

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

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## Fourth Supplementary List\*

### INSECT GALLS

*Neuroterus noxiosus* Bass.—Leaves of *Quercus Prinus* at Greenport; determined by Dr. M. D. Leonard.

*Phyllocoptes quadripes* Shim.—Leaves of *Acer rubrum* at Greenport; determined by Dr. Leonard.

### MYXOMYCETES

*Badhamia rubiginosa* (Chev.) Rost.—Old leaves; determined by Prof. John Dearness.

*Clathroptychium rugulosum* (Wallr.) Rost.—Orient on bark of *Juniperus virginiana*; determined by Prof. Dearness.

*Cribraria rufa* (Roth) Rost.—Old wood at Southold; determined by Prof. Dearness.

*Hemitrichia vesparium* (Batsch) Macbr.—Greenport; determined by Prof. Dearness.

*Stemonitis splendens* Rost.—Rich woods on rotten wood at Greenport; determined by Prof. Dearness.

### EUPHYCEAE

*Lithothamnion polymorphum* (L.) Aresch.—On stones in the Sound at Orient; determined by Dr. R. W. Miner.

### PHYCOMYCETES

*Aspergillus candidus* Link.—Orient on dead plants; determined by Prof. Dearness.

*Peronospora Arthurii* Farl.—On *Oenothera*, Southold; determined by Prof. Dearness.

### ASCOMYCETES (excluding PYRENO MYCETES)

*Aleuria repanda* (Pers.) Gill.—Inside woodpecker's hole of an apple tree at Greenport; determined by Prof. Dearness.

*Ascobolus Crouani* Boud.—Old stems of Brussels Sprouts, *Brassica oleracea gemmifera* at Orient; determined by Prof. Dearness.

\* The Preliminary flora was published in *Torrey* **14**: 201-225, Nov. 1914 and 229-254, Dec. 1914. The First Supplementary list was published in *Torrey* **17**: 111-122, July 1917. The Second Supplementary list was published in *Torrey* **21**: 1-11, Jan.-Feb. 1921 and 28-33, March-April 1921. The Third Supplementary list was published in *Torrey* **23**: 3-9, Jan.-Feb. 1923 and 25-31, March-April 1923.



- Cudoniella marcida* (Müll.) Sacc.—The note in the Third Supplementary list was published in Dr. C. G. Lloyd's Mycol. Notes **68**: 1182, fig. 2387. Jan. 1923.
- Helvella elastica* Bull.—Earth in dry woods at Mattituck; determined by Dr. C. G. Lloyd.
- Leotia chlorocephala* Schw.—Earth in dry woods at Laurel; determined by Dr. Lloyd and reported in Mycol. Notes **69**: 1188. July 1923.
- Orbilia vinosa* (A. & S.) Karst. Dead twigs in a swamp at Laurel; determined by Dr. Chas. E. Fairman.
- Phialea Aspegrenii* (Fr.) Gill.—Old twigs in rich woods at Mattituck; determined by Prof. Dearness.
- Pyrenopeziza subatra* (C. & P.) Sacc.—On *Solidago* at Orient; determined by Prof. Dearness.

