* Low grounds, and in dry places. June–July.

acuminatus, *Michx.* Borders of ponds, &c. July.

marginatus, *Rostk.* Sandy wet places. June–July.

bufonius, *L.* Wet low grounds. July.

trifidus, *L.* Summit of Mount Marcy, Essex county.

bulbosus, *L.* Salt marshes. July–August.

stygius, *L.* Sphagnous swamps, near Perch lake, Jefferson county. August. *Dr. Gray.*

ORDER RESTIACEÆ.

SUB-ORDER ERICAULONEÆ.

ERIOCAULON, *L.* *Pipewort.*

septangulare, *With.* *E. pellucidum, Michx.* Ponds and muddy banks. August.

ORDER XYRIDACEÆ.

XYRIS, *L.* *Yellow-eyed Grass.*

caroliniana, *Walt.* Sandy swamps, Long Island. July.

ORDER SMILACEÆ. THE SMILAX TRIBE.

SMILAX, *L.* *Rough Bindweed.*

rotundifolia, *L.* *Cat Brier, Green Brier.* Thickets and woods. June.

caduca, *L.* Sandy fields and hill sides. June. Perhaps not distinct from the preceding.

herbacea, *L.* Meadows and borders of woods. May-June.

ORDER DIOSCOREACEÆ. THE YAM TRIBE.

DIOSCOREA, *L.* *Yam.*

villosa, *L.* Thickets. June-July.

ORDER ARACEÆ. THE ARUM TRIBE.

ARUM, *L.*

dracontium, *L.* *Green Dragon, Dragon-root.* Low grounds. Valley of the Mohawk, &c. May-June.

triphyllum, *L.* *Indian Turnip.* Moist shady places. May.

PELTANDRA, *Raf.*

virginica, *Raf.* *Arum virginicum, L. Lecontea virginica, Cooper.* Rensselaeria virginica, *Beck.* Swamps and wet shady thickets. June-July.

CALLA, *L.* *Water Arum.*

palustris, *L.* Swamps; northern counties. July.

SYMPLOCARPUS, *Salisb.* *Skunk Cabbage.*

foetida, *Nutt.* Low grounds. February-March.

ORONTIUM, *L.* *Golden Club, Floating Arum.*
aquaticum, L. In shallow water. May.

ACORUS, *L.* *Calamus, Sweet Flag.*
calamus, L. Wet meadows and swamps. May-June.

ORDER TYPHACEÆ. THE CAT-TAIL TRIBE.

TYPHA, *L.* *Cat-tail, Reed Mace.*
latifolia, L. Borders of swamps and rivers. June-July.
angustifolia, L. With the preceding.

SPARGANIUM, *L.* *Burr Reed.*
ramosum, L. In shallow ponds and streams. June.
simplex, Smith. S. americanum, Nutt. Borders of streams. July.

ORDER FLUVIALES.

NAJAS, *L.*
canadensis, Michx. Ponds and slow-flowing water. July.

ZOSTERA, *L.* *Grasswrack.*
marina, L. Seashore and salt-water bays.

ZANNICHELLIA, *L.* *Triple-headed Pondweed.*
palustris, L. *Z. intermedia, Torr.* Ditches and shallow ponds;
 most common in brackish water. July.

RUPPIA, *L.*
maritima, L. Salt-water ditches. July.

POTAMOGETON, *L.* *Pondweed.*
natans, L. Ponds and slow-flowing water. July.
heterophyllus, Schreb.? *P. fluitans* of American botanists. Ponds,
 &c.
diversifolius, Bart. Flowing water. July-August.
perfoliatus, L. Flowing water. July.
prælongus, Wulff. *P. luteus* of American botanists. Slow-flowing
 deep water. July-August.
compressus, L. *P. zosteræfolius, Schum.?* Flowing water. July.
gramineus, Michx. *P. pauciflorus, Pursh.* Small streams. July-
 August.
pectinatus, L. *P. marinus, Michx.* Fresh and brackish water.
 July.

ORDER JUNCAGINACEÆ. THE ARROW-GRASS TRIBE.

TRIGLOCHIN, *L.* Arrow Grass.

- palustre, *L.* Marshes. Near Buffalo, *Dr. Kinnicut.* Salina.
 maritimum, *L.* Salt marshes, near New-York and Salina. July.
 elatum, *Nutt.* Marshes. Gorham, *Dr. Aikin.* Near Bridge-
 water, &c. *Dr. Gray.* June-July.

SCHEUCHZERIA, *L.*

- palustris, *L.* Sphagnous swamps; western and northern counties.
 July. Near Albany, *Dr. Beck.*

ORDER PISTIACEÆ. THE DUCKWEED TRIBE.

LEMNA, *L.* Duckweed, Duck's-meat.

