• ❁ A LIST ❁ •

— OF —

PLANTS

— IN THE —

VICINITY OF UTICA,

— FOR —

April, May and a portion of June,

— BY —

DR. J. V. HABERER.

Published by the Asa Gray Botanical Club.

UTICA, N. Y.:

L. C. CHILDS & SON, PRINTERS AND BOOK-BINDERS.
1888.

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PLANTS

VICINITY OF LUTON

and other parts of the county of Kent

By J. V. HARRIS

London
Printed by J. V. HARRIS
1874

The Author is indebted to the Rev. J. V. HARRIS for the use of the press

PREFACE.

To the members of the Asa Gray Botanical Club :

The following list of plants was compiled when the club was first organized, and is now published at your solicitation. It was intended as a guide to the phanogamous and vascular cryptogamous plants found growing spontaneously within a radius of seven miles of Utica during the spring months.

Only those who have been engaged on a similar task can form a just estimate of the labor incident to its preparation.

It is a difficult matter to draw a line between the early or spring flowers, and the later or summer blooming ones, for the season which presents the greatest variation in the time of flowering is the spring. I cannot here enter into a lengthy statement of how widely the seasons may differ, but will offer in illustration of this, for purposes of comparison, a list of dates when our earliest spring flower, *i. e.*, *Hepatica*, was first observed in bloom during a period of seventeen years. [See list A.]

The list therefore includes the plants detected in flower from the opening of the season to about the second week in June. The flowering time of most species has been as definitely stated as possible, and also the maturing of fruit, when deemed necessary.

The region covered by this list lies between Sterling Creek on the east, Oriskany Creek on the west, and from the summit of the Deerfield Hills on the north, to the sphagnum pond on Frankfort Hill, generally known as Wetmore's, on the south—thus including Utica and portions of the towns of Frankfort, Schuyler, New Hartford, Whitestown, Marcy and Deerfield. Localities of rare plants have been carefully noted, and for convenience of many pursuing the study of botany, general localities have been described, such as ravines, hill-sides, shady woods, swamps, meadows, pastures, rich soils, etc., and to avoid repetition, unless expressly stated, plants are to be understood as common in the localities mentioned. It has been my aim to include such only as I can vouch for from personal observation, and a few that have been reported as formerly growing in this region, but probably now extinct.

My endeavor has been to conform as nearly as possible to the latest and most natural system of classification.

Acknowledgements are due to many botanical friends, who have rendered invaluable hints through their catalogues, also to you, the members of the Asa Gray Botanical Club, for assistance in preparing the list for publication.

In conclusion, do not rely on this list for too great assistance in the analysis of plants—it should rather serve the purpose of a diary for field notes. "The best part of botany is not in the books, but it is in that boundless, outdoor life, whose interest, beauty and mystery is with us from the cradle to the grave, forever stimulating inquiry and ever richly rewarding patient and loving toil."

JOSEPH V. HABERER.

President.

Utica, N. Y., May 1, 1888.

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LIST A.

A list of the dates when *Anemone acutiloba*, Lawson, (*Hepatica acutiloba*, DC.), was first observed in bloom :

May 4, 1872.	April 16, 1881.
April 24, 1873.	April 20, 1882.
April 19, 1874.	April 10, 1883.
April 27, 1875.	April 10, 1884.
April 27, 1876.	April 19, 1885.
April 12, 1877.	April 1, 1886.
April 1, 1878.	April 13, 1887.
April 22, 1879.	April 14, 1888.
April 28, 1880.	

By reference to my note book, I find that up to May 1st, 1878, I have recorded 110 different species in bloom; May 1st, 1881, 50; May 1st, 1886, 80; May 1st, 1888, 20; to June 1st, '74, 90; June 1st, '75, 100; June 1st, '76, 96; June 1st, '77, 110; June 1st, '78, 210; '79, 191; '80, 102; '81, 160; '83, 106; '85, 150; '86, 220. Record for '82 and '84 lost, and none made in 1887.

J. V. H.

PHÆNOGAMIA.

DICOTYLEDONS.

Ranunculaceæ—Crowfoot Family.