## PYRENOMYCETES

- Caryospora Putamium* (Schw.) DeNot.—On peach, *Prunus Persica* pits at Orient; determined by Dr. Fairman.
- Chaetomium elatum* Kuntze—On *Quercus velutina* at Orient; determined by Prof. Dearness.
- Diaporthe Baccharidis* (Cke.) Sacc.—On *Baccharis halimifolia*; determined by Prof. Dearness.
- Diaporthe oncostoma* (Duby) Fckl.—On *Amelanchier canadensis* at Orient; determined by Prof. Dearness.
- Diatrype asterostoma* B. & C.—On *Amelanchier* at Orient; determined by Prof. Dearness.
- Diatrype bullata* (Hoffm.) Fr.—On *Acer platanoides* at Orient; determined by Prof. Dearness.
- Diatrype fibricta* C. & E.—Orient on dead branches of *Juniperus virginiana* lying on the ground; determined by Prof. Dearness, who says, "a fine thing."
- Diatrype Macluræ* E. & E.—On *Rhus Toxicodendron*, var. *radicans* at Orient; determined by Prof. Dearness.
- Erysiphe graminis* DC.—On wheat, *Triticum aestivum* at Orient; determined by Prof. Dearness.
- Eutypa ludibunda* Sacc.—On *Gleditsia triacanthos* at Orient; determined by Prof. Dearness.
- Eutypella constellata* (B. & C.) E. & E.—Greenport on *Carya glabra*; determined by Prof. Dearness.
- Eutypella glandulosa* (Cke.) E. & E.—On *Ailanthus glandulosa* at Mattituck; determined by Prof. Dearness.
- Hypomyces chrysospermus* Tul.—The conidial form *Sepedonium* on *Boletus*; determined by Dr. Lloyd and reported in Mycol. Notes **69**: 1188. July 1923.
- Hysterium angustatum* A. & S.—Orient on twigs of *Crataegus Crus-galli*; determined by Prof. Dearness.
- Hysterographium Mori* (Schw.) Rehm, var. *Gerardi* C. & P.—On *Prunus serotina* at Orient; determined by Prof. Dearness.



- Hysterographium Putamium* (Cke.) Sacc.—On pits of *Prunus maritima* at Southold; determined by Dr. Fairman, who says, "a rare species."
- Lophodermium arundinaceum* Chev., var. *culmigenum* (Fr.) Fckl.—Mostly *Leptostromella hysterioides* Sacc. On *Triticum aestivum* at Mattituck; determined by Prof. Dearness.
- Melanconiella Decoraensis* (Ellis) Sacc.—"Dead branches of *Betula populifolia* Marsh., Orient, Long Island, Roy Latham, March 1919. Determined by Dearness." N. Y. State Mus. Bull. 243-244: 85. Issued May 15, 1923.
- Metasphaeria defodiens* (Ellis) Sacc.—Stems of *Juncus dichotomus*, Southold; determined by Prof. Dearness, who says, "near this" species. "The only record I know for this is Iona, N. J."
- Phyllachora Agrostidis* Orton—"On leaves of *Agrostis alba*. Orient, Long Island, Roy Latham, no. 610, October 18, 1914. Determined by Dr. C. R. Orton." N. Y. State Mus. Bull. 243-244: 91. Issued May 15, 1923.
- Phyllachora puncta* (Schw.) Orton—"Leaves of *Panicum Wrightianum*, Southold, Latham, no. 611, November 4, 1914. Determined by Dr. C. R. Orton." N. Y. State Mus. Bull. 243-244: 92. Issued May 15, 1923.
- Phyllactinia corylea* (Pers.) Karst.—Leaves of *Betula populifolia* at Greenport; determined by Prof. Dearness.
- Physalospora thyoides* (C. & E.) Sacc.—On *Juniperus virginiana* at Orient; determined by Prof. Dearness.
- Rosellina albolanata* E. & E.—On *Quercus velutina*; determined by Dr. Fairman.
- Trematosphaeria pertusa* (Pers.) Fckl.—Pits of Burbank plum, *Prunus trifolia* x; determined by Dr. Fairman.
- Valsa Hoffmanni* Nke.—Greenport on *Crataegus Crus-galli*; determined by Dr. Fairman.
- Valsa leucostoma* (Pers.) Fr.—Orient on *Malus*; determined by Prof. Dearness.
- Valsa oblecta* C. & E.—On *Clethra alnifolia* at Laurel; determined by Prof. Dearness.
- Xylaria apiculata* Cke.—Bark of living oak at Greenport; determined by Dr. Fairman, who says, "According to Lloyd. In Rehm Ascomycetes, No. 1912, a similar thing is called *X. arbuscula* Sacc., var. *biceps* Speg."
- Xylaria brasiliensis* (Theissen)—The note in the Third Supplementary list was published in Dr. Lloyd's Mycol. Notes 68: 1175, fig. 2338. Jan. 1923.