- polyrrhiza, *L.* Ditches and stagnant waters.
 gibba, *L.* Near Liverpool, Onondaga county. *Pursh.*
 minor, *L.* Stagnant waters.
 trisulca, *L.* Ditches and ponds. July.

ORDER CYPERACEÆ. THE SEDGE TRIBE.

DULICHIMUM, *Rich.*

- spathaceum, *Pers.* Borders of ponds, &c. August-September.

CYPERUS, *L.* Galingale.

- flavescens, *L.* Boggy places, especially near salt water. August-
 September.
 diandrus, *Torr.* Wet places, near salt water. September.
 Var. castaneus, *Torr.* Muddy and sandy shores. August-
 September.
 Nuttallii, *Torr.* Borders of salt marshes. August.
 Michauxianus, *Schultz.* Borders of salt marshes. August.
 strigosus, *L.* Low moist grounds. August.
 repens, *Ell.* C. phymatodes, *Muhl.* Wet sandy places. August.
 filiculmis, *Vahl.* C. mariscoides, *Ell.* Dry sterile soils. Sept.
 Grayii, *Torr.* Sandy fields, Long Island. August-September.
 dentatus, *Torr.* Sandy wet places. September.
 inflexus, *Muhl.* C. uncinatus, *Pursh.* Sandy banks of rivers and
 lakes, north and west of Albany. Albany. Aug.
 Schweinitzii, *Torr.* Sandy shore of Lake Ontario, near Brad-
 dock's Bay. *Dr. Bradley.*

CYPERUS, (continued.)

ovularis, *Torr.* *Mariscus ovularis*, *Vahl.* Sandy soils, in dry and moist situations. August–October.

MARISCUS, *Vahl.*

retrofractus, *Vahl.* Sandy soils, near New-York. July.

FUIRENA, *Rottb.*

squarrosa, var. γ . *Torr. Cyp.* Bogs and swamps, Long Island.

Var. 2: *pumila*, *Torr. Cyp.* Wet sandy places, Long Island.
August–September.

ELEOCHARIS, *R. Br.*

palustris, *R. Br.* Low wet places. May–June.

olivacea, *Torr.* Sandy swamps, Long Island. July.

intermedia, *Schultes.* Wet places, and in shallow running water.
Oneida county. *Dr. Gray.*

obtusa, *Schultes.* *Scirpus capitatus*, *Walt.*; not of *Linn.* Bogs and ditches. July.

tuberculosa, *R. Br.* Sandy swamps, Long Island. August.

acicularis, *R. Br.* Borders of ponds. June.

tenuis, *Schultes.* Bogs and margin of swamps. May.

pygmæa, *Torr.* Salt marshes, near New-York. August.

SCIRPUS, *L.* *Club-rush.*

planifolius, *Muhl.* Dry woods and bogs.

subterminalis, *Torr.* Slow-flowing water. August.

rostellatus, *Torr.* Yates county. *Dr. Sartwell.*

cæspitosus, *L.* High mountains of Essex county. July.

debilis, *Pursh.* Sandy shores, in wet places. July.

lacustris, *L.* *Bulrush.* In fresh water. June.

maritimus, *L.* Salt marshes. Near New-York, and on Long Island.

Var. *fluviatilis*, *Torr.* Swamps and borders of lakes; western and northern counties.

triqueter, *L.* Swamps and wet meadows, both salt and fresh.

mucronatus, *Vahl.?* Swamp near West Point. *Prof. Bailey.*

atrovirens, *Muhl.* Wet meadows and swamps. June.

brunneus, *Muhl.* Swamps. August.

eriphorum, *Michx.* Borders of swamps, and wet meadows.

lineatus, *Michx.* Near Poughkeepsie. *Mr. Dudgeon.* This species has not been found in the State by any other botanist.

ERIOPHORUM, L. Cotton Grass.

alpinum, L. Sphagnous swamps; northern and western counties. May-June.

vaginatum, L. Deep sphagnous swamps; northern and western counties. Also on the high mountains of Essex.

virginicum, L. Swamps. July.

polystachyum, L. Boggy meadows. June.

angustifolium, Reichard. Sphagnous swamps; northern and western counties. *Dr. Gray.* June:

Var. *brevifolium, Torr.* Near Utica. *Dr. Gray.*

FIMBRISTYLIS, Vahl.

spadicea, Vahl. Wet meadows, particularly near salt water. Island of New-York.

ISOLEPIS, R. Brown.

subsquarrosa, Schrad. *Scirpus subsquarrosus, Muhl.* Sandy shores of lakes and rivers; northern and western counties. August.

capillaris, Ræm. & Schult. *Scirpus capillaris, L.* Sandy fields. July.

