

TORREYA

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No. 12

THE FLORA OF THE TOWN OF SOUTHDOLD, LONG ISLAND, AND GARDINER'S ISLAND

BY STEWART H. BURNHAM AND ROY A. LATHAM

(Continued from November TORREYA)

PTERIDOPHYTA

OPHIOGLOSSACEAE

- Botrychium dissectum* Spreng.—Rare at Orient and East Marion.
B. neglectum Wood—Rare at East Marion in rich woods.
B. obliquum Muhl.—Rare.
B. virginianum (L.) Sw.

OSMUNDACEAE

- Osmunda cinnamomea* L.
O. Claytoniana L.
O. regalis L.

POLYPODIACEAE

- Adiantum pedatum* L.—Rare at Orient.
Anchistea virginica (L.) Presl.—Greenport in swamps. (*Woodwardia virginica* (L.) J. E. Sm.)
Asplenium platyneuron (L.) Oakes—Orient in cedar woods; also the var. *serratum* (E. S. Miller) BSP.
Athyrium Filix-foemina (L.) Roth—Also the var. *latifolium* Babingt. (*Asplenium Filix-foemina* (L.) Bernh.)
Dennstaedtia punctilobula (Mx.) Moore.
Dryopteris Clintoniana (D. C. Eaton) Dowell—Rare.
D. cristata (L.) A. Gray—Orient.
D. hexagonoptera (Mx.) C. Chr.—Rare at Orient; also occurs at Greenport and Southold. (*Phegopteris hexagonoptera* (Mx.) Fee.)
D. intermedia (Muhl.) Gray—Orient.
D. marginalis (L.) A. Gray—Rare at Orient.
D. noveboracensis (L.) A. Gray—Orient.
D. simulata Davenp.—Orient.
D. spinulosa (Muell.) Ktze.—Orient.
D. Thelypteris (L.) A. Gray.
Lorinseria areolata (L.) Presl.—Greenport in swamps. (*Woodwardia areolata* (L.) Moore.)

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Onoclea sensibilis L.

Polypodium vulgare L.—Mattituck.

Polystichum acrostichoides (Mx.) Schott.—Orient.

Pteridium aquilinum (L.) Kuhn.

EQUISETACEAE

Equisetum arvense L.

LYCOPODIACEAE

Lycopodium complanatum L.—Rare at Greenport.

L. inundatum L.—Rare at Southold, the var. *Bigelovii* Tuck.

L. lucidulum Mx.—Rare at Greenport.

L. obscurum L.—Rare at Greenport, the var. *dendrodeum* (Mx.) D. C. Eaton.

SELAGINELLACEAE

Selaginella rupestris (L.) Spring.—Rare at Orient in sandy soil, Nov., 1910 and 1911.

SPERMATOPHYTA

GYMNOSPERMAE

PINACEAE

Juniperus sibirica Burgsd.—Rare at Southold on sandy hills. (*Juniperus nana* Willd.)

J. virginiana L.—Prostrate forms also occur.

Picea rubens Sargent.—Rare at Orient.

Pinus rigida Mill.

ANGIOSPERMAE

MONOCOTYLEDONES

TYPHACEAE

Typha angustifolia L.

T. latifolia L.

SPARGANIACEAE

Sparganium americanum Nutt.—Rare at Greenport in a stream.

S. androcladon (Engelm.) Morong—Greenport.

S. diversifolium Graeb.—Rare at Southold, 8 Aug., 1910.

S. eurycarpum Engelm.—Rare on Gardiner's Island.

ZANNICHELLIACEAE

Potamogeton Oakesianus Robbins—Greenport and Southold in ponds.

P. pusillus L.—Greenport in a shallow pond.

Ruppia maritima L.—Salt-water ponds and creeks.

ZOSTERACEAE

Zostera marina L.

SCHEUCHZERIACEAE

Triglochin maritima L.—Salt marshes.

ALISMACEAE

Alisma subcordatum Raf.—(Formerly confused with *Alisma Plantago-aquatica* L.)

Sagittaria latifolia Willd.—Rare and variable.

GRAMINEAE

- Agropyron repens* (L.) Bv.—Meadows and cultivated soil.
- Agrostis alba* L.—Also the var. *vulgaris* (With.) Thurb.
- A. canina* L.—Orient.
- A. hyemalis* (Walt.) BSP.—Wooded swamps and brackish meadows; determined in part by Mrs. Agnes Chase.
- A. maritima* Lam.—Salt marshes; determined in part by Mrs. Chase.
- Alopecurus pratensis* L.—Rare at Orient in a low field; determined at the New York Botanical Garden.
- Ammophila arenaria* (L.) Link—Orient.
- Andropogon furcatus* Muhl.—Orient in shaded places.
- A. glomeratus* (Walt.) BSP.—Rare at Orient.
- Anthoxanthum odoratum* L.
- Aristida dichotoma* Mx.
- A. gracilis* Ell.—Orient in meadows; specimens in N. Y. State Herbarium.
- A. purpurascens* Poir—Rare at Gardiner's Island; specimens in N. Y. State Herbarium.
- Arrhenatherum elatius* (L.) Bv.—Determined in part by Mrs. Chase.
- Aspris caryophyllea* (L.) Nash—Greenport. (*Aira caryophyllea* L.)
- Bromus hordeaceus* L.—Orient in sandy soil.
- B. purgans* L.—Rare at Orient.
- B. racemosus* L.—Rare at Orient.
- B. secalinus* L.—Cultivated grounds; determined in part by Mrs. Chase.
- B. tectorum* L.—Rare at Orient in sandy soil.
- Calamagrostis canadensis* (Mx.) Bv.—Low grounds.
- Cenchrus tribuloides* L.—Rare at Orient and Gardiner's Island.
- Chaetochloa glauca* (L.) Scribn.—Orient in cultivated soil.
- C. imberbis* (Poir.) Scribn.—Salt marshes.
- C. italica* (L.) (Scribn.)—Escaped from cultivation at Orient.
- C. viridis* (L.) Scribn.
- Cinna arundinacea* L.—Greenport.
- C. latifolia* (Trev.) Griseb.—Greenport; specimens in N. Y. State Herbarium.
- Cynosorus cristatus* L.—Rare at Orient in waste places.
- Dactylis glomerata* L.—Meadows.
- D. anthonia spicata* (L.) Bv.—Determined in part by Mrs. Chase.
- Deschampsia flexuosa* (L.) Trin.
- Distichlis spicata* (L.) Greene
- Echinochloa Crus-galli* (L.) Bv.
- E. Walteri* (Pursh) Nash.
- Eleusine indica* (L.) Gaertn.
- Elymus canadensis* L.—Beaches.
- E. virginicus* L.—Salt marshes.
- Eragrostis Eragrostis* (L.) Karst.
- E. major* Host.—Rare at Orient.
- E. pectinacea* (Mx.) Steud.—Orient on hillsides.
- E. pilosa* (L.) Bv.—Rare at Orient along roads.
- Festuca capillata* Lam.—Orient in meadows; determined by Mr. P. L. Ricker.
- F. elatior* L.