## HYPOMYCETES

- Alternaria Solani* (E. & M.) Jones & Grout—On *Solanum tuberosum*, common; determined by Prof. Dearness.
- Cercospora Symplocarpi* Pk.—On *Symplocarpus foetidus* at Greenport; determined by Prof. Dearness.
- Cercospora varia* Pk.—On *Viburnum dentatum* at Greenport; determined by Prof. Dearness.



- Cladosporium epimyces* Cke.—On *Pleurotus ostreatus* at Orient; determined by Prof. Dearness.
- Helminthosporium obclavatum* Sacc.—Orient on *Juniperus virginiana*; determined by Prof. Dearness.
- Heterosporium gracile* (Wallr.) Sacc.—Orient on *Iris*; determined by Prof. Dearness.
- Isaria farinosa* (Dicks.) Fr.—On pupa in rich woods at Mattituck. Determined by Dr. Fairman, who says, "It is probably the var. *prolifero-ramosa* of Saccardo, though I have not seen this and have no record of its finding in this country."
- Ramularia Plantaginis* Ell. & Mart.—Orient on *Plantago Rugeili*; determined by Prof. Dearness.
- Septocylindrium aromaticum* Sacc.—Southold on *Acorus Calamus*; determined by Prof. Dearness.
- Stilbum erythrocephalum* Ditm.—Orient on droppings of chickens; determined by Dr. Fairman.
- Trichothecium roseum* (Pers.) Link.—On stems of *Akebia quinata* at Orient; determined by Prof. Dearness.
- Tubercularia rosea* Schreb.—*Illosporium roseum* (Schreb.) Mart. Orient on pine wood. Determined by Dr. Lloyd, who says, "*Tubercularia rosea* from Roy Latham, New York. We name this only as a guess or rather two guesses. First, that it answers the 'description,' habits, etc., of *Dacryomyces roseus* as named by Fries, and second, that *Dacryomyces roseus* is really a *Tubercularia*. All these little gelatinous plants were called *Dacryomyces* or *Tremella* by the old namers who did not examine them with the microscope. It is a very small rose-colored tremellaceous cushion growing on a mossy substratum which fits '*Dacryomyces roseus*.' That is about all I think anyone knows about it." Reported in Mycol. Notes 69: 1211. July 1923 as "Note 1180."

## MELANCONIALES

- Gloeosporium fructigenum* Berk.—Old fruit of *Pyrus communis* at Orient; determined by Prof. Dearness. A stage of *Glomerella cingulata* (Atks.) S. & S.
- Myxosporium subviride* E. & E.—Greenport on *Betula*; determined by Prof. Dearness.

## SPHAEROPSIDEAE

- Aposphaeria nucicola* E. & E.—Orient on nuts of *Carya glabra*; determined by Dr. Fairman.
- Aposphaeria Putamium* (Speg.) Sacc.—Pits of German prune, *Prunus domestica* at Orient; determined by Dr. Fairman.
- Ascochyta Dianthi* (A. & S.) Berk.—Orient on *Dianthus Armeria*; determined by Prof. Dearness.
- Ascochyta Philadelphi* Sacc. & Speg.—On *Philadelphus coronarius*, Laurel, no. 1137; determined by Dr. Fairman, who requested that the



following notes be published. "*Ascochyta Philadelphi* Sacc. & Speg.? Pycnidia scattered, subepidermal becoming erumpent, globose depressed, centrally ostiolate, of delicate pseudo pycnidial structure, brown or black, about  $200\mu$  in diam.; spores numerous, ellipsoid, rounded at the ends, at first continuous and unconstricted, becoming with age uniseptate and slightly constricted at the middle, greenish hyaline,  $7.5 \times 3.5\mu$ . On living or languishing stems of *Philadelphus* sp. Laurel, N. Y. This is probably the stem form of the above species. The specimens are in a young condition and show mostly Phoma-like spores."

*Ascochyta Pisi* Lib.—Mattituck on *Vicia*; determined by Prof. Dearnness.