TRICHELOSTYLIS, Lestib.

mucronulata, Torr. *Scirpus mucronulatus, Michx.* *S. autumnalis, Pursh.* Moist sandy soils; rarely in dry places. July-September.

RHYNCHOSPORA, Vahl.

alba, Vahl. Swamps. July.

capillacea, Torr. Swamps, Yates county, *Dr. Sartwell.* On limestone rocks, Jefferson county, *Dr. Gray.*

fusca, Ræm. & Schult. Genesee county, *Dr. Bradley.*

gracilentia, Gray. Putnam county, *Dr. Barratt.*

glomerata, Vahl. Low moist grounds. July-August.

cephalantha, Gray. Sandy swamps. Long Island.

CLADIUM, Browne.

mariscoides, Torr. *Schoenus mariscoides, Muhl.* Wet meadows. July.

SCLERIA, Bergius.

reticularis, Michx. Sandy swamps, Long Island. August.

SCLERIA, (continued.)

laxa, Torr. *S. reticularis*, Muhl.; not of Michx. With the preceding.

triglomerata, Michx. Wet thickets and borders of swamps. July.

verticillata, Muhl. Swamps, Yates county. Dr. Sartwell.

pauciflora, Muhl. Greece, Monroe county. Dr. Bradley.

CAREX, L. Sedge.

dioica, L.? Swamps, Yates county. Dr. Sartwell.

exilis, Dewey. Sphagnous swamps, Oneida county. Dr. Kneiskern.

chordorrhiza, Ehrh. Northern and western counties. June.

disperma, Dew. Swamps; often on mountains.

rosea, Schk. Woods and low grounds. May.

Var. *retroflexa*, Torr. & Gr. *C. retroflexa*, Muhl. Wet places. May.

cephalophora, Muhl. Dry woods and hill sides. April.

sparganioides, Muhl. Low grounds and thickets. May.

stipata, Muhl. Wet meadows. April.

bromoides, Schk. Moist woods and wet meadows. May.

vulpinoidea, Michx. *C. multiflora*, Muhl. Swamps and low grounds. May.

decomposita, Dew. Yates county. Dr. Sartwell.

paniculata, var. *teretiuscula*, Wahl. Swamps. May.

Muhlenbergii, Schk. Rocky woods. May.

bromoides, Schk. Swamps. May.

trisperma, Dew. Shady swamps, and mountain woods. June.

Deweyana, Schw. Moist woods. June.

tenuiflora, Wahl. Swamps. Near Ogdensburgh, Dr. Crawe. Oriskany swamp, Oneida county, Dr. Kneiskern.

stellulata, Good. *C. scirpoides*, Schk. *C. sterilis*, Willd. Swamps and wet meadows. May.

curta, Good. *C. Richardi*, Michx. Swamps.

scoparia, Schk. Wet meadows. May.

Var. *lagopodioides*. *C. lagopodioides*, Willd. Wet meadows.

festucea, Schk. Moist woods and meadows. May.

cristata, Schw. Swamps and wet meadows. May.

straminea, Willd. Swamps. May.

Var. *minor*. *C. tenera*, Dew. Swamps. May.

aurea, Nutt. Wet borders of streams, and in swamps. June.

saxatilis, L. Summit of Mount Marcy, Essex county. August.

CAREX, (continued.)

cespitosa, *L.?* *Schk.* Swamps; northern and western counties.
acuta, *L.?* *Schk.* Bog meadows. May.

aquatilis, *Wahl.* Wet borders of lakes, western counties. *Dr. Gray.*

crinita, *Lam.* Swamps, and along streams. May-June.

leucoglochin, *Ehrh.* *C. pauciflora*, *Willd.* Sphagnous swamps; northern and western counties.

polytrichoides, *Muhl.* Moist woods and low grounds. May.

Willdenovii, *Schk.* Jefferson county, *Dr. Gray.* Yates county, *Dr. Sartwell.* Moist shady places. June.

pedunculata, *Muhl.* Woods and hill sides. April-May.

squarrosa, *L.* Low wet grounds. May.

Buxbaumii, *Wahl.* Swamps; northern and western counties. June.

triceps, *Michx.* *C. hirsuta*, *Willd.* Meadows and open moist woods. May-June.

virescens, *Muhl.* Woods and shady hill sides. May-June.

gracillima, *Schw.* Woods and wet meadows. May.

formosa, *Dew.* Wet meadows. May.

Davisii, *Torr. & Schw.* *C. Torreyana*, *Dew.* Moist banks of rivers; western counties. May.

lanuginosa, *Michx.* *C. pellita*, *Muhl.* Wet meadows and swamps. May.

vestita, *Willd.* Wet grounds. May-June.

pennsylvanica, *Lam.* *C. marginata*, *Muhl.* Dry woods. April.