- F. nutans* Willd.—Orient.
- F. octoflora* Walt.—Orient in light soil.
- F. ovina* L.—Orient; also the var. *pseudovina* Hack., on sandy beaches, determined by Mrs. Chase.
- Homalocenchrus oryzoides* (L.) Poll.—About swamps and ponds.
- H. virginicus* (Willd.) Britton—Greenport.
- Hordeum jubatum* L.—Rare at Orient.
- Lolium perenne* L.—Orient in a meadow.
- Muhlenbergia mexicana* (L.) Trin.
- M. Schreberi* Gmeln.—Orient in cedar woods.
- M. umbrosa* Scribn.—Low woods. (*Muhlenbergia sylvatica* Torr.)
- Nothololcus lanatus* (L.) Nash—(*Holcus lanatus* L.)
- Panicularia acutiflora* (Torr.) Ktze.—Orient about ponds.
- P. grandis* (Wats.) Nash—Determined by Mrs. Chase.
- P. nervata* (Willd.) Ktze.—Greenport in wooded swamps; also the var. *parviflora* (Vasey) in moist woods.
- Panicularia pallida* (Torr.) Ktze.—Greenport.
- P. septentrionalis* (Hitchc.) Bicknell—Greenport in wet woods, specimens with very long panicles.
- Panicum agrostoides* Spreng.—Orient; specimens in N. Y. State Herbarium.
- P. amarum* Ell.—Southold on sandy beaches; specimens in N. Y. State Herbarium.
- P. Ashei* Pearson—Orient; determined by Mrs. Chase.
- P. Bicknellii* Nash.
- P. Boscii* Poir.
- P. capillare* L.—A weed in cultivated soil.
- P. cladestinum* L.
- P. columbianum* Scribn.—Determined by Mrs. Chase.
- P. Commonsianum* Ashe—Determined by Mrs. Chase.
- P. depauperatum* Muhl.—Sandy soil; determined by Mrs. Chase.
- P. dichotomisflorum* Mx.—Cultivated soil. (Formerly confused with *Panicum proliferum* Lam.)
- P. dichotomum* L.—Determined by Mrs. Chase.
- P. huachucae* Ashe—Sandy soil; also the var. *silvicola* Hitchc. & Chase, determined by Mrs. Chase.
- P. implicatum* Scribn.
- P. meridionale* Ashe—Determined by Mrs. Chase. (*Panicum oricola* Hitchc. & Chase.)
- P. microcarpon* Muhl.—Rare at Greenport, also "a rare form with pubescent spikelets" in cedar woods at Orient; determined by Mrs. Chase. (*Panicum barbulatum* Nash.)
- P. polyanthes* Schultes—Determined by Mrs. Chase.
- P. Scribnerianum* Nash—Hilly pastures at East Marion.
- P. sphaerocarpon* Ell.—Greenport; determined by Mrs. Chase.
- P. spretum* Schultes—Orient in wet meadows; reported in N. Y. State Mus. Bull. 139: 27. 1910.
- P. verrucosum* Muhl.—Rare at Orient.
- P. virgatum* L.—Margins of salt marshes; determined in part by Mrs. Chase.
- Paspalum circulare* Nash—Greenport and East Marion; specimens in N. Y. State Herbarium.

- P. Muhlenbergii* Nash.
P. psammophilum Nash.
P. setaceum Mx.—Specimens in N. Y. State Herbarium.
Phleum pratense L.
Phragmites Phragmites (L.) Karst.—Orient in swamps.
Poa annua L.
P. compressa L.—Sandy soil.
P. pratensis L.—Meadows.
P. triflora Gilib.—Orient about ponds; determined in part by Mrs. Chase. (Formerly confused with *Poa flava* L.)
Savastana odorata (L.) Scribn.—Wet meadows.
Schizachyrium scoparium (Mx.) Nash—(*Andropogon scoparius* Mx.)
Sorghastrum nutans (L.) Nash—Orient in moist woods.
Spartina Michauxiana Hitchc.
S. patens (Ait.) Muhl.—Also var. *juncea* (Mx.) Hitchc.; specimens in N. Y. State Herbarium.
S. stricta (Ait.) Roth—The var. *alterniflora* (Lois.) A. Gray.
Sphenoplis pallens (Spreng.) Scribn.—Rare at Orient. (*Eatonia pennsylvanica* (DC.) Gray.)
Sporobolus asper (Mx.) Kunth—Orient.
S. cryptandrus (Torr.) A. Gray—Sandy beaches; reported in N. Y. State Mus. Bull. 150: 49. 1911.
Sporobolus uniflorus Muhl.—Greenport. (*Sporobolus serotinus* (Torr.) A. Gray.)
S. vaginaeflorus Torr.—Orient.
Stipa avenacea L.—Rare at East Marion and Southold; specimens in N. Y. State Herbarium.
Syntherisma Ischaemum (Schreb.) Nash—(*Syntherisma linearis* (Krock.) Nash.)
Tridens flava (L.) Hitchc.—Dry soil.
Triplasis purpurea (Walt.) Chapm.—Sandy hills.
Tripsacum dactyloides L.—Upper edge of salt marsh at Orient, 19 July, 1909; specimens in N. Y. State Herbarium.

CYPERACEAE

- Carex albolutescens* Schwein.
C. albursina Sheldon—Greenport.
C. blanda Dew.—Orient.
C. canescens L.—Also the var. *disjuncta* Fernald; specimens of the variety in N. Y. State Herbarium.
C. cephalophora Muhl.—Shaded places.
C. comosa Boott.—Margins of swamps.
C. complanata Torr.—(*Carex triceps*, var. *hirsuta* (Willd.) Bailey.)
C. crinita Lam.—Swampy places.
C. digitalis Willd.—Dry open woods.
C. festucacea Schkuhr.—The var. *brevior* (Dew.) Fernald; determined at Bureau of Plant Industry.
C. flexuosa Muhl.—Greenport. (*Carex tenuis* Rudge.)
C. foenea Willd.
C. folliculata L.—Greenport in swampy woods; also a slender form.
C. grisea Wahl.—Determined at Bureau of Plant Industry.

- C. hormathodes* Fernald—Wet places.
C. intumescens Rudge—Greenport.
C. lasiocarpa Ehrh.—Greenport. (*Carex filiformis* L.)
C. Leersii Willd.—Orient in swamps; also *Carex stellulata*, var. *excelsior* (Bailey) Fernald.
C. lupulina Muhl.—Wet woods; also the var. *pedunculata* Dew.
C. lurida Wahl.—Wet places; also the var. *parvula* (Paine) Bailey.
C. Muhlenbergii Schkr.—Dry open woods; in part determined at Bureau of Plant Industry.
C. pallescens L.—Orient in moist soil; plants with spikes on longer stalks than usual.
C. pennsylvanica Lam.—Orient and East Marion in dry woods.
C. rosea Schkr.—Hilly woods.
C. rosaeoides E. C. Howe—Orient. (*Carex seorsa* E. C. Howe.)
C. rostrata Stokes—Wet places. (*Carex utriculata* Boott.)
C. scoparia Schkr.—Low grounds.
C. silacea Olney—Salt marshes.
C. squarrosa L.—Greenport.
C. stipata Muhl.—Greenport in wet woods.
C. straminea Willd.—Orient.
C. stricta Lam.
C. typhina Mx.—Greenport. (*Carex typhinoides* Schwein.)
C. varia Muhl.—Greenport.
C. vestita Willd.—Orient in open woods and moist soil.
C. virescens Muhl.—Dry open woods; in part determined at Bureau of Plant Industry.
C. vulpinoidea Mx.—Sandy hillsides and low woods.
C. Willdenowii Schukr.—Determined at Bureau of Plant Industry.
C. dentatus Torr.—Rare at Orient.
C. diandrus Torr.—Wet places and near the beach.
C. esculentus L.—Greenport.
C. ferax L. C. Richard.—Rare near the beach; specimens in N. Y. State Herbarium.
C. filiculmis Vahl—Sandy hillsides and beaches.
C. filicinus Vahl—Low grounds and beaches; specimens in N. Y. State Herbarium. (*Cyperus Nuttallii* Eddy.)
C. Grayi Torr.—Southold; specimens in N. Y. State Herbarium.
C. Houghtoni Torr.—Orient.
C. strigosus L.—Low grounds; also the var. *capitatus* Boeckl.
Dulichium arundinaceum (L.) Britton—Swamps.
Eleocharis acicularis (L.) R. & S.
E. acuminata (Muhl.) Nees—Greenport.
E. intermedia (Muhl.) Schultes—Greenport.
E. olivacea Torr.—Greenport in a cat-tail swamp; also Orient.
E. obtusa (Willd.) Schultes—In part determined at Bureau of Plant Industry.
E. palustris (L.) R. & S.—Greenport in wet places.
E. tenuis (Willd.) Schultes—Swampy places.
Eriophorum virginicum L.—Rare at Orient in wet places.