*Camarosporium Berkleyanum* (Lev.) Sacc.—On *Ailanthus glandulosa*, Mattituck; determined by Prof. Dearnness. *Camarosporium subfenestratum* (B. & C.) Sacc. of some botanists.

*Dinemasporium hispidulum* (Schrad.) Sacc., var. *herbarum* Cke.—Stems of *Thalictrum revolutum* at Orient; determined by Prof. Dearnness.

*Discosia Artocreas* (Tode) Fr. (*Discosia faginea* Lib.)—Greenport on leaves of *Fagus grandifolia*; determined by Prof. Dearnness.

*Discula Platani* (Pk.) Sacc.—Orient on branches of *Platanus occidentalis*; determined by Prof. Dearnness.

*Haplosporella Bignoniae* (Schw.) Starb.—On *Tecoma radicans* at Orient; determined by Dr. Fairman.

*Haplosporella Dulcamara* Dearn. & House—"On dead stems of *Solanum Dulcamara* L., Sandlake, Rensselaer County, Dr. C. H. Peck (Type), year not indicated. Orient, Long Island, Roy Latham, 1916. . . ." N. Y. State Mus. Bull. 243-244: 75. Issued May 15, 1923.

*Hendersonia Desmazieri* Mont.—Orient on *Platanus occidentalis*; determined by Prof. Dearnness.

*Leptostroma herbarum* (Fr.) Link—Laurel on *Dioscorea villosa*; determined by Prof. Dearnness.

*Leptostroma Pinastris* Desm.—Needles of *Pinus rigida* and *P. Strobus*, throughout the region; determined by Prof. Dearnness.

*Phoma glandicola* (Desm.) Lev.—On insect galls on *Quercus alba* at Greenport; determined by Dr. Fairman.

*Phoma Mariae* Clinton—Orient on *Lonicera japonica*; determined by Prof. Dearnness.

*Phoma subcircinata* E. & E.—Pods of *Phaseolus lunatus* at Cutchogue; determined by Dr. Fairman.

*Phoma Syringae* B. & C.—Orient on *Syringa vulgaris*; determined by Prof. Dearnness.

*Phomopsis depressa* (Lev.) Trav.—Orient on *Syringa vulgaris*; determined by Dr. Fairman.

*Phomopsis epicarpa* Sacc.—Pods of *Robinia Pseudo-Acacia* at Orient; determined by Dr. Fairman.

*Phyllosticta Amaranthi* Ell. & Kell.—Laurel on *Acnida tuberculata*; determined by Prof. Dearnness, who says that he is "not aware that this has been collected on *Acnida* before."



- Phyllosticta Lappae* Sacc.—Orient on *Arctium minus*; determined by Prof. Dearness.
- Phyllosticta latifoliae* E. & E. —Greenport on *Kalmia latifolia*; determined by Prof. Dearness.
- Phyllosticta Nyssae* Cke.—Greenport on *Nyssa sylvatica*; determined by Prof. Dearness.
- Phyllosticta smilacina* (Pk.) Dearn.—(*Sphaeropsis smilacina* Pk.)—On leaves of *Smilax* at Southold and Orient; determined by Prof. Dearness.
- Septoria carpogena* E. & E.—Old fruit of *Celtis occidentalis* at Mattituck; determined by Dr. Fairman.
- Septoria Celtis-gallae* Gerard—Old galls on *Celtis occidentalis* at Mattituck; determined by Dr. Fairman.
- Septoria lepidiicola* Ell. & Mart.—On *Lepidium* at Orient; determined by Prof. Dearness.
- Sphaeronema clethrincolum* Ell.—Greenport on *Clethra alnifolia*; determined by Prof. Dearness.
- Sphaeropsis Betulae* Cke., var. *lutea* Dearn. & House—On *Betula populifolia* at Orient; determined by Prof. Dearness. The variety on dead branches of *Betula lutea* is described in N. Y. State Mus. Bull. **243-244**: 79. Issued May 15, 1923.
- Sphaeropsis Cydoniae* C. & E.—Orient on *Cydonia japonica*; determined by Prof. Dearness.
- Sphaeropsis pericarpii* Pk.—On nut of *Carya glabra* at Orient; determined by Dr. Fairman.
- Sphaeropsis Sassafrae* C. & E.—Orient on *Sassafras*; determined by Prof. Dearness.
- Sphaeropsis simillima* Pk.—On *Acer rubrum* and *Acer platanoides* at Orient; determined by Prof. Dearness.