Var. *Muhlenbergii*, *Gray.* *C. varia*, *Muhl.* With the preceding.
novæ-angliæ, *Schw.* Mount Marcy, Essex county. June.

pubescens, *Muhl.* Woods and rocky hill sides. May.

striata, *Michx.* *C. polymorpha*, *Muhl.* *C. Halseyana*, *Dew.* Swamps; western counties. June.

oligocarpa, *Schk.* *C. Sartwelliana*, *Gay.* Western counties. *Dr. Sartwell.*

Var. *major.* *C. Hitchcockiana*, *Dew.* With the preceding.
laxiflora, *Muhl.* Wet meadows. May.

conoidea, *Schk.* Moist woods, in fertile soil. April-May.

tetanica, *Schk.* Wet meadows. May.

eburnea, *Boott.* *C. alba*, *Dewey* and American botanists; not of *Hænke.* Limestone hills, northern and western counties. June.

CAREX, (continued.)

anceps, *Muhl.* *C. striatula*, *Michx.* *C. plantaginea* & *conoidea*,
Muhl. Woods and low grounds. April-May.

plantaginea, *Lam.* Shady ravines. April.

Careyana, *Dew.* Woods near Auburn. *Mr. Carey.*

digitalis, *Willd.* *C. oligocarpa*, *Schw.*, *Torr.* & *Dew.*; not of
Schk. Rocky woods. May.

sylvatica, *Huds.* Borders of swamps. June.

debilis, *Michx.* *C. flexuosa*, *Muhl.* Wet woods. June.

livida, *Willd.* *C. Grayana*, *Dew.* Sphagnous swamps, Oneida
county. June. *Dr. Gray* and *Dr. Kneiskern.*

cederi, *Ehrh.* *C. viridula*, *Michx.* Wet rocks and sandy shores.
Lake Ontario, &c. June.

flava, *L.* Meadows and low grounds. May.

folliculata, *L.* *C. xanthophysa*, *Wahl.* Swamps. June-July.

subulata, *Mich.* Cedar swamps, Long Island. June-July.

intumescens, *Rudge.* *C. folliculata*, *Schk.*; not of *Linn.* Wet
woods. June.

lupulina, *Muhl.* Swamps. June.

Var. *polystachya*, *Torr.* & *Schw.* Putnam county. *Dr. Barratt*

Var. *pedunculata*, *Gray.* Shore of Lake Erie. *Dr. Gray.*

tentaculata, *Muhl.* Low wet meadows. June.

retrorsa, *Schw.* Swamps. June.

oligosperma, *Michx.* *C. Oakesiana*, *Dew.* Wet borders of small
lakes, Essex county. July.

bullata, *Schk.* Swamps. June.

Var.? *cylindracea*, *Torr.* & *Gr.* *C. vesicaria*, α and β , *Dew.*
Swamps.

physocarpa, *Boott.* *C. vesicaria*, *Schw.* & *Torr.*; not of *Linn.*
C. ampullacea, *Dewey.*

Schweinitzii, *Dew.*

aristata, *R. Br.* Watertown, New-York. *Dr. Craue.*

trichocarpa, *Muhl.* Swamps. May.

lacustris, *Willd.* Borders of lakes. June.

scabrata, *Schw.* Shady swamps. May.

hystericina, *Muhl.* Wet meadows. May.

pseudo-cyperus, *L.* Swamps. May.

longirostris, *Torr.* Shady rocky places; northern counties. June.

limosa, *L.* Sphagnous swamps; northern and western counties.
June.

CAREX, (continued.)

- Var. *irrigua*, *Wahl.* *C. paupercula*, *Michx.* With the preceding.
- flexilis*, *Rudge.* *C. blepharophora*, *Gray.* Moist shady places. Oneida county, *Dr. Gray.* Essex county, *Dr. Kneiskern.* June.
- miliacea*, *Muhl.* Wet grassy banks. May.
- pallescens*, *L.* Wet grounds. May.
- umbellata*, *Schk.* Rocky hills. June.

ORDER GRAMINEÆ. THE GRASS TRIBE.

The Grasses are here arranged nearly as they are described in my Flora of the Middle and Northern States, and in Dr. Beck's Botany. A more natural arrangement of them will be adopted in my final report.

AGROSTIS, *L.* Bent Grass.

- ♂ *stricta*, *Willd.* Sandy fields, near Oneida lake. June.
- ♂ *polymorpha*, *Huds.* *A. vulgaris* and *alba*, *L.* Red-top, *Fiorin Grass*, *Herd's Grass.* Meadows, road sides, &c. June-August.
- Michauxii*, *Trin.* *Trichodium laxiflorum*, *Michx.* Thin Grass. Fields and meadows.
- cryptandra*, *Torr.* Near Buffalo, *Dr. Aikin.* Probably a *Vilfa*.