Fimbristylis autumnalis (L.) R. & S.—Wet places.

F. castanea (Mx.) Vahl—Rare at Orient on salt marshes; plants with shining(!) scales were collected 14 July 1913; specimens in N. Y. State Herbarium.

Mariscus mariscoides (Muhl.) Ktze.—(*Cladium mariscoides* (Muhl.) Torr.)

Rynchospora corniculata (Lam.) A. Gray—Rare at Orient, the var. *macrostachya* (Torr.) Britton.

R. glomerata (L.) Vahl—Low grounds.

Scirpus americanus Pers.—Salt marshes and beaches.

S. atrovirens Muhl.—Orient.

S. cyperinus (L.) Kunth—Wet places in open woods; also *Scirpus pedicellatus* Fernald.

S. Olneyi A. Gray—Southold; specimens in N. Y. State Herbarium.

S. paludosus A. Nels.—Orient on salt marshes.

S. robustus Pursh.

S. validus Vahl.

Stenophyllus capillaris (L.) Britton—Sandy hillsides.

ARACEAE

Acorus calamus L.

Arisaema triphyllum (L.) Torr.

Peltandra virginica (L.) Kunth—Greenport in wet woods.

Spathyema foetida (L.) Raf.—Greenport.

LEMNACEAE

Lemna minor L.—Greenport, floating on pools.

XYRIDACEAE

Xyris caroliniana Walt.—Southold.

ERIOCAULACEAE

Eriocaulon septangulare With.—Southold.

COMMELINACEAE

Commelina communis L.—Roadsides and waste places.

PONTEDERIACEAE

Pontederia cordata L.—Greenport and Southold.

JUNCACEAE

Juncoides campestre (L.) Ktze.

Juncus acuminatus Mx.

J. articulatus L.—Greenport.

J. balticus Willd.—Brackish meadow at Orient, 30 May, 1910, and 3 June, 1914.

J. bufonius L.—Margin of salt marshes; specimens in N. Y. State Herbarium.

J. canadensis J. Gay.

J. dichotomus Ell.—Orient in cultivated field and in swamps, the var. *platyphyllus* Wieg.; in part determined at Bureau of Plant Industry.

J. effusus L.

J. Gerardi Lois.—Salt marshes; used for hay.

J. Greenei Oakes & Tuck.—Orient on hills.

J. marginatus Rostk.—Rare.

- J. pelocarpus* E. Meyer—Wet places.
J. scirpoides Lam.—Orient.
J. secundus Bv.—Orient about wet places.
J. tenuis Willd.—Also a few-flowered form; and the var. *anthelatus* Wieg., determined at Bureau of Plant Industry.

MELANTHACEAE

- Veratrum viride* Ait.—Greenport and Gardiner's Island.

LILIACEAE

- Allium canadense* L.—Rare at Orient in dry woods.
A. vineale L.—Orient.
Hemerocallis fulva L.—Orient, escaped along roads.
Lilium canadense L.
L. superbum L.—Orient.
L. tigrinum Andr.—Escaped to roadsides and meadows.
Ornithogalum umbellatum L.—Escaped at Orient.

CONVALLARIACEAE

- Asparagus officinalis* L.
Polygonatum biflorum (Walt.) Ell.
P. commutatum (R. & S.) Dietr.
Unifolium canadense (Desf.) Greene.
Uvularia perfoliata L.
U. sessilifolia L.
Vagnera racemosa (L.) Morong—Some of the plants unusually pubescent (!); specimens in N. Y. State Herbarium.
V. stellata (L.) Morong.

TRILLIACEAE

- Medeola virginiana* L.
Trillium cernuum L.—Rare at Greenport.

SMILACEAE

- Smilax glauca* Walt.
S. herbacea L.
S. rotundifolia L.

AMARYLLIDACEAE

- Hypoxis hirsuta* (L.) Coville.

DIOSCOREACEAE

- Dioscorea villosa* L.—Rare on Gardiner's Island and at Southold in moist woods.

IRIDACEAE

- Iris prismatica* Pursh—Orient; specimens in N. Y. State Herbarium.
I. versicolor L.
Sisyrinchium angustifolium Mill.
S. atlanticum Bicknell—Orient.
S. graminoides Bicknell—Rare at Greenport in moist woods; determined at Bureau of Plant Industry.

ORCHIDACEAE

- Blephariglottis blephariglottis* (Willd.) Rydb.—Orient in bogs; determined at the New York Botanical Garden.

B. lacera (Mx.) Farwell.

Fissipes acaulis (Ait.) Small—Rare at East Marion and Southold. (*Cypripedium acaule* Ait.)

Ibidium cernuum (L.) House—Orient. (*Spiranthes cernua* (L.) Richard.)

I. gracile (Bigel.) House.

I. praecox (Walt.) House—Specimens in N. Y. State Herbarium.

Limodorum tuberosum L.—Rare at Orient.

Peramium pubescens (Willd.) MacM.

Perularia flava (L.) Farwell—Rare at Orient; determined at New York Botanical Garden.

Tipularia uniflora (Muhl.) BSP.—Rare at Greenport, 21 Aug. (flowers) and 30 Oct. (fruit), 1911; "a colony of about 30 plants"; reported in N. Y. State Mus. Bull. 157: 42. 1912. The 19 July, 1914, Mr. Latham spent fully two hours hunting for *Tipularia* before he was successful; so perfectly does the little dark-colored stem blend with the surrounding dead laurel twigs that one almost loses it when they remove the eye from it. The 24 Aug. 1914, it was decided that a forest fire had destroyed the colony of 30 plants; for the corms were exposed more than one-half out of the ground.

DICOTYLEDONES

JUGLANDACEAE

Hicoria alba (L.) Britton—Rare; specimens in N. Y. State Herbarium.

H. cordiformis (Wang.) Britton—(*Hicoria minima* (Marsh.) Britton.)

H. glabra (Mill.) Britton.

H. ovata (Mill.) Britton.

MYRICACEAE

Comptonia peregrina (L.) Coult.—East Marion.

Myrica carolinensis Mill.

SALICACEAE

Populus alba L.—Roadsides and in woods.

P. candicans Ait.—Rarely escaped at Orient.

P. deltoides Marsh.—Roadsides and open woods.

P. heterophylla L.—Greenport in a swamp.

P. grandidentata Mx.—Moist woods.

P. italica Moench.—Rarely escaped at Orient.

P. tremuloides Mx.

Salix alba L.

S. Bebbiana Sarg.—Wet meadows and swamps.

S. cordata Muhl.—Rare at Orient in swamps.

S. discolor Muhl.—Rare at Orient.

S. fragilis L.

S. humilis Marsh.—Dry soil.

S. interior Rowlee—Rare at Orient in wet places. (*Salix longifolia* Muhl.)

S. lucida Muhl.—Rare at Orient.

S. nigra Marsh.—Rare in low grounds.

S. purpurea L.—Escaped at Orient; specimens in N. Y. State Herbarium.

S. sericea Marsh.—East Marion.

BETULACEAE

- Alnus incana* (L.) Willd.—Greenport.
A. rugosa (DuRoi) Spreng.—Rare at Orient.
Betula lenta L.—Greenport.
B. populifolia Marsh.
Corylus americana Walt.—Rare at Orient.
C. rostrata Ait.—Orient.
Ostrya virginiana (Mill.) Willd.