#### USTILAGINACEAE

- Ustilago sphaerogena* Burr.—Orient on *Echinochloa Walteri*; determined by Dr. H. S. Jackson.

#### PUCCINIACEAE

- Aecidium Apocyni* Schw.—On *Apocynum androsaemifolium* at Mattituck; determined by Dr. Jackson.
- Cronartium cerebrum* (Pk.) Hedgc. & Long—Peconic on *Pinus rigida*; determined by Prof. Dearness.
- Cronartium comptoniae* Arth.—Southold on *Pinus rigida*; determined by Dr. Jackson.
- Earlia speciosa* (Fr.) Arth.—Cutchogue on *Rosa blanda*; determined by Dr. Jackson. (*Phragmidium speciosum* (Fr.) Cke.)
- Puccinia Andropogonis* Schw.—On *Chelone glabra* at Greenport; determined by Dr. Jackson.
- Puccinia angustata* Pk.—On *Lycopus virginicus* at Greenport; determined by Dr. Jackson.
- Puccinia asperifolii* (Pers.) Wettst.—On *Secale cereale*, common; determined by Dr. Jackson.



- Puccinia Asterum* (Schw.) Kern—Orient on *Dulichium arundinaceum*; determined by Prof. Dearness.
- Puccinia Fraxinata* (Link) Arth.—On *Fraxinus americana* at Greenport and Southold; determined by Dr. Jackson.
- Puccinia Hibisciatum* (Schw.) Kell.—Orient on *Muhlenbergia sylvatica*; determined by Dr. Arthur.
- Puccinia Iridis* (DC.) Wallr.—Common on *Iris versicolor* at Orient and Greenport; determined by Dr. Arthur.
- Puccinia pustulatum* (Curtis) Arth.—Orient on *Andropogon scoparius*; determined by Prof. Dearness.
- Uredinopsis mirabilis* (Pk.) Magnus—"11, 111, on fronds of *Onoclea sensibilis* L., Gardiner's Island, Roy Latham, August 1919. On fronds of *Lorinseria areolata* (L.) Presl., [*Woodwardia areolata*] at Greenport, Latham, August 1920. The aecial stage (*Peridermium balsameum* Peck) occurs on *Abies balsamea* (L.) Mill., a host tree, not known to occur on Long Island. It has been collected by Peck on *Anchistea virginica* (L.) Presl., [*Woodwardia virginica*] at Manor, Long Island." N. Y. State Mus. Bull. 243-244: 85. Issued May 15, 1923.
- Uromyces Hedysari-paniculati* (Schw.) Farl.—"On leaves of *Meibomia Dillenii* (Darl.) Ktze., [*Desmodium Dillenii*] at Bay View, town of Southold, Long Island, Roy Latham, August 21." (*Nigredo Hedysari-paniculati* (Schw.) Arth.). N. Y. State Mus. Bull. 243-244: 85. Issued May 15, 1923.
- Uromyces seditiosus* Kern—Laurel on *Aristida tuberculosa*; determined by Dr. Jackson who says, "new to New York state." Also determined by Prof. Dearness.

## TREMELLACEAE

- Tremella lutescens* Pers.—Old wood at Orient; determined by Dr. Lloyd.