BRACHYELYTRUM, *P. de Beauv.*

- aristatum*, *P. de B.* *Muhlenbergia aristata*, *Roth.* *Dilepyrum aristosum*, *Michx.* Rocky hills and woods. June.

MUHLENBERGIA, *Schreb.*

- mexicana*, *Trin.* *Agrostis mexicana*, *L.* *A. lateriflora*, *Michx.* *A. mexicana* and *filiformis*, *Muhl.* Wet grounds. August.
- sobolifera*, *Trin.* *Agrostis sobolifera*, *Muhl.* Rocky hill sides. August.
- Willdenovii*, *Trin.* *Agrostis tenuiflora*, *Willd.* Rocky woods. July-August.
- sylvatica*, *Torr.* *Agrostis sylvatica*, *Torr. fl.* Rocky hill sides, near rivers. August.
- glomerata*, *Trin.* *Agrostis setosa*, *Muhl.* *Polypogon racemosus*, *Nutt.* Swamps. August-September.

MUHLENBERGIA, (continued.)

- cinna, *Trin.* *Cinna arundinacea*, *L.* Swamps and wet shady woods. August.
- diffusa, *Schreb.* Rocky hill sides and fields. August.

VILFA, *Adans.*

- serotina, *Torr. in Gray's Gram. & Cyp.* *Agrostis serotina*, *Torr.* *fl.* Sandy swamps, Long Island. September.
- vaginæflora, *Torr. l. c.* *Agrostis virginica*, *Muhl.*, not of *Linn.* Sandy soils and sterile hill sides. September-October.
- longifolia, *Torr. l. c.* *Agrostis longifolia*, *Torr. fl.* Sandy fields, Long Island. September.
- heterolepis, *Gray.* Rocks, Jefferson county. *Dr. Gray.* August-September.

ALOPECURUS, *L.* Fox-tail Grass.

- § pratensis, *L.* Fields and pastures. June.
- geniculatus, *L.* Wet meadows. June.
- Var. aristulatus, *Torr.* *A. aristulatus*, *Michx.* With the preceding.

PHLEUM, *L.* Cat-tail Grass.

- § pratense, *L.* *Timothy*, *Herd's Grass.* Fields. June-August.

PHALARIS, *L.* Canary Grass.

- arundinacea, *L.* Swamps. July.
- § canariensis, *L.* Fields and pastures.

MILIUM, *L.* Millet Grass.

- effusum, *L.* Wet woods. July. Northern and western counties.
- pungens, *Torr.* Rocky hills. May.

PIPTATHERUM, *P. de Beauv.*

- nigrum, *Torr.* *Oryzopsis melanocarpa*, *Muhl.* Rocky woods. August.

STIPA, *L.* Feather Grass.

- avenacea, *L.* Dry woods and hill sides. June.

ORYZOPSIS, *Michx.*

- asperifolia, *Michx.* *Mountain Rice.* Woody hill sides; western counties. April-May.

PANICUM, L. *Panic Grass.*

§ *crus-galli*, L. Fields and cultivated grounds. August–Sept.
hispidum, Muhl. Borders of salt marshes. August–September.
clandestinum, L. Woods and thickets. July–August.

Var. *pendunculatum*. *P. pendunculatum*, Torr. fl. Woods.
latifolium, L. Woods and moist thickets. June.

dichotomum, L. Woods and moist low grounds. A very polymorphous species, including *P. nitidum*, Lam. and of my Flora of the Northern & Middle States, as well as numerous species described in more recent works.

agrostoides, Muhl. Wet meadows. July–August.

depauperatum, Muhl. *P. rectum*, Ræm. & Schult. *P. involutum*, Torr. fl. *P. strictum*, Pursh, not of R. Br. Dry woods and sterile hills. May–June.

virgatum, L. Sandy shores. August.

verrucosum, Muhl. *P. debile*, Ell. Sandy swamps, Long Island.
prolificum, Lam. *P. geniculatum*, Muhl. Wet meadows, and also in sandy fields. September.

xanthophysum, Gray. Dry pine barrens; western counties. June–July. Dr. Gray, Dr. Sartwell.

capillare, L. Sandy fields and cultivated grounds; also in dry woods. August–September.

SETARIA, P. de Beauv.

§ *viridis*, P. de B. Bottle Grass. Cultivated grounds. July.

§ *glauca*, P. de B. Fox-tail Grass. Fields and road sides. July.

DIGITARIA, Haller. Crab Grass.

§ *sanguinalis*, Scop. Common Crab Grass. Cultivated grounds, &c. August–September.

glabra, R. & S. Sandy fields. August–September.

filiformis, Muhl. Sandy fields. August.