FAGACEAE

- Castanea dentata* (Marsh.) Borkh.
Fagus grandiflora Ehrh.—Greenport, East Marion and Southold; unknown at Orient. (*Fagus americana* Sweet.)
Quercus alba L.—More common at Greenport than at Orient.
Q. bicolor Willd.—Greenport.
Q. coccinea Wang.
Q. Muhlenbergii Engelm.—Rare at Greenport.
Q. palustris DuRoi—Rare.
Q. Prinus L.—More common at Greenport than at Orient.
Q. rubra L.—Rare.
Q. stellata Wang.—Sandy soil.
Q. velutina Lam.

ULMACEAE

- Celtis occidentalis* L.

MORACEAE

- Toxylon pomiferum* Raf.—Escaped from cultivation.

CANNABINACEAE

- Humulus Lupulus* L.—Rare at Orient in open woods.

URTICACEAE

- Boehmeria cylindrica* (L.) Sw.
Pilea pumila (L.) A. Gray.

SANTALACEAE

- Comandra umbellata* (L.) Nutt.—Light sandy soil.

ARISTOLCCHIACEAE

- Asarum canadense* L.—Determined at New York Botanical Garden.

POLYGONACEAE

- Persicaria Hydropiper* (L.) Opiz—Cultivated fields and about yards. (*Polygonum Hydropiper* L.)
P. hydropiperoides (Mx.) Small—About ponds and wet places.
P. lapathifolia (L.) S. F. Gray—Rare at Orient.
P. pennsylvanica (L.) Small.
P. Persicaria (L.) Small.
P. punctata (Ell.) Small—Fields, waste places and about swamps.
Polygonella articulata (L.) Meisn.—Orient.
Polygonum aviculare L.—Yards and roadsides; sometimes on sandy beaches far from dwellings.

- P. buxiforme* Small—Beaches; specimens in N. Y. State Herbarium. (Formerly confused with *Polygonum littorale* Link.)
- P. erectum* L.—Orient in yards and on beaches.
- P. maritimum* L.—Beaches on Gardiner's Island; specimens in N. Y. State Herbarium.
- P. prolificum* (Small) Robins.—Orient; specimens in N. Y. State Herbarium.
- P. tenue* Mx.—Rare at Orient.
- Tiniaria Convolvulus* (L.) Webb & Moq.—Plants with the achene more shining than usual (!). (*Polygonum Convolvulus* L.)
- T. dumetorum* (L.) Opiz—Rare at Orient.
- T. scandens* (L.) Small.
- Tovara virginiana* (L.) Raf.—Gardiner's Island and rare at Greenport. (*Polygonum virginianum* L.)
- Tracaulon arifolium* (L.) Raf.—Swampy woods. (*Polygonum arifolium* L.)
- T. sagittatum* (L.) Small—Gardiner's Island.
- Rumex Acetosella* L.
- R. Brittanica* L.—Rare at Greenport in a swamp.
- R. crispus* L.
- R. hastatulus* Muhl.
- R. obtusifolius* L.
- R. pallidus* Bigel.—Rare at Orient; reported in N. Y. State Mus. Bull. 139: 29. 1910.
- R. persicarioides* L.—Rare at Orient.
- R. verticillatus* L.—Rare at Greenport.

AMARANTHACEAE

- Acnida tuberculata* Moq.—Rare at Greenport, margin of marshes.
- Amaranthus blitoides* S. Wats.—Rare at Orient in waste places.
- A. graecizans* L.
- A. hybridus* L.
- A. retroflexus* L.

CHENOPODIACEAE

- Atriplex arenaria* Nutt.—Orient on beaches and salt marshes.
- A. hastata* L.—Beaches and salt marshes; also *Atriplex littoralis* L., specimens in N. Y. State Herbarium.
- Chenopodium album* L.
- C. ambrosioides* L.
- C. glaucum* L.—Orient, 10 Oct. 1910, a recent introduction from New York City in stable manure.
- C. hybridum* L.—Orient on sandy beaches and salt marshes.
- C. leptophyllum* (Moq.) Nutt.—Orient on sandy beaches.
- C. urbicum* L.—Orient.
- Dondia maritima* (L.) Druce.
- Salicornia ambigua* Mx.
- S. Bigelovii* Torr.
- S. europaea* L.—The *Salicornias* determined by Dr. C. H. Peck.
- Salsola Kali* L.—Specimens in N. Y. State Herbarium.

PHYTOLACCACEAE

Phytolacca americana L.—(*Phytolacca decandra* L.)

AIZOACEAE

Mollugo verticillata L.

Sesuvium maritimum (Walt.) BSP.—Gardiner's Island; specimens in N. Y. State Herbarium.

PORTULACACEAE

Claytonia virginica L.—Rare at East Marion.

Portulaca oleracea L.

ALSINACEAE

Alsine graminea (L.) Britton—Rare at Orient.

A. media L.

Arenaria serpyllifolia L.—Orient.

Cerastium viscosum L.—Reported in N. Y. State Mus. Bull. 139: 33. 1910.

C. vulgatum L.

Honkenya peploides (L.) Ehrh.—Orient on beaches; specimens in N. Y. State Herbarium. (*Arenaria peploides* L.)

Moehringia lateriflora (L.) Fenzl.

Sagina decumbens (Ell.) T. & G.—Rare at East Marion; reported in N. Y. State Mus. Bull. 150: 48. 1911.

S. procumbens L.

Spergula arvensis L.

Tissa marina (L.) Britton—Specimens in N. Y. State Herbarium.

T. rubra (L.) Britton—Rare at Orient.

CARYOPHYLLACEAE

Agrostemma Githago L.

Dianthus Armeria L.

Lychnis alba Mill.—Roadsides.

L. Coronaria (L.) Desr.—Rare at Orient.

L. dioica L. —Rare at Orient.

Saponaria officinalis L.

Silene antrirrhina L.

S. caroliniana Walt.—Orient and Southold in sandy soil.

S. latifolia (Mill.) Britten & Rendle—Rare.

S. noctiflora L.—Rare at Orient.

S. stellata (L.) Ait.—Rare at Orient.

Vaccaria Vaccaria (L.) Britton—Rare at Orient.

NYMPHAEACEAE

Castalia odorata (Dryand.) Woodv. & Wood.

MAGNOLIACEAE

Liriodendron Tulipifera L.—Rare at Greenport.

RANUNCULACEAE

Anemone quinquefolia L.

A. virginiana L.

Aquilegia canadensis L.—Rare at Orient.

Caltha palustris L.—Rare at Southold in wet places.

Clematis virginiana L.

Halerpestes Cymbalaria (Pursh) Greene—Waste places at Orient; determined at Bureau of Plant Industry. (*Ranunculus Cymbalaria* Pursh.)

Ranunculus abortivus L.—Rare at Orient.

R. acris L.—Rare at Greenport and Southold.

R. bulbosus L.

R. delphinifolius Torr.—Rare at Orient.

R. recurvatus Poir.—Greenport; plants with a bulbous base (!).

R. sceleratus L.—Rare at Greenport and Southold in muddy places.

Thalictrum polygamum Muhl.

T. revolutum DC.—Orient. (*Thalictrum purpurascens* Am. auth.)

BERBERIDACEAE

Berberis vulgaris L.

LAURACEAE

Benzoin aestivale (L.) Nees—Greenport and Gardiner's Island in wet woods.

Sassafras Sassafras (L.) Karst.

PAPAVERACEAE

Glaucium Glaucium (L.) Karst.—Rare at Orient; but frequent on Gardiner's Island.

Papaver Rhoeas L.—Rare at Orient.

P. somniferum L.—Rare at Orient.

CRUCIFERAE

Alyssum alyssoides L.—Rare at Orient; determined at Bureau of Plant Industry.

Arabis glabra (L.) Bernh.—Sandy soil (purplish plants).

Armoracia Armoracia (L.) Britton—Rare at Orient. (*Roripa Armoriacia* (L.) A. S. Hitchc.)