- Anemone nemorosa**, L. Wind-flower. Wood Anemone. Deer-field ravine. Frankfort hill. First half of May.
- Anemone Hepatica**, L. (*Hepatica triloba*, Chaix.) Round lobed Hepatica. Shady woods and exsiccated swamps. Uncommon. Early in May.
- Anemone acutiloba**, Lawson. (*Hepatica acutiloba*, DC.) Acute-lobed Hepatica. Our earliest spring flower. April.
- Anemone dichotoma**, L. Round-headed Anemone. Mohawk flats. First week in June, July.
- Thalictrum dioicum**, L. Early Meadow Rue. Ravine-sides. Oriskany and Deerfield. Frequent. First half of May.
- Ranunculus abortivus**, L. Small-flowered Crowfoot. Damp places. May and June.
- Ranunculus recurvatus**, Poir. Hooked Crowfoot. Rich woods. Springy hillsides in ravines. May and June.
- Ranunculus septentrionalis**, Poir. Creeping Crowfoot. Mohawk flats. Swampy places. Last of May to August.
- Ranunculus BULBOSUS**, L. Bulbous Buttercup. Roadsides, woods, ravines. May to July.
- Ranunculus ACRIS**, L. Acrid Buttercup. Everywhere. May to October.
- Caltha palustris**, L. Cowslip. Marsh Marigold. Swampy places. May and June.
- Trollius laxus**, Salisb. Globe-flower. Arbor vitæ swamp, near the old Chenango canal, just south of Utica; rare. Common in the swamps of South Herkimer County. April to June.
- Coptis trifolia**, Salisb. Goldthread. Bogs and evergreen shades. April to June.
- Aquilegia Canadensis**, L. Wild Columbine. Slaty, rocky soil. May to July.
- Aquilegia VULGARIS**, L. Columbine. Waste places about old houses. In a pasture near Yorkville. May to July.
- Actæa spicata**, L., var. *rubra*, Ait. Red Baneberry. Ravines and thickets. Early in May; fruit in August.
- Actæa alba**, Bigel. White Baneberry. Ravines and rich woods, most abundant on the hills. Last half of May, fruit in September.

Berberidaceæ—Barberry Family.

- Berberis VULGARIS**, L. Barberry. Woods and flats of streams, New Hartford. May or June, fruit in September.
- Caulophyllum thalictroides**, Mx. Blue Cohosh. Pappoose root. Ravines and woods. April or May, fruit in June or July.
- Podophyllum peltatum**, L. Mandrake. May-Apple. Rich soil. May or early in June, fruit in August.

Nymphaeaceae—Water-Lily Family.

Nuphar advena, Ait. Yellow Pond-lily. Spatter-dock. Ponds. May to August.

Sarraceniaceae—Pitcher Plant Family.

Sarracenia purpurea, L. Pitcher Plant. Sphagnum swamps. Frankfort, Whitestown. First half of June.

Papaveraceae—Poppy Family.

Chelidonium MAJUS, L. Celandine. Roadsides, waste places. May to September.

Sanguinaria Canadensis, L. Bloodroot. Ravine-sides and woods. April or early in May.

Fumariaceae—Fumitory Family.

Dicentra cucullaria, DC. Dutchman's breeches. April or early in May.

Dicentra Canadensis, DC. Squirrel corn. Both species common in ravines and woods. April or early in May.

Fumaria OFFICINALIS, L. Fumitory. Occasional in waste places. May to September.

Cruciferae—Mustard Family.

Nasturtium OFFICINALE, R. Br. Water Cress. Cold brooks. Last of May to November.

Nasturtium ARMORACIA, Fries. Horseradish. Banks of the Mohawk. Latter part of May, June.

Dentaria diphylla, L. Pepper root. Crinkle root. Rich soil. Early in May.

Dentaria laciniata, Muhl. Tooth root. Ravines and rich woods. April or early in May.

Dentaria maxima, Nutt. Great pepper root. Deerfield ravine in rich soil. Formerly on the flats of Starch Factory creek, east of Utica, but now all gone. Forms between this species and *D. diphylla* are not uncommon. A striking peculiarity, noted by Rev. J. A. Paine, *i. e.*, a secondary stem from the axil of the highest leaf, having lanceolate leaves and a raceme of 1-3 flowers, has been observed on the more robust plants. Well developed fruit rarely seen. Local. Middle of May.

Dentaria heterophylla, Nutt. Reported by Rev. J. A. Paine as growing along bottoms of Deerfield creek; is undoubtedly a small form of *D. maxima*, Nutt. Middle of May.

Cardamine rhomboidea, DC. Spring Cress. Damp woods. May and June.

Cardamine rhomboidea, DC., var. *purpurea*, Torr. Purple Cress. Along streams, swampy places. Scarce. April or early in May.

Cardamine pratensis, L. Cuckoo flower. Common in wet places on the Mohawk flats. May or early in June.

Cardamine hirsuta, L. Bitter Cress. In wet, miry places. April to November.

Cardamine hirsuta, L., var. *sylvatica*, Gray. In drier, shady places. Not common. May to July.

Barbarea vulgaris, R. Br. Yellow Rocket. A weed in wet grounds and along roadsides. May to November.

Arabis dentata, T. & G. Dentate-leaved Rock cress. Two plants found in woods on the Mohawk flats, three miles east of Utica, in May, 1878.

- Sisymbrium OFFICINALE**, Scop. Hedge Mustard. Waste places. May to November.
- Brassica CAMPESTRIS**, L. Waste grounds. May and June.
- Brassica NIGRA**, Koch. Black Mustard. Fields and waste lots. May to August.
- Brassica SINAPISTRUM**, Boiss. Charlock. Roadsides, fields and waste lots. May to November.
- Alyssum MARITIMUM**, L. Sweet Alyssum. Spontaneous about gardens. May and June.
- Camelina SATIVA**, Crantz. False Flax. Frequent along the Central railroad. May to September.
- Capsella BURSA-PASTORIS**, Mönch. Shepherd's Purse. A weed. April to November.

Violaceæ—Violet Family.