PASPALUM, L.

ciliatifolium, Michx. Sandy fields, August–September.

læve, Michx. Grassy banks and moist meadows. August.

CENCHRUS, L. Hedgehog Grass.

tribuloides, L., Muhl. *C. echinatus*, Muhl. Sandy shores of Long Island and the Island of New-York. July–August.

ARISTIDA, L.

dichotoma, *Michx.* Barren fields. July.

gracilis, *Ell.* Sandy fields. Long Island.

CALAMAGROSTIS, Roth.

canadensis, *P. de Beauv.* Wet meadows. August.

coarctata, *Torr. in Gray's Gram. & Cyp.* *C. canadensis, Nutt.*

Arundo coarctata, Torr. fl. Wet thickets. Aug.

inexpansa, *Gray.* Swamps; northern and western counties. July.

arenaria, *Roth.* *Arundo arenaria, L.* Sandy seacoast of Long Island. August–September.

ANTHOXANTHUM, L. Sweet-scented Vernal Grass.

♂ odoratum, *L.* Moist meadows and open woods. June–August.

AIRA, L. Hair Grass.

flexuosa, *L.* Dry woods and rocky hills. June.

cespitosa, *L.* *A. aristulata, Torr. fl.* Moist situations, along rivers. June.

atropurpurea, *Wahl.* Sources of the Hudson, Essex county. Aug.

TRisetum, Pers.

palustre, *Torr.* *Avena pennsylvanica, L.* *A. palustris, Michx.* Wet meadows. May–July.

purpurascens, *Torr.* *Avena striata, Michx.* Northern and western counties. Wet woods and banks of rivers. June.

molle, *Trin.* *Avena mollis, Michx.* Rocky banks of rivers; northern and western counties. July.

HOLCHUS, L. Soft Grass.

♂ lanatus, *L.* Wet meadows. July.

HIEROCHLOA, Gmel.

borealis, *R. & S.* *Holchus odoratus, L.* *H. fragrans, Ph. Seneca Grass.* Wet meadows. May.

alpina, *R. & S.* High mountains of Essex county. June.

URALEPIS, Nutt.

aristulata, *Nutt.* Sandy shores about New-York, and on the seacoast of Long Island. August.

ARUNDO, L. Reed Grass.

phragmites, *L.* Borders of ponds and swamps. August.

DANTHONIA, *D. C.*

spicata, *P. de Beauv.* Woods and fields. June–August.

FESTUCA, *L. Fescue Grass.*

§ duriuscula, *L.* Sandy fields. June.

tenella, *Willd.* Sandy fields and dry banks. June.

§ elatior, *L.* Wet meadows. June.

§ pratensis, *Huds.* Fields and meadows. June.

nutans, *Willd.* Woods and rocky shady places. June.

fascicularis, *Lam.* Borders of salt marshes, Long Island. August.

GLYCERIA, *R. Br. Manna Grass.*

fluitans, *R. Br.* Stagnant waters and ponds. June.

acutiflora, *Torr.* Wet meadows. June.

POA, *L. Meadow Grass.*

§ annua, *L.* Fields and cultivated grounds. April–August.

dentata, *Torr.* Swamps. June–July.

aquatica, *L.* Wet meadows. July–August.

§ pratensis, *L.* Meadows, road sides, &c. May–July.

§ trivialis, *L.* Wet meadows. June–July.

compressa, *L. Blue Grass.* Fields, woods, and sandy shores. June.

serotina, *Ehrh.* Red-top. Wet meadows. June–July.

nemoralis, *L.* Woods and meadows. June–July.

nervata, *Willd.* Wet meadows. June.

Torreyana, *Spreng.* *P. elongata*, *Torr.*, not of *Willd.* Wet meadows. July.

canadensis, *Torr.* *Briza canadensis*, *Michx.* Swamps. July.

capillaris, *L.* Sandy fields and dry hills. August.

hirsuta, *Michx.* Sandy fields, Long Island. August.

alpina, *L.* Summit of Mount Marcy, Essex county.

pilosa, *L. P. pectinacea*, *Michx.* Sandy fields. July–August.

reptans, *Michx.* Wet sandy shores, north and west of Albany.

§ eragrostis, *L.* Sandy fields. July–September.

OBS. An undetermined species, probably new, occurs in woods, in the northern and western counties. It will be fully described in my final report.

UNIOLA, *L. Spike Grass.*

gracilis, *Michx.* Sandy swamps, Long Island. August.

spicata, *L.* Salt marshes. August–September.

TRICUSPIS, *P. de Beauv.*

seslerioides, *Torr.* *Poa seslerioides*, *Michx.* Sandy fields. Aug.

DACTYLIS, *L.* *Orchard Grass.*

♂ glomerata, *L.* Fields and meadows. June.