## DACRYOMYCETACEAE

- Dacryomyces deliquescens* (Bull.) Duby—On *Juniperus virginiana* at Orient; determined by Dr. Lloyd. "Note 1181—*Dacryomyces deliquescens* from Roy Latham, New York. This soaks out pale yellow and is *Dacryomyces deliquescens* of American mycology. This collection is the conidial condition and has abundant small globose, hyaline spores about 4 mic. in diameter and borne in chains. It has developed since I have been in Europe and Buller's second volume has appeared that this is not *Dacryomyces deliquescens* of English tradition and of Buller's book. The curious oidium spores of the English plant which are first shown in Buller's book to be on separate bodies from the basidia bearing spore bodies are entirely different from these spores. I do not believe we have the English plant with us, though both countries apply the name *Dacryomyces deliquescens* to their respective plants. In English tradition (started by Berkeley) this oidium form which is deep orange is called *Dacryomyces*



*stellatus* 'Nees.' That is a taxonomic mistake, for the Neesian plant was shown with furcate basidia and it is the common species of Sweden better called *Dacryomyces abietinus* " Mycol. Notes 69: 1211. July 1923.

*Dacryomyces minor* Pk.—The note in the Third Supplementary list was published in Mycol. Notes 67: 1161. July 1922, as "Note 1130."

*Dacryomyces* sp.—"A minute *Dacryomyces* from Roy Latham, New York. Mr. Latham sends us decorticate wood, 'a very minute Tremella-like plant.' Mr. Latham has good eyes, for I cannot see it even with a hand lens, neither dried nor soaked. But a scraping under the microscope shows a definite little species of *Dacryomyces*, typical as to basidia and appearance, but no spores found. Its color is pale yellow. I am afraid it is too small to name, though formidable Latin names are applied to more minute plants." Reported by Dr. Lloyd in Mycol. Notes 69: 1218. July 1923.

#### THELEPHORACEAE

*Stereum lobatum* (Kuntze) Fr.—*Stereum versicolor* Fr. of the Preliminary list and *Stereum fasciatum* Schw. of the First Supplementary list should be referred to this species.

#### POLYPORACEAE

*Fomes lucidus* (Leyss.) Fr.—On *Acer rubrum* at Greenport; determined by Dr. Lloyd, and listed in Mycol. Notes 69: 1188. July 1923.

*Polyporus circinatus* Fr.—Earth in dry woods at Mattituck; listed in Lloyd's Mycol. Notes 69: 1188. July 1923.

*Polyporus cristatus* (Pers.) Fr.—Greenport on *Quercus alba*; listed in Lloyd's Mycol. Notes 67: 1161. July 1922.

*Polyporus Spraguei* B. & C.—"Note 1109. *Polyporus Spraguei* from Roy Latham, New York. My first impression was that this was not *Spraguei* for I associate a hard, rigid context with the species and this is rather soft and crumbly. I do not find any other difference, however, and to eye it is exactly *Spraguei*." Lloyd's Mycol. Notes 67: 1161. July 1922.

*Polystictus folicola* B. & C.—The note in the Third Supplementary list was published in Mycol. Notes 67: 1164. July 1922, as "Note 1114."

*Polystictus perennis* (L.) Fr.—Greenport. Listed in Lloyd's Mycol. Notes 69: 1188. July 1923.

*Poria flavescens* (Schw.) Cke.—Orient on *Juniperus virginiana*; determined by Dr. E. A. Burt.

*Poria viticola* (Schw.) Cke.—Orient on *Platanus occidentalis* and Greenport on *Lyonia ligustrina*; determined by Prof. Dearness.

*Trametes protracta* Fr.—Gardiner's Island on log of *Pinus rigida*; listed in Lloyd's Mycol. Notes 69: 1188. July 1923.

*Trametes pusilla* Lloyd.—The note in the Third Supplementary list was published in Mycol. Notes 69: 1207. July 1923, as "Note 1148."