- Solea concolor**, Ging. (*Ionidium concolor*, Benth. & Hook.) Green Violet. Formerly on the Mohawk flats, near Little Lake. PAINE'S CATALOGUE. May or June.
- Viola rotundifolia**, Mx. Round-leaved violet. Ravines and rich woods. April and May.
- Viola primulifolia**, L. Primrose-leaved violet. Wet meadows, swamps, Oriskany; rare. May and June.
- Viola blanda**, Willd. Sweet white violet. Ravines, rich woods and swamps. April to June.
- Viola blanda**, Willd., var. *palustriformis*, Gray. Ravine-sides and sandy woods. (The violet that was sent to the late Prof. Asa Gray for determination.) May and June.
- Viola blanda**, Willd., var. *renifolia*, Gray. Tamarack and arbor vitae swamps in shade. May.
- Viola Selkirkii**, Ph. Selkirk's violet. Mossy ravines, damp woods. Some seasons it remains in flower a week or longer. April to middle of May.
- Viola ODORATA**, L. Sweet violet. Lawns, gardens. April or May.
- Viola palmata**, L., var. *cucullata*, Gray. Common blue violet. Wet meadows, woods. Flowers white occasionally. May and June.
- Viola rostrata**, Muhl. Long-spurred violet. Ravines, rich woods. May and June.
- Viola canina**, L., var. *Muhlenbergii*, Gray. Dog violet. Swamps and ravines. May and June.
- Viola striata**, Aiton. Pale violet. Alluvial soil. Common in thickets along the Mohawk. May to July.
- Viola Canadensis**, L. Canada violet. Rich woods and ravines. May to August.
- Viola pubescens**, Aiton. Downy yellow violet. Woods and ravines. April to June.
- Viola pubescens**, Ait., var. *scabriuscula*, T. & G. Dry woodlands along Starch Factory creek. May.
- Viola TRICOLOR**, L. Common pansy. Escaped from cultivation in several places. May, June.

Caryophyllaceæ—Pink Family.

- Stellaria MEDIA**, Sm. Chickweed. Very common. March to November.
- Stellaria longifolia**, Muhl. Long-leaved stitchwort. Wet meadows. Mohawk flats. Last of May, June.

Stellaria borealis, Bigel. Northern stellaria. Swampy places. Along Starch Factory Creek and the old Chenango canal. Opposite Oriskany. May and June.

Cerastium vulgatum, L. Mouse-eared chickweed. Scarce; in barren fields. May to August.

Cerastium viscosum, L. Common chickweed. Common in waste ground. May to October.

Cerastium arvense, L. Field chickweed. Cultivated grounds. Ravine in Schuyler. Rare. May to August.

Sagina procumbens, L. Pearlwort. Streets of Utica. May to August.

Arenaria stricta, Watson. Sandwort. Sandy soil in Marcy. Uncommon. May to July.

Arenaria lateriflora, L. Banks of the Mohawk. Rare. May and June.

Portulacaceæ—Purslane Family.

Claytonia Virginica, L. Claytonia. Alluvial soil. Common in thickets along the Mohawk. First half of May.

Claytonia Caroliniana, Mx. Spring beauty. Woods and ravines. April and May.

Malvaceæ—Mallow Family.

Malva rotundifolia, L. Common mallow. Waste places. May to November.

Geraniaceæ—Geranium Family.

Geranium maculatum, L. Wild Crane's bill. Moist meadows. Whitestown. Last of May to August.

Geranium Robertianum, L. Herb Robert. Ravine bottoms. Moist woods. Last of May to October.

Floerkea proserpinacoides, Willd. False Mermaid. Wet woods. Mohawk flats three miles east of Utica. Abundant opposite Oriskany. Last of May or early in June.

Oxalis Acetosella, L. Wood sorrel. Rich woods on the hills. May to August.

Oxalis corniculata, L., var. *stricta*, Sav. Yellow sorrel. Waste grounds and fields. Variable. May to September.

Rutaceæ—Rue Family.

Xanthoxylum Americanum, Mill. Prickly Ash. Toothache tree. Banks of the Mohawk. Frequent opposite Oriskany. Schuyler. Borders of fields just east of Utica. Early in May, fruit in June.

Ilicineæ—Holly Family.

Nemopanthes Canadensis, DC. Mountain Holly. Swamps, Frankfort, Whitestown. May or early in June, fruit in July.

Rhamnaceæ—Buckthorn Family.

Rhamnus cathartica, L. Buckthorn. Hedges. Private grounds. May, fruit in September.

Rhamnus alnifolia, L'Her. Swamps near Oriskany. Rare. Last of May.

Vitaceæ—Vine Family.

Ampelopsis quinquefolia, Mx. Woodbine. Woods and stream-sides. May and June.

Vitis cordifolia, Lam. Frost Grape. Mohawk flats. Last of May, fruit in October.

Vitis Labrusca, L. Wild Grape. Ravines and woods. May or early in June, fruit in October.

Vitis æstivalis, Mx. Summer Grape. Woods and along streams. Uncommon. Last of May, fruit in September.

Sapindaceæ—Soapberry Family.