KELERIA, *Pers.*

pennsylvanica, *D. C.* Rocky woods. May-June.

truncata, *Torr.* Dry woods. June.

BROMUS, *L.* *Brome Grass.*

♂ secalinus, *L.* *Chess*, or *Cheat*. Cultivated grounds. June.

ciliatus, *L.* Dry woods. June.

purgans, *L.* *B. canadensis*, *Michx.* Woods and river banks.
June-July.

♂? sterilis, *L.* Penn-Yan, Yates county. *Dr. Sartwell.*

ATHEROPOGON, *Muhl.*

apludoides, *Muhl.* Rocky hills, Dutchess and Orange counties.
August.

ELEUSINE, *Gært.* *Dog's-tail Grass.*

♂ indica, *Lam.* Cultivated grounds, pavements of streets, &c.
July-November.

SECALE, *L.* *Rye.*

♂ cereale, *L.* Old fields. June.

ELYMUS, *L.* *Lyme Grass, Wild Rye.*

virginicus, *L.* River banks. July-August.

canadensis, *L.* River banks and rocky hill sides. July.

striatus, *Willd.* Dry rocky hills. July.

hystrix, *L.* Rocky woods. July.

TRITICUM, *L.* *Wheat.*

♂ repens, *L.* *Couch Grass.* Fields and cultivated grounds. July.

LOLIUM, *L.* *Darnel.*

♂ perenne, *L.* Meadows and pastures. June.

ANDROPOGON, *L.* *Beard Grass.*

scoparius, *Michx.* Dry hills and barren fields. August.

virginicus, *L.* Exsiccated swamps. September.

macrourus, *Michx.* Brackish swamps. September-October.

ANDROPOGON, (continued.)

furcatus, *Muhl.* Rocky banks. September–October.

nutans, *L.* Sandy fields and rocky hills. September.

LEERSIA, Swartz. White Grass.

virginica, *Willd.* Wet woods and thickets. August.

oryzoides, *Swartz.* Ditches and swamps. August–September.

ZIZANIA, L. Wild Rice, Water Oats.

aquatica, *Lamb.* *Tuscarora Rice.* Fresh or brackish water. Aug.

OBS. *Z. fluitans*, *Michx.* according to the herbarium of that botanist, was not found in Lake Champlain, as stated by mistake in the *Flora Boreali-Americana*, but near Charleston, South-Carolina.

CLASS IV. ACROGENS.**ORDER EUISETACEÆ. THE HORSE-TAIL TRIBE.****EUISETUM, L. Horse-tail.**

limosum, *L.* Swamps and borders of ponds. June.

sylvaticum, *L.* Moist woods.

hyemale, *L.* *Scouring Rush.* Swamps and wet banks. May–June.

variegatum, *Scleich.* Wet sandy places, among rocks. Niagara, *Dr. Kinnicutt.*

arvense, *L.* Low grounds. April.

scirpoides, *Michx.* Shady rocky places; northern counties.

ORDER FILICES. THE FERN TRIBE.**SUB-ORDER POLYPODIEÆ.****POLYPODIUM, L. Polypody.**

vulgare, *L.* Rocky woods and hill sides. July.

hexagonopterum, *Michx.* Moist woods. July.

phegopteris, *L.* *P. connectile*, *Michx.* Shady woods. July.

calcareum, *Smith.* Moist shady woods; northern and western counties. July.

ASPIDIUM, Swartz. Shield Fern.

acrostichoides, *Willd.* Shady rocky hill sides. June–August.

Var. *incisum*, *Gray.* *A. Schweinitzii*, *Beck.* Shady ravines, near Hamilton College. *Dr. Gray.*

ASPIDIUM, (continued.)

thelypteris, *Sw.* *A. noveboracense*, *Willd.*

Goldianum, *Hook.* Shady woods. July.

marginale, *Sw.* Rocky hill sides. July.

dilatatum, *Sw.* *A. intermedium*, *Willd.* Shady woods. July.

asplenoides, *Sw.* *Nephrodium filix-fœminea* and *asplenoides*,
Michx. Shady woods. July.

lancastricense, *Sw.* *A. cristatum* of American botanists, not of
Swartz. Swamps. July.

CYSTOPTERIS, *Bernh.*

fragilis, *Bernh.* *Cyathea fragilis*, *Sm.* *Aspidium tenue*, *Sw.* *A.*
atomarium, *Willd.* *Nephrodium tenue*, *Michx.*
Moist rocks. June-July.

bulbifera, *Bernh.* *Aspidium bulbiferum*, *Willd.* *Nephrodium*
bulbiferum, *Michx.* Shady rocky places. July.