Barbarea Barbarea (L.) MacM.

B. verna (Mill.) Aschers—Rare at Orient; determined at Bureau of Plant Industry.

Berteroa incana (L.) DC.—Rare at Orient in meadows.

Brassica campestris L.—Cultivated fields.

B. juncea (L.) Cosson—Rare at Orient.

B. Napus L.

B. nigra (L.) Koch—Rare in waste ground.

Bursa Bursa-pastoris (L.) Britton.

Cakile edentula (Bigel.) Hook.—Upper edge of salt marshes.

Camelina sativa (L.) Crantz—Orient in grain fields; reported in N. Y. State Mus. Bull. 150: 24. 1911.

Cardamine arenicola Britton—Greenport; specimens in N. Y. State Herbarium.

C. pennsylvanica Muhl.—Orient in muddy places.

Draba verna L.—Dry hilly shaded places.

Erysimum officinale L.—(*Sisymbrium officinale* (L.) Scop.)

Koniga maritima (L.) R. Br.—Rare at Orient.

Lepidium campestre (L.) R. Br.—Meadows.

L. densiflorum Schrad.—Rare at Orient. (Formerly confused with *Lepidium apetalum* Willd.)

L. sativum L.—Meadows.

L. virginicum L.

Norta altissima (L.) Britton—Rare at Orient in meadows. (*Sisymbrium altissimum* L.)

Radicula palustris (L.) Moench—(*Roripa palustris* (L.) Bess.)

Raphanus Raphanistrum L.

R. sativus L.—Grain fields.

Sinapis arvensis L.—(*Brassica arvensis* (L.) BSP.)

Sisymbrium Nasturtium-aquaticum L.—Rare at Orient. (*Roripa Nasturtium* (L.) Rusby.)

Sophia Sophia (L.) Britton—Rare at Orient.

DROSERACEAE

Drosera intermedia Hayne

D. rotundifolia L.—Rare at Southold.

CRASSULACEAE

Sedum triphyllum (Haw.) S. F. Gray—Rare. (*Sedum telephium* Am. auth.)

SAXIFRAGACEAE

Micranthes virginiensis (Mx.) Small—Rare at Orient. (*Saxifraga virginiensis* Mx.)

HAMAMELIDACEAE

Hamamelis nivirgiana L.—Greenport, Southold and Gardiner's Island in moist woods; no Orient records.

GROSSULARIACEAE

Grossularia Cynosbati (L.) Mill.—Orient in woods. (*Ribes Cynosbati* L.)

G. oxyacanthoides (L.) Mill.

Ribes vulgare Lam.—Orient. (Formerly confused with *Ribes rubrum* L.)

PLATANACEAE

Platanus occidentalis L.

ROSACEAE

Agrimonia gryposepala Wallr.

Argentina Anserina (L.) Rydb.—Orient and Gardiner's Island on beaches and salt marshes.

Fragaria vesca L.—Woods.

F. virginiana Duchesne—Hills and swamps (variable).

Geum canadense Jacq.

Geum flavum (Porter) Bicknell—Greenport.

G. virginianum L.

Potentilla argentea L.—Orient.

P. canadensis L.

P. monspeliensis L.

P. pumila Poir.—Orient and East Marion.

P. simplex Mx.—Orient.

Rosa carolina L.—Sometimes the bushes are almost wholly unarmed.

R. cinnamomea L.—Rarely escaped at Orient.

R. rubiginosa L.—Sandy soil and shaded places.

R. rugosa Thunb.—Rarely escaped at Orient on sandy beaches; determined at Bureau of Plant Industry.

- R. virginiana* Mill.—Both forms occur, *Rosa humilis* Marsh. and *Rosa lucida* Ehrh.
Rubus alleghaniensis Porter.
R. hispidus L.—Sandy bogs.
R. occidentalis L.
R. phoenicolasius Maxim.—Orient, established in woods.
R. procumbens Muhl.
R. strigosus Mx.
Sanguisorba canadensis L.—Greenport in wet woods.
Spirea latifolia (Ait.) Borkh.—Wet places.
S. tomentosa L.—Orient.

MALACEAE

- Amelanchier canadensis* (L.) Medic.
Aronia arbutifolia (L.) Ell.—Orient.
A. atropurpurea Britton.
A. melanocarpa (Mx.) Britton.—Orient.
Crataegus chrysocarpa Ashe—Rare at Orient. (*Crataegus rotundifolia* (Ehrh.) Borkh.)
C. Crus-Galli L.
C. monogyna Jacq.—Rare at Greenport. (Formerly confused with *Crataegus Oxyacantha* L.)
Malus Malus (L.) Britton.

AMYGDALACEAE

- Padus virginiana* (L.) Mill.—(*Prunus serotina* Ehrh.)
Prunus americana Marsh.—Rare at Orient.
P. Avium L.—Roadsides.
P. Cerasus L.—Wood margins.
P. domestica L.—Rare, a degenerate form.
P. maritima Wang.—Rare at Greenport; but more abundant at Orient, Southold and Gardiner's Island.

CAESALPINIACEAE

- Chamaecrista fasciculata* (Mx.) Greene.
Gleditschia triacanthos L.—Rare at Orient.

FABACEAE

- Baptisia tinctoria* (L.) R. Br.
Coronilla varia L.—Rare at Greenport; specimens in N. Y. State Herbarium.
Cracca virginiana L.—Mattituck.
Falcata comosa (L.) Ktze.—Rare at Orient in rich woods.
Glycine Apios L.—Swamps; plants sometimes with 3 leaflets. (*Apios Apios* (L.) MacM.)
Lathyrus maritimus (L.) Bigel.
Lespedeza capitata Mx.
L. frutescens (L.) Britton—Southold.
L. hirta (L.) Hornem.
L. procumbens Mx.—East Marion.
L. Stuvei Nutt.—Southold.
L. violacea (L.) Pers.—Greenport and Southold.
L. virginica (L.) Britton—Southold.
Lupinus perennis L.—Southold in sandy soil.

Medicago hispida Gaertn.—Rare at Greenport.

M. lupulina L.—Greenport.

M. sativa L.—Rare in meadows.

Meibomia canadensis (L.) Ktze.—Rich woods.

M. Dillenii (Darl.) Ktze.—Greenport and Southold in rich woods.

M. grandiflora (Walt.) Ktze.

M. nudiflora (L.) Ktze.—Southold.

M. viridiflora (L.) Ktze.—Rare at Greenport; determined at Bureau of Plant Industry.

Melilotus alba Desv.—Greenport.

Phaseolus polystachyus (L.) BSP.—Orient in woods.

Robinia Pseudo-Acacia L.

R. viscosa Vent.

Strophostyles helvola (L.) Britton—Near beaches; specimens in N. Y. State Herbarium.

Trifolium agrarium L.

T. arvense L.

T. hybridum L.—Meadows.

T. incarnatum L.—Rare.

T. pratense L.

T. procumbens L.—Rare.

T. repens L.

Vicia angustifolia L.—Orient; also the var. *segetalis* (Thuill.) Koch; reported in N. Y. State Mus. Bull. 150: 49. 1911.

V. hirsuta (L.) Koch—Rare at Orient; determined at Bureau of Plant Industry.

GERANIACEAE

Erodium cicutarium (L.) L'Her.—Mattituck.

Geranium maculatum L.

Robertiella Robertiana (L.) Hanks—(*Geranium Robertianum* L.)

OXALIDACEAE

Xanthoxalis Brittoniae Small

X. stricta (L.) Small.

LINACEAE

Cathartolinum striatum (Walt.) Small—Brackish meadows and wet woods. (*Linum striatum* Walt.)

C. virginianum (L.) Reichenb.

Linum usitatissimum L.—Rare in grain fields.