Staphylea trifolia, L. Bladder-Nut. Thickets on Mohawk flats. May or early in June, fruit in July.

Acer Pennsylvanicum, L. Striped Maple. Ravines and woods. Latter part of May, fruit in June.

Acer spicatum, Lam. Mountain Maple. Swamps and along streams. May or early in June, fruit in July.

Acer saccharinum, Wang. Sugar or Hard Maple. A valuable tree. Yields maple sugar. May, fruit in July.

Acer saccharinum, Wang., var. *nigrum*, T. & G. Black Maple. Woods. Scarce. May, fruit in July.

Acer dasycarpum, Ehrh. Silver or White Maple. Mohawk flats. Stream-sides. April or May, fruit in June.

Acer rubrum, L. Red or Swamp Maple. Swamps and along streams. April, fruit in June.

Æsculus hippocastanum, L. Horse Chestnut. Planted for ornament. Spontaneous. May, fruit in September.

Leguminosæ—Pulse Family.

Medicago LUPULINA, L. Black Medick. Nonesuch. Waste places. May to October.

Trifolium PRATENSE, L. Red Clover. Meadows and roadsides. May to October.

Trifolium REPENS, L. White Clover. Meadows and roadsides. May to October.

Trifolium HYBRIDUM, L. Hybrid Clover. Along roadsides; Frankfort, New Hartford and Deerfield. May to October.

Robinia Pseudacacia, L. Locust. Well established along roadsides; New Hartford. Last of May or early in June.

Rosaceæ—Rose Family.

Prunus Americana, Marsh. Wild Plum. Roadsides. Banks of the Mohawk. April or early in May, fruit in August.

Prunus SPINOSA, L. Thorny Plum. Occasional along roadsides. Asylum grounds. May or June.

Prunus DOMESTICA, L. Garden Plum. Sometimes spontaneous. May.

Prunus Pennsylvanica, L. Wild Red Cherry. Borders of woods. May, fruit in August.

Prunus Virginiana, L. Choke Cherry. Banks of the Mohawk. May or early in June, fruit in August.

Prunus serotina, Ehrh. Wild Black Cherry. Wooded hillsides. Mohawk flats. May or early in June, fruit in September.

- Prunus vulgaris**, L. Sour Cherry. Spontaneous in gardens. May.
Geum rivale, L. Purple Avens. Arbor vitæ. swamps. Mohawk flats.
 Last of May to July.
- Neillia opulifolia**, Benth. & Hook. (*Spiræa opulifolia*, L.) Nine-bark. A single clump of bushes on the edge of a ditch, Park avenue. Utica, just north of the Central railroad tracks. First found June 13, 1872. Early in June.
- Waldsteinia fragarioides**, Tratt. Barren Strawberry. Ravine-sides, swampy places. Last of May to July.
- Potentilla argentea**, L. Silvery Potentilla. Meadows and pastures, New Hartford, Whitestown. May to September.
- Potentilla Canadensis**, L. var. simplex, T. & G. Cinque Foil Five Finger. Meadows and pastures. Last of May to August.
- Fragaria Virginiana**, Duchesne. Wild Strawberry. Everywhere. April to October.
- Fragaria vesca**, L. Woodland, Wild Strawberry. Ravine-sides, rich woods. May and June.
- Dalibarda repens**, L. False Violet. Ravine-sides, swampy woods. May to August.
- Rubus triflorus**, Rich. Dwarf Raspberry. Ravine-sides, wet woods, swamps. April to June.
- Rubus strigosus**, Mx. Red Raspberry. Clearings, roadsides, borders of woods and thickets. May or June, fruit in July. Has been observed in flower and fruit in October.
- Rubus occidentalis**, L. Black Raspberry. Roadsides and thickets. June, fruit in July or August.
- Rubus villosus**, Ait. Blackberry. Clearings, roadsides and along streams. June, fruit in August and September.
- Cratægus OXYACANTHA**, L. Hawthorn. Roadsides, flats of streams. May, fruit in Sept.
- Cratægus coccinea**, L. Scarlet fruited Thorn. Ravine-sides. May or June, fruit in September.
- Cratægus tomentosa**, L. Black Thorn. Pastures. Mohawk flats. May or early in June, fruit in September.
- Cratægus punctata**, Jacq. Dotted Thorn. Frequent. Mohawk flats. May or early in June, fruit in September.
- Cratægus Crus-galli**, L. Cockspur Thorn. Hedges, stream-sides. Last of May, June, fruit in September.
- Rosa blanda**, Ait. Early Wild Rose. Mohawk flats. Scarce. May or June.
- Pirus coronaria**, L. American Crab Apple. Formerly in woods near reservoir, New Hartford. May.
- Pirus MALUS**, L. Apple. Spontaneous along roadsides; in pastures and ravines. May.
- Pirus arbutifolia**, L. f. Choke Berry. Sphagnum swamps, Frankfort, Whitestown. Scarce. May or June.
- Pirus arbutifolia**, L. f., var. melanocarpa, Hook. Swamps. Last of May or early in June.
- Amelanchier Canadensis**, T. & G. Shadbush, June or Service Berry. Woods and ravine-sides. Might be of value if cultivated. April or May, fruit in July.
- Amelanchier Canadensis**, T. & G., var. (?) oblongifolia, T. & G. Along streams, swamps. Deerfield, Frankfort. May and June.