## AGARICACEAE

- Lenzites betulina* (L.) Fr.—Greenport on *Quercus stellata*; determined by Dr. Lloyd who says, "Your specimen is what is called [*Lenzites*] *flaccida* (Bull.) Fr."
- Mycena haematopa* Berk.—Coniferous wood at Orient; determined by Prof. Dearness.
- Pleurotus approximans* Pk.—Orient on *Baccharis halimifolia*; determined by Prof. Dearness.
- Pleurotus niger* Schw.—"Note 1179. *Pleurotus niger* from Roy Latham, New York. This would have been of much interest to me years ago, when I was working on agarics. I could never understand why I never found *Pleurotus niger* while the similar little *Pleurotus striatulus* was so frequent. *Pleurotus niger* is truly a black plant with black gills and globose, hyaline 4 mic. spores. The gill margins have large white cystidia (or crystals perhaps)." Lloyd's Mycol. Notes 69: 1211. July 1923.
- Psilocybe uda* (Pers.) Fr.—Sphagnum at Greenport; determined by Prof. Dearness.

## LICHENES

- Blastenia ferruginea* (Huds.) Arn., var. **discolor** (Willey), n. comb.—Orient on *Juniperus virginiana*, April 25, 1910 and January 9, 1911; determined by Dr. Bruce Fink. Reported in the Preliminary list as *Lecanora* (§ *Callopisma*) *ferrugineum discolor* (Willey). (*Placodium ferrugineum discolor* Willey).
- Ramalina Willeyi* Howe—Orient on *Juniperus virginiana*, October 1, 1914; determined by Dr. R. Heber Howe, Jr.

## HEPATICAEE

- Cephaloziella byssacea* (Roth) Warnst.—Laurel; determined by Dr. Geo. H. Conklin.

## MUSCI

- Dicranum montanum* Hedw.—Base of trees in swamp at Greenport; determined by Mr. Geo. B. Kaiser.
- Eurhynchium rusciforme* (Neck.) Milde—Gardiner's Island, rocks in a woodland stream; determined by Mr. Kaiser.
- Orthotrichum Schimperi* Hamm.—Orient on *Robinia Pseudo-Acacia*.
- Orthotrichum strangulatum* Sull., var.—Rock in woods at Gardiner's Island.
- Platygyrium repens* (Brid.) B. & S.—Base of trees at Greenport; determined by Mr. Kaiser.

## PTERIDOPHYTA

- Lycopodium tristachyum* Pursh—Orient Point, September 2, 1910.

## SPERMATOPHYTA

- Potamogeton foliosus* Raf.—In a pond at Mattituck; determined at Bureau of Plant Industry, Washington.



- Potamogeton hybridus* Sheld.—In a pond at Southold; determined at Bureau of Plant Industry.
- Festuca Shortii* Kunth—The specimen reported in the Third Supplementary list from wet woods at Mattituck; should be referred to *Festuca nutans* Spreng.
- Glyceria canadensis* (Mx.) Trin.—Swamp at Mattituck; determined by Mrs. Agnes Chase.
- Panicum mattamuskeetense* Ashe—Laurel; determined by Mrs. Chase.
- Panicum Wrightianum* Scribn.—Southold, the host of *Phyllachora puncta*. N. Y. State Mus. Bull. 243-244: 92. Issued May 15, 1923.
- Setaria lutescens* (Weigel) Hubbard—Sandy field at Laurel; determined by Mrs. Chase.
- Carex Howeii* Mackenzie—Greenport in low wet woods; determined at N. Y. Botanical Garden.
- Carex retroflexa* Muhl.—Gardiner's Island in dry woods; determined at N. Y. Botanical Garden.
- Xyris caroliniana* Walt.—Sandy swamp at Laurel, August 17, 1923.
- Spiranthes vernalis* Engelm. & Gray—Peconic in low grassy fields; determined at N. Y. Botanical Garden.
- Juglans nigra* L.—One large tree in woods at Mattituck.
- Chenopodium murale* L.—Orient in waste ground; determined at N. Y. Botanical Garden.
- Amaranthus caudatus* L.—Occasional as a weed in cultivated and waste grounds at Orient; determined at N. Y. Botanical Garden.
- Spergularia canadensis* (Pers.) Don—" *Alsine canadensis* (Pers.) House; (*Arenaria canadensis* Pers.; *Spergularia borealis* Robinson)—A species of the northern shores of eastern America, which appears to reach its southern limit of distribution on Shelter Island, opposite Greenport, where collected by Dr. C. H. Peck in 1871 (State Herbarium)." N. Y. State Mus. Bull. 243-244: 57. Issued May 15, 1923.
- Nymphoanthus advena* (Ait.) Fernald—Swamp at Laurel, August 16, 1923.
- Ranunculus laxicaulis* (T. & G.) Darby—Mattituck in a swamp, September 1, 1923.
- Arabis lyrata* L.—Cultivated fields at Orient; determined at Bureau of Plant Industry.
- Potentilla recta* L.—Sandy fields at Laurel, July 16, 1923; and Orient, June 20, 1923.
- Linum medium* (Planch.) Britton—Dry woods at Southold; determined at Bureau of Plant Industry.
- Myriophyllum tenellum* Bigel.—Sandy shore of a large pond at Southold, August 20, 1923.
- Cornus Amomum* L.—"Border of swamp near Orient. Roy Latham, September 2." N. Y. State Mus. Bull. 243-244: 57. Issued May 15, 1923.
- Nymphoides lacunosum* (Vent.) Fernald—In a pond at Southold, August 20, 1923.
- Echium vulgare* L.—Laurel in old pastures; determined at N. Y. Botanical Garden.