BALSAMINACEAE

Impatiens biflora Walt.—Greenport, Southold and Gardiner's Island in wet places.

SIMAROUBACEAE

Ailanthus glandulosa Desf.—Rare at Greenport.

POLYGALACEAE

Polygala cruciata L.—Orient.

P. lutea L.—Rare at Greenport.

P. paucifolia Willd.—Orient, the station destroyed by cultivation; determined at New York Botanical Garden.

P. polygama Walt.—Dry open woods.

P. verticillata L.—Dry hilly soil.

P. viridescens L.—Moist woods.

EUPHORBIACEAE

Acalypha gracilens A. Gray.

A. virginica L.

Chamaesyce maculata (L.) Small—Cultivated fields. (*Euphorbia maculata* L.)

C. polygonifolia (L.) Small.

Tithymalus Cyparissias (L.) Hill—Roadsides. (*Euphorbia Cyparissias* L.)

T. Lathyrus (L.) Hill—Rare at Orient in waste places; determined at Bureau of Plant Industry.

CALLITRICHACEAE

Callitriche heterophylla Pursh—Edge of a pond in woods at Greenport; determined at Bureau of Plant Industry.

C. palustris L.—Rare at Orient in a pond, 1908; determined at New York Botanical Garden. Not found since and perhaps the many years of drought have killed the roots.

ANACARDIACEAE

Rhus copallina L.

R. glabra L.

Toxicodendron radicans (L.) Ktze.—Plants may be either low or high climbing; the leaves sometimes toothed. (*Rhus radicans* L.)

T. vernix (L.) Ktze.—Rare.

ILICACEAE

Ilex bronxensis Britton—Rare at Orient; specimens in N. Y. State Herbarium.

I. glabra (L.) A. Gray—Rare at East Marion.

I. verticillata (L.) A. Gray.

CELASTRACEAE

Celastrus scandens L.

ACERACEAE

Acer carolinianum Walt.—Rare on Gardiner's Island. (*Acer rubrum tridens* Wood.)

A. Negundo L.—Escaped at Orient.

A. rubrum L.

A. saccharinum L.

RHAMNACEAE

Ceanothus americanus L.—Rare at Southold.

Rhamnus cathartica L.—Orient.

VITACEAE

Parthenocissus quinquefolia (L.) Planch.

Vitis aestivalis Mx.

V. bicolor LeConte.

V. Labrusca L.—Moist thickets.

TILIACEAE

Tilia americana L.

MALVACEAE

Abutilon Abutilon (L.) Rusby—Orient in cultivated fields.

Hibiscus Moscheutos L.

H. Trionum L.—Rare at Greenport.

Malva rotundifolia L.

HYPERICACEAE

Hypericum canadense L.—Wet meadows; specimens in N. Y. State Herbarium.

H. majus (A. Gray) Britton—Moist places.

H. mutilum L.—Moist places.

H. perforatum L.

H. punctatum Lam.—(*Hypericum maculatum* Walt.)

Sarothra gentianoides L.

Triadenum virginicum (L.) Raf.

CISTACEAE

Crocanthemum canadense (L.) Britton—East Marion. (*Helianthemum canadense* (L.) Mx.)

C. majus (L.) Britton—East Marion.

Hudsonia tomentosa Nutt.—Orient, Southold and Gardiner's Island on sandy beaches.

Lechea intermedia Leggett—Orient.

L. Leggettii Britt. & Holl.—Orient.

L. maritima Leggett.

L. racemulosa Lam.—Orient and Greenport; specimens in N. Y. State Herbarium.

L. villosa Ell.—Dry woods.

VIOLACEAE

Viola cucullata Ait.—Swamps.

V. fimbriatula J. E. Sm.

V. lanceolata L.

V. pallens (Banks) Brainerd.

V. papilionacea Pursh—The var. *domestica* Bicknell in old lawns.

V. pedata L.—East Marion and Greenport.

V. primulifolia L.—Greenport.

CACTACEAE

Opuntia Opuntia (L.) Coult.—Rare at Orient in sandy soil.

LYTHRACEAE

Decodon verticillatus (L.) Ell.

MELASTOMACEAE

Rhexia virginica L.—Rare at Orient.

ONAGRACEAE

Chamaenerion angustifolium (L.) Scop.—Rare at Orient.

Circaea lutetiana L.

Epilobium adenocaulon Haussk.

E. coloratum Muhl.—Orient.

E. lineare Muhl.—Rare at Orient.

E. palustre L.—Rare at Orient.

E. strictum Muhl.—Rare at Orient.

Isnardia palustris L.—Wet places.

Kneiffia Alleni (Britton) Small—Orient.

K. fruticosa (L.) Raimann—Also the var. *pilosella* Britton.

K. linearis (Mx.) Spach—Orient.

K. longipedicellata Small—Orient.

- K. pumila* (L.) Spach.
Ludwigia alternifolia L.—Swampy places.
Oenothera biennis L.
O. Oakesiana Robbins—Orient.

HALORAGIDACEAE

- Myriophyllum humile* (Raf.) Morong—Rare at East Marion.
M. pinnatum (Walt.) BSP.—Greenport in a pond; determined by P. L. Ricker.
Proserpinaca palustris L.—Orient.

ARALIACEAE

- Aralia nudicaulis* L.
A. racemosa L.—Rare at Greenport.

AMMIACEAE

- Angelica atropurpurea* L.—Rare at East Marion; specimens in N. Y. State Herbarium.
Cicuta maculata L.
Daucus Carota L.
Foeniculum Foeniculum (L.) Karst.—Escaped at Orient.
Heracleum lanatum Mx.
Ligusticum scoticum L.—Orient, edge of woods bordering salt marshes; reported in N. Y. State Mus. Bull. 139: 25. 1910.
Pastinaca sativa L.—Rare.
Ptilimnium capillaceum (Mx.) Raf.
Sanicula canadensis L.
S. marylandica L.
Sium cicutaefolium Schrank—Swampy woods.
Washingtonia Claytoni (Mx.) Britton—Orient; specimens in N. Y. State Herbarium.
W. longistylis (Torr.) Britton—Rare.

CORNACEAE

- Cornus femina* Mill.—Rare at Orient but more abundant at East Marion and Southold. (*Cornus candidissima* Marsh.)
C. stolonifera Mx.—Rare at Orient, edge of a swamp.
Cynoxylon floridum (L.) Raf.—(*Cornus florida* L.)
Nyssa sylvatica Marsh.

CLETHRACEAE

- Clethra alnifolia* L.

PYROLACEAE

- Chimaphila maculata* (L.) Pursh.
C. umbellata (L.) Nutt.—Rare at Orient but more common at East Marion.
Pyrola americana Sweet.
P. elliptica Nutt.

MONOTROPACEAE

- Hypopitys lanuginosa* (Mx.) Nutt.—In oak woods; the plants crimson.
Monotropa uniflora L.

ERICACEAE

- Azalea nudiflora* L.—Rare at Greenport in swamps.
A. viscosa L.—Greenport and Orient in sandy swamps.

Epigaea repens L.—East Marion.

Eubotrys racemosa (L.) Nutt.—Rare at Greenport in swamps. (*Leucothoë racemosa* (L.) A. Gray.)

Gaultheria procumbens L.—Rare at Southold.

Kalmia angustifolia L.—Mattituck.

K. latifolia L.—East Marion and Southold.

Uva-Ursi Uva-Ursi (L.) Britton—Orient. (*Arctostaphylos Uva-Ursi* (L.) Spreng.)

Xolisma ligustrina (L.) Britton.

VACCINIACEAE

Gaylussacia baccata (Wang.) K. Koch—In woods.

Oxycoccus macrocarpus (Ait.) Pursh—Plants bearing two forms of fruit occur; taller plants bear oblong fruit and are rarer.

Vaccinium angustifolium Ait.—(*Vaccinium pennsylvanicum* Lam.)