Saxifragaceæ—Saxifrage Family.

- Ribes Cynosbati**, L. Wild Gooseberry. Ravine sides. Berries prickly, but edible. May, fruit in July.
- Ribes oxycanthoides**, L. Smooth Gooseberry. Swampy places. New Hartford, Deerfield. Frequent May; Fruit in July.
- Ribes prostratum**, L'Her. Prostrate, or Skunk Currant. Rich woods. Frankfort Hill. Uncommon. Last of May, fruit in June.
- Ribes floridum**, L'Her. Wild Black Currant. Swampy places. May, fruit in July.
- Ribes rubrum**, L. Red Currant. Occasional in swampy woods. May, fruit in July.
- Saxifraga Pennsylvanica**, L. Swamp Saxifrage. Wet places. Mohawk flats. May and June.
- Mitella diphylla**, L. Mitrewort. Bishop's Cap. Ravines and woods. April and May.
- Mitella nuda**, L. Naked Mitrewort. Evergreen shades. Rare except on the hills. Last of May, June.
- Tiarella cordifolia**, L. False Mitrewort. Ravine-sides and woods. May.
- Chrysosplenium Americanum**, Schw. Golden Saxifrage. Along cold streams, swampy places. April and May.

Crassulaceæ—Orpine Family.

- Sedum ternatum**, Mx. Stone Crop. Escapes from cultivation. May or June.

Onagraceæ—Evening Primrose Family.

- Oenothera pumila**, L. Dwarf Evening Primrose. Meadows and pastures. Early in June to August.

Umbelliferae—Parsley Family.

- Thaspium aureum**, Nutt. Meadow Parsnip. Wet meadows. May and June.
- Osmorrhiza brevistylis**, DC. Hairy Sweet Cicely. Woods and ravines. May and June.
- Carum carui**, L. Caraway. Fields and along roadsides. Last of May to August.

Araliaceæ—Ginseng Family.

- Aralia nudicaulis**, L. Wild Sarsaparilla. Ravine-sides and woods. Last of May or early in June.
- Aralia trifolia**, Dec. & Planch. Ground-nut. Dwarf Ginseng. Woods and ravines, in rich soil. April or May.

Cornaceæ—Dogwood Family.

- Cornus Canadensis**, L. Dwarf Cornel. Bunch-berry. Swampy woods. Last of May, June.
- Cornus circinata**, L'Her. Round-leaved Cornel. Ravine-sides. Deerfield and Marcy. Second week in June.

Cornus stolonifera, Mx. Red Osier Dogwood. Swamps and along streams. Early in June.

Cornus alternifolia, L. Alternate-leaved Cornel. Ravines and open woods. May or early in June.

Nyssa multiflora, Wang. Pepperidge. Mohawk flats. Paine's Catalogue. April or May.

Caprifoliaceæ—Honeysuckle Family.

Sambucus racemosa, L. Red-berried Elder. Ravines, swampy places. April and May.

Viburnum lantanoides, Mx. Hobble bush. Wayfaring tree. Ravine-sides and rich woods. May.

Viburnum Opulus, L. Cranberry tree. Swamps on Mohawk flats. Early in June.

Viburnum acerifolium, L. Dockmackie. Woods and ravines. Early in June.

Viburnum dentatum, L. Mohawk flats. Second week in June.

Viburnum cassinoides, L. Withe-rod. Upland swamps. Frankfort, Whitestown. Early in June.

Viburnum Lentago, L. Sweet Viburnum. Along streams. Mohawk flats. Last of May, June.

Linnæa borealis, Gronov. Twin-flower. Mossy ravines, Deerfield, Marcy. First week in June to August.

Lonicera ciliata, Muhl. Fly Honeysuckle. Woods, ravines and swamps. April or May.

Lonicera TARTARICA, L. Tartarian Honeysuckle. Escaped from cultivation on Steele's Hill, South of Utica. May, June.

Diervilla trifida, Mönch. Bush Honeysuckle. Ravine sides, shady woods. Early in June.

Rubiaceæ—Madder Family.

Galium Aparine, L. Cleavers. Shady woods. May and June.

Galium trifidum, L. (G. tinctorium, L.) Bedstraw. Mohawk flats. Second week in June.

Valerianaceæ—Valerian Family.

Valerianella Chenopodifolia, DC. (Fedia Fagopyrum, T. & G.) Corn Salad. Formerly near Little Lake. Near U. & B. R. R. R. Mohawk flats, opposite Utica. Rare. Early in June.

Compositæ—Composite Family.

Tussilago FARFARA, L. Coltsfoot. Flats of streams, railroad embankments. April and May.

Erigeron bellidifolius, Muhl. Robin's Plantain. Hillsides along streams. May and June.

Erigeron Philadelphicus, L. Fleabane. Wet meadows, swamps, ravines. Early in June to July.