DICKSONIA, *L'Herit.*

pilosiuscula, *Willd.* *Nephrodium punctilobulum*, *Michx.* Shady
rocky places. July.

WOODSIA, *R. Br.*

obtusa. *W. Perriniana*, *Hook. & Grex.* *Aspidium obtusum*, *Sw.*
Rocky woods. July.

ilvensis, *R. Br.?* *Nephrodium rufidulum*, *Michx.* Sides of rocky
hills. June.

ASPLENIUM, *L.* *Spleenwort.*

rhizophyllum, *L.* *Camptosorus rhizophyllus*, *Presl.* Moist rocks;
generally on limestone. July.

angustifolium, *Michx.* Shady woods. July.

ebeneum, *Willd.* Rocky woods. July.

trichomanes, *L.* *A. melanocaulon*, *Willd.* Shady rocks. July.

thelypteroides, *Michx.* *Diplazium thelypteroides*, *Presl.* Shady
rocky woods. July.

ruta-muraria, *L.* *Wall-rue Spleenwort.* Shady limestone rocks.
July.

WOODWARDIA, *Smith.*

angustifolia, *Smith.* *W. onocleoides*, *Willd.* Swamps: rare.
August.

virginica, *Sw.* *Doodia virginica*, *Presl.* Swamps. July.

SCOLOPENDRIUM, *Smith. Hart's-tongue.*

officinatum, *Sw.* Sides of limestone rocks, near Chittenango Falls.
July.

PTERIS, *L. Brake.*

aquilina, *L. Common Brake*, or *Bracken.* Woods and thickets.
July-August.

atropurpurea, *L. Limestone rocks.* June-July.

CRYPTOGRAMMA, *R. Br.*

gracile. *Pteris gracilis*, *Michx.* *Allosorus gracilis*, *Presl.* Rocks.
Near Whitehall, *Dr. Beck.* Yates county, *Dr.*
Sartwell. Northern counties. July-August.

ADIANTUM, *L. Maidenhair.*

pedatum, *L. Shady woods.* July.

STRUTHIOPTERIS, *Willd.*

germanica, *Willd.* *S. pennsylvanica*, *Willd.* Borders of swamps.
July-August.

ONOCLEA, *L.*

sensibilis, *L. Ragiopteris onocleoides*, *Presl.* Moist woods and
thickets. July.

obtusilobata, *Schk.?* *Ragiopteris obtusiloba*, *Presl.?* Near Salem,
Washington county. *Dr. I. Smith.*

SUB-ORDER OSMUNDEÆ.

OSMUNDA, *L. Flowering Fern.*

Claytoniana, *L. O. interrupta*, *Michx.* Low moist grounds.
June-July.

cinnamomea, *L. Low grounds.* July.

Var. *frondosa*, *Torr. & Gray.* Frond leafy below; fructiferous
at the summit. *O. Claytoniana*, *Beck.*

regalis, *L. O. spectabilis*, *Willd.* Wet meadows and thickets.
July.

LYGODIUM, *Swartz. Climbing Fern.*

palmatum, *Sw.* Western part of the State; locality not recorded.

SUB-ORDER OPHIOGLOSSÆ.

OPHIOGLOSSUM, *L.* *Adder's-tongue.**vulgatum, L.* Low grounds and thickets. June.BOTRYCHIUM, *Swartz.* *Moonwort.**fumarioides, Sw.* Moist woods. July-August.*dissectum, Muhl.* Moist woods. August-September.*virginicum, Sw.* *B. gracile, Michx.* Woods and rocky hills.
May-June.*simplex, Hitchcock.* Highlands of New-York. *Dr. Barratt.*

ORDER LYCOPODIACEÆ. THE CLUB-MOSS TRIBE.

LYCOPODIUM, *L.* *Club Moss.**clavatum, L.* Dry woods. July.*complanatum, L.* Dry woods. July.*obscurum, L.* *L. dendroideum, Michx.* Shady woods. July.*annotinum, L.* Sandy woods and hill sides. July.*inundatum, L.* Wet places; western counties. July.*rupestre, L.* Dry rocks. July.*selago, L.* Summit of Mount Marcy. July. Whiteface Mountain. *Prof. Hall* and *Dr. Emmons.**lucidulum, Michx.* Shady woods and swamps. July-August.*apodum, L.* *L. albidulum, Michx.* Moist woods. July-August.ISCETES, *L.* *Quillwort.**lacustris, L.* Bottom of Oswego River, near the Falls. *Pursh.*

ORDER SALVINIÆ.

SALVINIA, *Guett.**natans, Hoff.* Lakes of still water; western part of the State.
*Pursh.*AZOLLA, *Lam.**caroliniana, Lam.* Ponds and lakes; near New-York. Braddock's Bay, Lake Ontario, *Dr. Bradley.*

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