V. atrococtum (A. Gray) Heller—In swamps.

V. corymbosum L.

V. vacillans Kalm—In woods.

PRIMULACEAE

Anagallis arvensis L.

Lysimachia Nummularia L.—Rare at Orient.

L. quadrifolia L.

L. terrestris (L.) BSP.

Samolus floribundus HBK.—Orient.

Steironema ciliatum (L.) Raf.—Gardiner's Island in low woods; determined by Norman Taylor.

Trientalis americana Pursh.

PLUMBAGINACEAE

Limonium carolinianum (Walt.) Britton.

OLEACEAE

Fraxinus americana L.—Greenport.

Ligustrum vulgare L.

Syringa vulgaris L.

GENTIANACEAE

Bartonia virginica (L.) BSP.—Rare.

Sabbatia stellaris Pursh—Orient on salt marshes; specimens in N. Y. State Herbarium.

APOCYNACEAE

Apocynum androsaemifolium L.

A. cannabinum L.—Rare at Orient; plants with the leaves lightly pubescent beneath.

A. medium Greene—Rare at Orient.

A. pubescens R. Br.—Rare at Orient; specimens in N. Y. State Herbarium.

A. sibiricum Jacq.—(*Apocynum album* Greene.)

Vinca minor L.—Roadsides at Greenport.

ASCLEPIADACEAE

Asclepias amplexicaulis J. E. Smith—Rare at Orient.

A. purpurascens L.—Orient.

- A. pulchra* Ehrh.—Orient in low ground.
A. syriaca L.—Specimens in N. Y. State Herbarium.
A. tuberosa L.—Rare at East Marion, Greenport and Southold.
A. verticillata L.—Rare at Orient.

CONVOLVULACEAE

- Convolvulus repens* L.—Orient.
C. sepium L.—Orient; the flowers white or pinkish.
Ipomoea purpurea (L.) Lam.—Escaped.

CUSCUTACEAE

- Cuscuta arvensis* Beyrich—Orient and Southold.
C. compacta Juss.—Greenport on *Clethra* and *Cephalanthus*.
C. Gronovii Willd.

POLEMONIACEAE

- Phlox paniculata* L.—Rarely escaped at Orient.
P. subulata L.—The two stations at Orient have recently been destroyed by cultivation.

BORAGINACEAE

- Cynoglossum officinale* L.—Rare at Orient.
Myosotis arvensis (L.) Hill—Rare at Orient in cultivated grounds; determined at Bureau of Plant Industry.
M. virginica (L.) BSP.—Rare at Orient; specimens in N. Y. State Herbarium.
Onosmodium virginianum (L.) DC.—Rare at Orient on sandy beaches.

VERBENACEAE

- Verbena hastata* L.
V. urticifolia L.—Shaded places.

LABIATAE

- Agastache nepetoides* (L.) Ktze.—Gardiner's Island in rich woods.
Clinopodium vulgare L.—Gardiner's Island in rocky woods.
Collinsonia canadensis L.—Gardiner's Island in rich woods.
Glecoma hederacea L.—Rare at Orient.
Hedeoma pulegioides (L.) Pers.—Rare in shaded places.
Koellia flexuosa (Walt.) MacM.—Orient.
K. mutica (Mx.) Britton—Rare at Orient.
K. virginiana (L.) MacM.—Rare at Orient.
Lamium amplexicaule L.—Orient in cultivated fields.
Leonurus Cardiaca L.—Rare.
Lycopus americanus Muhl.
L. membranaceus Bicknell.
L. sessilifolius A. Gray—Southold.
L. uniflorus Mx.
L. virginicus L.
Marrubium vulgare L.—Orient.
Melissa officinalis L.—Rare at Greenport.
Mentha gentilis L.—Rare at Orient along roads.
M. piperita L.—Rare at Orient.
M. spicata L.
Nepeta Cataria L.

Prunella vulgaris L.

Scutellaria galericulata L.—Swamps.

S. lateriflora L.—Orient and Greenport in low woods.

Teucrium canadense L.—Sandy beaches and rocky woods; specimens in N. Y. State Herbarium.

Trichostema dichotomum L.—Plants with pink flowers (!); reported in N. Y. State Mus. Bull. 157: 43. 1912.

SOLANACEAE

Datura Stramonium L.—Gardiner's Island and elsewhere.

Lycium halimifolium Mill.—Rare.

Lycopersicon Lycopersicon (L.) Karst.—Escaped.

Physalis peruviana L.—Escaped at Orient in waste places and in gardens.

Physalodes physalodes (L.) Britton—Escaped at Orient.

Solanum Dulcamara L.—Rare.

S. nigrum L.—Rare on sandy beaches.

SCROPHULARIACEAE

Agalinis maritima Raf.—Orient on salt marshes; specimens in N. Y. State Herbarium. (*Gerardia maritima* Raf.)

A. purpurea (L.) Britton—Orient; specimens in N. Y. State Herbarium.

A. tenuifolia (Vahl) Raf.—Dry hills.

Chelone glabra L.—Rare at Greenport.

Dasystoma flava (L.) Wood—Greenport.

D. pedicularia (L.) Benth.—East Marion.

D. virginica (L.) Britton.

Gratiola aurea Muhl.—Rare at Orient.

Ilysanthes attenuata (Muhl.) Small—Orient.

I. dubia (L.) Barnh.—Orient.

Linaria canadensis (L.) Dum.

L. Linaria (L.) Karst.

Melampyrum lineare Lam.—The leaves are variable in outline.

Mimulus ringens L.—Greenport.

Pedicularis canadensis L.—Orient.

Scrophularia leporella Bicknell—Rare at Orient.

Verbascum Blattaria L.

V. Thapsus L.

Veronica arvensis L.—Orient.

V. officinalis L.—East Marion.

V. peregrina L.—Orient.

V. serpyllifolia L.

LENTIBULARIACEAE

Setiscapella cleistogama (A. Gray) Barnhart—Southold; determined at Bureau of Plant Industry. (*Utricularia cleistogama* (A. Gray) Britton.)

Stomoisia cornuta (Mx.) Raf.—Southold. (*Utricularia cornuta* Mx.)

OROBANCHACEAE

Leptamnium virginianum (L.) Raf.—Greenport.

Thalesia uniflora (L.) Britton—Rare at Orient.

BIGNONIACEAE

Bignonia radicans L.—Rarely escaped at Orient. (*Tecoma radicans* (L.) DC.)

PHRYMACEAE

Phryma Leptostachya L.—Gardiner's Island and Greenport in woods.

PLANTAGINACEAE

Plantago aristata Mx.

P. halophila Bicknell—Orient on salt marshes; plants earlier to flower and more downy than *Plantago major* L.

P. lanceolata L.

P. major L.

P. maritima L.—Orient; specimens in N. Y. State Herbarium.

P. media L.

P. pusilla Pursh—Rare on dry hilltops; specimens in N. Y. State Herbarium.

P. Rugelii Dcne.—East Marion, shores of a pond.

P. virginica L.—East Marion in sandy soil.

RUBIACEAE

Cephalanthus occidentalis L.

Galium Aparine L.—Orient in low rich shaded places.

G. circaezans Mx.—Rich woods.

G. Claytoni Mx.—Low grounds.

G. lanceolatum Torr.—Rare at Orient; determined at N. Y. Botanical Garden.

G. palustre L.—Greenport.

G. pilosum Ait.—Rare at Orient; the flowers purple.

G. tinctorium L.—Greenport in swampy woods.

G. triflorum Mx.—Greenport.

Mitchella repens L.—Plants sometimes having unusually large leaves.

CAPRIFOLIACEAE

Diervilla Diervilla (L.) MacM.

Lonicera japonica Thunb.—Orient and East Marion in woods.

L. sempervirens L.—East Marion.

Sambucus canadensis L.