Antennaria plantaginifolia, Hook. Plantain leaved Everlasting. Pastures, ravines. May.

Senecio aureus, L. Golden Ragwort, Squaw weed. Swampy places. May or early in June.

Senecio VULGARIS, L. Groundsel. A weed in waste lots. April to October.

Taraxacum officinale, Weber. Dandelion. Everywhere. April to November.

Ericaceæ—Heath Family.

- Gaylussacia resinosa**, T. & G. Huckleberry. Sandy woods, swamps, Frankfort, Whitestown. Early in June, fruit in September.
- Vaccinium Pennsylvanicum**, Lam. Dwarf Blueberry. Swamps and sandy woods. Last half of May, fruit in July.
- Vaccinium Canadense**, Kalm. Canada Blueberry. Swamps, Frankfort, Schuyler. Early in June, fruit in July.
- Vaccinium corymbosum**, L. Swamp Blueberry. Upland swamps. May and June, fruit in August.
- Vaccinium corymbosum**, L. var. *atrocoecum*, Gray. Frankfort Hill. Scarce, June.
- Vaccinium Oxycoccus**, L. Small Cranberry. Sphagnum swamps. Frankfort, Whitestown. June.
- Chiogenes hispidula**, T. & G. Creeping Snowberry. Evergreen woods and swamps. May, fruit in July.
- Cassandra calyculata**, Don. Leather Leaf. Sphagnum bogs, Frankfort and Graefenberg Hills. May.
- Andromeda polifolia**, L. Wild Rosemary. Sphagnum bogs, Frankfort and Graefenberg Hills. May or early in June.
- Ledum latifolium**, Ait. Labrador Tea. Upland swamps, Frankfort. May or early in June.
- Kalmia angustifolia**, L. Sheep Laurel. Swamps, Frankfort and Whitestown. Early in June.
- Kalmia glauca**, Ait. Pale Laurel. In a swamp near Whitesboro. PROF. E. HUNT, IN HERB. May or early in June.
- Rhododendron nudiflorum**, Torr. Pinxter bloom. Upland swamps, Frankfort and Whitestown. May and June.

Primulaceæ—Primrose Family.

- Trientalis Americana**, Ph. Star-flower. Ravines and rich woods. Last of May or early in June.
- Lysimachia nummularia**, L. Moneywort. Naturalized along roadsides. New Hartford. Mohawk flats near Oriskany. May and June.

Oleaceæ—Olive Family.

- Fraxinus Americana**, L. White Ash. Ravines and moist woods. May, fruit in August.
- Fraxinus sambucifolia**, Lam. Black Ash. Swamps. April or May, fruit in July.

Apocynaceæ—Dog-bane Family.

- Vinea Minor**, L. Periwinkle. Escapes from cultivation. Improperly called Myrtle. May.

Gentianaceæ—Gentian Family.

- Menyanthes trifoliata**, L. Buckbean. Upland sphagnum swamps. Frankfort, New Hartford. Last of May, June.

Polemoniaceæ—Phlox Family.

- Phlox divaricata**, L. Divaricate Phlox. Flats of streams. Rich woods. May and June.

Borraginaceæ—Borrrage Family.

Lithospermum ARVENSE, L. Corn Gromwell. Frequent along railroads. May and June.

Myosotis PALUSTRIS, With. Forget-me-not. Escaped from cultivation in many places. May to September.

Myosotis verna, Nutt. Myosotis. Barren fields about Utica. Scarce. May to July.

Cynoglossum OFFICINALE, L. Hound's-tongue. Waste grounds, pastures, ravines. Last of May to middle of July.

Symphytum OFFICINALE, L. Comfrey. Roadsides, pastures, flats of streams. Early in June to August.

Hydrophyllaceæ—Water-leaf Family.

Hydrophyllum Virginicum, L. Water-leaf. Meadows, borders of woods and thickets. June.

Scrophulariaceæ—Figwort Family.

Collinsia verna, Nutt. Innocence. Formerly on the Mohawk flats near Little Lake. Paine's Catalogue. May.

Scrophularia nodosa, L., var. Marilandica, Gray. Figwort. Along roadsides and railroads, borders of woods. First week in June to August.

Veronica officinalis, L. Common Speedwell. Ravines and pastures. May to August.

Veronica serpyllifolia, L. Thyme-leaved Speedwell. Meadows and pastures. May to July.

Veronica Americana, Schw. Wet, swampy places. Early in June to September.

Veronica scutellata, L. Ditches on the Mohawk flats. May to July.

Veronica peregrina, L. Purslane Speedwell. Waste grounds. May to July.

Veronica arvensis, L. Corn Speedwell. Cultivated grounds. Sandy hillsides and pastures. May to July.

Pedicularis Canadensis, L. Lousewort. Steep sides of Oriskany creek, opposite the burnt factory. Last of May, June.

Labiataæ—Mint Family.

Nepeta GLECHOMA, Benth. Ground Ivy. Gill. Waste grounds, ravines and woods. May to August.

Plantaginaceæ—Plantain Family.

Plantago LANCEOLATA, L. Rib-grass. English Plantain. Waste grounds. May to October.