- Mentha citrina* Ehrh.—Greenport in waste places; determined at N. Y. Botanical Garden.
- Limosella aquatica* L., var. *tenuifolia* (Wolf.) Pers.—Fishers Island, no. 743. September 15, 1891. Rev. J. L. Zabriskie.
- Jasione montana* L.—Sandy fields and roadsides at Laurel, August 17, 1923; determined at Bureau of Plant Industry.
- Artemisia Absinthium* L.—Roadsides and waste places at Greenport; determined at N. Y. Botanical Garden.
- Coreopsis rosea* Nutt.—Sandy swamp at Laurel, August 16, 1923.
- Eupatorium album* L.—Sandy fields at Laurel; determined at Bureau of Plant Industry.
- Heliopsis helianthoides* (L.) Sweet—Rich open woods at Mattituck, July 3, 1923. The plants not quite typical, some of the plants having leaves little rougher than usual.
- Lactuca canadensis* L., var. *montana* Britton—Cutchogue and Orient. Reported in the Second Supplementary list as *Lactuca canadensis*, var. *integrifolia* (Bigel.) Gray; which included *Lactuca canadensis*, var. *montana* Britton and *Lactuca sagittifolia* Ell. of the Preliminary list. A revised description of this variety is given by Dr. H. D. House, in N. Y. State Mus. Bull. 243-244: 58. Issued May 15, 1923. "Leaves thin, acuminate, pale beneath, tapering to a sessile sagittate-clasping base, the lower ones sparingly sinuate-toothed toward the base, the upper ones all entire; stem glabrous and glaucous; achenes black, oval, flattened, one-nerved on each face, finely pitted and transversely wrinkled, the beak about equal to the body of the achene in length; pappus white; flowers apparently yellow.
- "This is doubtless the plant reported by Burnham and Latham (Torreya 14: 252. 1914) as *L. sagittifolia* Ell., which is not uncommon in southern New York. The plants here described were collected by Roy Latham, at Cutchogue, town of Southold, and presented to the state herbarium."
- Xanthium italicum* Mor.—Locally common in cultivated and waste grounds at Greenport; determined at N. Y. Botanical Garden.

This supplementary list brings the total number of species reported by the authors from the town of Southold to:—Insect Galls, 95; Slime-molds, 20; Algae, 102; Fungi, 928; Lichens, 127; Hepatics, 32; Mosses, 111; Ferns, 37; Flowering Plants, 1160.





Burnham, Stewart H. and Latham, Roy A. 1924. "THE FLORA OF THE TOWN OF SOUTHOLD, LONG ISLAND AND GARDINER'S ISLAND, NEW YORK, Fourth Supplementary List." *Torrey* 24(2), 22–32.

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