S. racemosa L.—Rare at Orient, the station now destroyed; determined at Bureau of Plant Industry.

Triosteum aurantiacum Bicknell.

T. perfoliatum L.—Rare at Orient.

Viburnum acerifolium L.—More abundant at Greenport than at Orient.

V. dentatum L.—“A form with leaves decidedly acuminate”; reported in N. Y. State Mus. Bull. 150: 49. 1911.

V. Lentago L.—Rare at Orient.

V. venosum Britton—Rare at East Marion in swamps; reported in N. Y. State Mus. Bull. 150: 41. 1911.

VALERIANACEAE

Valeriana officinalis L.—Orient.

CAMPANULACEAE

- Campanula rapunculoides* L.—Rarely escaped at Orient.
Specularia perfoliata (L.) A. DC.—Rare in hilly woods.

LOBELIACEAE

- Lobelia cardinalis* L.—Rare from Greenport to Southold.
L. inflata L.
L. syphilitica L.—Rare at Orient in low ground.

CICHORIACEAE

- Apargia nudicaulis* (L.) Britton—Specimens in N. Y. State Herbarium. (*Leontodon nudicaule* (L.) Banks.)
Cichorium Intybus L.—Orient.
Crepis capillaris (L.) Wallr.—Orient. (*Crepis virens* L.)
C. setosa Hall. f.—Reported in N. Y. State Mus. Bull. 150: 29. 1911.
C. tectorum L.—Rare at Orient; determined by Dr. C. H. Peck.
Hieracium aurantiacum L.—Rare at Orient.
H. Gronovii L.—Orient; specimens in N. Y. State Herbarium.
H. paniculatum L.—Greenport.
H. scabrum Mx.—Plants with more naked stems than usual; specimens in N. Y. State Herbarium.
H. venosum L.
Hypochaeris radicata L.—Orient; specimens in N. Y. State Herbarium.
Krigia virginica (L.) Willd.—Orient in light soil.
Lactuca canadensis L.—Cedar woods and elsewhere; also the var. *montana* Britton.
L. sagittifolia Ell.—Orient.
L. spicata (Lam.) Hitchc.
Lapsana communis L.—Rare at Orient; determined by P. L. Ricker.
Leontodon erythrospermum (Andrz.) Britton—Light soil and on sandy beaches at Orient. (*Taraxicum erythrospermum* Andrz.)
L. Taraxicum L.
Nabalus serpentarius (Pursh) Hook.—Greenport.
N. trifoliolatus Cass.
Picris echioides L.—Reported in N. Y. State Mus. Bull. 139: 28. 1910.
P. hieracioides L.—Rare at Orient; determined by Dr. C. H. Peck; reported in N. Y. State Mus. Bull. 150: 37. 1911.
Sonchus arvensis L.—Rare at Orient.
S. asper (L.) Hill.—Orient.
S. oleraceus L.

AMBROSIACEAE

- Ambrosia elatior* L.—(*Ambrosia artemisiaefolia* L.)
A. trifida L.—Rare at Orient in cultivated fields.
Xanthium commune Britton—Orient on beaches.
X. spinosum L.—Rare on Gardiner's Island.

COMPOSITAE

- Achillea Millefolium* L.—Also the *forma rosea*.
Anaphallis margaritacea (L.) Benth. & Hook.—Rare.

Antennaria neglecta Greene.

A. plantaginifolia (L.) Richards.

Anthemis arvensis L.—Rare at Orient in meadows and waste places.

A. Cotula L.

A. tinctoria L.—Rare at Orient in meadows; specimens in N. Y. State Herbarium.

Arctium minus Schkr.

Artemisia caudata Mx.—Determined by Dr. C. H. Peck.

A. Stellariana Bess.—Orient on beaches.

Aster cordifolius L.—Greenport.

A. divaricatus L.—Woods.

A. dumosus L.—Orient in sandy soil.

A. ericoides L.—Southold.

A. laevis L.—Low woods; also the long-leaved form.

A. lateriflorus (L.) Britton—Orient in woods.

A. macrophyllus L.—The plants are variable.

A. multiflorus Ait.

A. novae-angliae L.—More common on Gardiner's Island than at Orient.

A. novi-belgii L.—Low grounds.

A. paniculatus Lam.

A. patens Ait.—Dry hills.

A. puniceus L.

A. salicifolius Lam.—Orient in low places.

A. spectabilis Ait.—Orient; also a form with white flowers.

A. subulatus Mx.

A. tenuifolius L.

A. Tradescanti L.

A. undulatus L.

A. vimineus Lam.

Baccharis halimifolia L.—Orient about salt marshes.

Bidens cernua L.

B. comosa (A. Gray) Wiegand—Low grounds.

B. connata Muhl.—Low grounds; also a form with entire leaves.

B. discoidea (T. & G.) Britton.

B. frondosa L.

B. laevis (L.) BSP.

Centaurea Cyanus L.—Rare at Orient.

C. Jacea L.—Rare at Orient in a dry pasture.

Chrysanthemum Leucanthemum L.

Chrysopsis falcata (Pursh) Ell.—Orient and Southold.

C. mariana (L.) Ell.

Cirsium arvense (L.) Scop.

C. discolor (Muhl.) Spreng.

C. horridulum Mx.—Specimens in N. Y. State Herbarium. (*Cirsium spinosissimum* (Walt.) Scop.)

C. lanceolatum (L.) Hill.—Moist places.

C. muticum Mx.—Rare at Orient.

C. odoratum (Muhl.) Britton.

Doellingeria umbellata (Mill.) Nees.

- Erechtites hieracifolia* (L.) Raf.—Two forms occur, hairy and smooth plants; specimens in N. Y. State Herbarium.
- Erigeron annuus* (L.) Pers.
- E. philadelphicus* L.
- E. pulchellus* Mx.
- E. ramosus* (Walt.) BSP.
- Eupatorium aromaticum* L.—Southold.
- E. hyssopifolium* L.—Southold.
- E. maculatum* L.—Orient in low grounds.
- E. perfoliatum* L.
- E. purpureum* L.
- E. verbenaeifolium* Mx.
- Euthamia graminifolia* (L.) Nutt.
- E. tenuifolia* (Pursh) Greene—Southold.
- Galinsoga parviflora* Cav.—Orient along roads; the var. *hispida* DC.
- Gnaphalium obtusifolium* L.
- G. uliginosum* L.
- Helianthus annuus* L.—Rarely escaped at Orient.
- H. divaricatus* L.
- H. giganteus* L.
- H. strumosus* L.
- H. tuberosus* L.
- Lacinaria spicata* (L.) Ktze.—Orient, a colony of 50 or more plants; specimens in N. Y. State Herbarium.
- Leptilon canadense* (L.) Britton.
- Mariana mariana* (L.) Hill—Orient in a garden; specimens in N. Y. State Herbarium.
- Onopordum Acanthium* L.—More common on Gardiner's Island than at Orient and East Marion; specimens in N. Y. State Herbarium.
- Pulchea camphorata* (L.) DC.
- Rudbeckia hirta* L.
- Senecio aureus* L.—Rare at Orient.
- S. vulgaris* L.—Rare in cultivated fields.
- Seriocarpus asteroides* (L.) BSP.
- Solidago altissima* L.
- S. aspera* Ait.—Reported in N. Y. State Mus. Bull. 139: 30. 1910.
- S. bicolor* L.
- S. caesia* L.
- S. juncea* Ait.—Plants variable.
- S. nemoralis* Ait.
- S. odora* Ait.
- S. rugosa* Mill.—The broad-leaved form and the form with small leaves.
- S. sempervirens* L.
- S. serotina* Ait.—Orient in swamps.
- S. ulmifolia* Muhl.
- Tanacetum vulgare* L.
- Vernonia noveboracensis* (L.) Willd.—Orient.



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