Chenopodiaceæ—Goosefoot Family.

Chenopodium BONUS-HENRICUS, L. Good-King-Henry. Streets of Utica. Roadsides, Frankfort, New Hartford. Last of May, October.

Polygonaceæ—Buckwheat Family.

Rumex ACETOSELLA, L. Field or Sheep Sorrel. Fields and waste grounds. May to October.

Aristolochiaceæ--Birthwort Family.

Asarum Canadense, L. Wild Ginger. Ravine-sides and moist woods. April or May.

Lauraceæ--Laurel Family.

Lindera Benzoin, Meisn. Spice Fever or Benjamin bush. Damp woods, swampy places. April or early in May. Fruit scarce.

Thymeleaceæ--Mezereum Family.

Dirca palustris, L. Leatherwood, Moosewood. Flats of streams, moist woods. April or early in May. Fruit in June.

Elæagnaceæ--Oleaster Family.

Shepherdia Canadensis, Nutt. Shepherdia. Slaty sides of Deerfield ravine. Middle of May, fruit in June.

Loranthaceæ--Mistletoe Family.

Arceuthobium pusillum, Peck. Arceuthobium. Parasitic on *Picea nigra*, Link. Abundant on stunted, frequent on healthy trees, in the swamps, on the heights of Frankfort, Herkimer county. May to October.

Euphorbiaceæ--Spurge Family.

Euphorbia CYPARISSIAS, L. Cypress Spurge. Escaped to roadsides. May and June.

Urticaceæ--Nettle Family.

Ulmus fulva, Mx. Slippery Elm. Along streams. Mohawk flats. April or May, fruit in June.

Ulmus Americana, L. White or American Elm. Everywhere. April or May, fruit in June.

Ulmus racemosa, Thomas. Corky, Racemed Elm. Mohawk flats and along streams. April or May, fruit in June.

Platanaceæ--Plane-Tree Family.

Platanus occidentalis, L. Sycamore. Button Ball. Along streams. Mohawk flats. May.

Juglandaceæ--Walnut Family.

Juglans cinerea, L. Butternut. Woods, stream-sides. Mohawk flats. May or early in June, fruit last of September.

Carya alba, Nutt. Shagbark Hickory. Frequent on the Mohawk flats. May or early in June, fruit in October.

Carya amara, Nutt. Bitternut. Ravines, woods and pastures. Mohawk flats. Last of May or early in June, fruit in October.

Carya porcina, Nutt. Pig-nut. Meadows and pastures. Not common. Last of May, fruit in October.

Betulaceæ—Birch Family.

- Betula lenta**, L. Cherry Birch. Ravines. Scarce. First half of May.
Betula lutea, Michx. f. Yellow Birch. Woods and ravines. First half of May.
Betula nigra, L. River or Red Birch. Marcy, Deerfield. Rare. Last half of May.
Alnus serrulata, Willd. Smooth Swamp Alder. Swamps, Mohawk flats. March or April.

Cupuliferæ—Oak Family.

- Carpinus Americana**, Lam. Blue or Water Beech. Along streams. Early in May, fruit in August.
Ostrya Virginica, Willd. Ironwood. Hop-hornbeam. Along streams, woods. Early in May, fruit in August.
Corylus Americana, Walt. Hazel-nut. Filbert. Ravine-sides, woodlands, Mohawk flats. April or early in May, fruit in September.
Quercus alba, L. White Oak. Woods. Scarce. Last half of May, fruit in October.
Quercus bicolor, Willd. Swamp Oak. Mohawk flats. Last of May, fruit in October.
Quercus rubra, L. Red Oak. Woods and ravines. Mohawk flats. Last half of May, fruit in October.
Fagus ferruginea, Ait. Beech. Woods and ravines. Last half of May, fruit in October.

Salicaceæ—Willow Family.

Flowers in April or May. Fruit in May or June. Leaves in August or September.

- Salix discolor**, Muhl. Glaucous Willow. Wet places. April, May.
Salix sericea, Marsh. Silky Willow. Deerfield and Marcy. Scarce. May.
Salix petiolaris, Smith. Petioled Willow. Frequent along the Mohawk. May and June.
Salix PURPUREA, L. Purple Willow. James street, Utica. Mohawk flats. May.
Salix VIMINALIS, L. Basket Osier. Uncommon. This and the preceding species have been cultivated for basket work. May.
Salix rostrata, Rich. Livid Willow. Not rare. Schuyler. May, June.
Salix nigra, Marsh. Black Willow. Abundant on the Mohawk flats. May, June.
Salix FRAGILIS, L., Brittle Willow. Along streams. Mohawk flats. May, June.
Salix FRAGILIS, L., var. *decipiens*, Hoffm. Mohawk flats. May, June.
Salix ALBA, L. White Willow. Along roadsides and streams. May, June.
Salix ALBA, L., var. *vitellina*, Koch. Mohawk flats.
***Salix BABYLONICA**, Tourn. Weeping Willow. Planted for ornament. May, June.
Populus tremuloides, Mx. American Aspen. Ravines and woods. May.

*There are doubtless other species, but they are omitted because undetermined.

- Populus grandidentata**, Mx. Large-toothed Aspen. Woods. May.
Populus balsamifera, L., var. *candicans*, Gray. Balm of Gilead.
 Mohawk flats. Commonly cultivated. May, June.
Populus DILATATA, Ait. Lombardy Poplar. Roadsides near old farm
 houses. Mohawk flats. May.
Populus ALBA, L. White Poplar. Roadsides. Mohawk flats. May.

MONOCOTYLEDONS.

Orchidaceæ—Orchis Family.

- Orchis spectabilis**, L. Showy Orchis. Rich woods, ravine-sides.
 Latter part of May.
Spiranthes latifolia, Torr. Ladies' Tresses. Wet places at Oriskany,
 both sides of the Mohawk. Early in June.
Listera cordata, R. Br. Tway Blade. Swamp on Mohawk flats.
 Schuyler. Early in June.
Corallorhiza innata, R. Br. Coral Root. Swamps. Frankfort,
 Schuyler. Whitestown. Early in June.
Aplectrum hiemale, Nutt. Adam and Eve. Putty Root. Rich
 soil in woods, Deerfield, New Hartford. A few plants in woods two
 and one-half miles South of Utica. Early in June.
Cypripedium pubescens, Willd. Moccasin Flower. Larger Yellow
 Lady Slipper. Swamps, Frankfort, New Hartford, Whitestown,
 Schuyler. Last half of May.
Cypripedium parviflorum, Salisb. Smaller Yellow Lady's Slipper.
 Swamps, Frankfort, New Hartford, Whitestown, Schuyler. Last of
 May or early in June.
Cypripedium acaule, Ait. Stemless Lady's Slipper. Sphagnum
 swamps, Frankfort, Whitestown. May or early in June.

Iridaceæ--Iris Family.

- Iris versicolor**, L. Blue Flag. Wet meadows and swamps. May and
 June.
Sisyrinchium anceps, L. Blue-eyed Grass. Meadows. May to
 August.

Liliaceæ—Lily Family.

- Trillium erectum**, L. Stink Pot. Purple Birthroot. Woods and
 ravines. Flower occasionally, dull yellow. April or early in May.
Trillium erectum, L., var. *album*, Ph. White Birthroot. Thickets
 along the Mohawk. Middle of May.
Trillium grandiflorum, Salisb. Wake Robin. Large White Tril-
 lium. Shady hillsides. Wet woods. Cedar swamps. Early in May.
Trillium erythrocarpum, Mx. Painted Trillium. Shady woods.
 Brows of ravines. Utica, Deerfield, Whitestown, Frankfort, Marcy.
 Middle of May.
Medeola Virginiana, L. Indian Cucumber. Rich woods. Middle of
 June.
Asparagus OFFICINALIS, L. Garden Asparagus. Mohawk flats ; along
 streams near reservoir. May.
Polygonatum biflorum, Ell. Solomon's Seal. Ravines and woods.
 Middle of May.

- Smilacina racemosa**, Desf. False Spikenard. Ravine-sides and borders of woods. May or early in June.
- Smilacina stellata**, Desf. Mohawk flats. Woods along the old Chango canal. May or June.
- Smilacina trifolia**, Desf. Sphagnum swamps, Frankfort. Whites-town. Last of May, June.
- Maianthemum Canadense**, Desf. Woods and ravines. May or early in June.
- Uvularia grandiflora**, Sm. Large-flowered Bellwort. Ravines and wet woods. April and May.
- Uvularia perfoliata**, L. Mealy Bellwort. Ravines in Deerfield. Rich woods on Frankfort Hill. Rare. Middle of May.
- Oakesia sessilifolia**, Watson. Wild Oats. Woods and ravines. April and May.
- Streptopus roseus**, Mx. Twisted Stalk. Ravines and rich woods. May.
- Clintonia borealis**, Raf. Wild Lily of the Valley. Swamps, ravines and rich woods. May.
- Erythronium Americanum**, Sm. Dog's Tooth Violet. Yellow Adder's Tongue. Ravines and woods. April or May.
- Ornithogalum umbellatum**, L. Star of Bethlehem. Escaped from cultivation. Last of May, June.
- Allium tricoccum**, Ait. Wild Leek. Ravines and woods. Leaves in May, flowers in June or July.
- Allium Canadense**, Kalm. Wild Garlic. In thickets along the Mohawk. Early in June.

Juncaceæ—Rush Family.

- Luzula pilosa**, Willd. Wood, Hairy Rush. Ravine-sides, Oriskany. Not common. Last of May.
- Luzula campestris**, DC. Field Rush. Dry woods. Uncommon. Last of May.

Araceæ—Arum Family.

- Arisaema triphyllum**, Torr. Indian Turnip. Jack in the Pulpit. Ravines and rich woods. April or May.
- Acorus Calamus**, L. Sweet Flag. Swampy places, cold streams. Second week in June.
- Calla palustris**, L. Wild Calla. Bogs, Frankfort and Graefenberg hills. May to August.
- Symplocarpus foetidus**, Salisb. Skunk Cabbage. Swamps, Mohawk flats. March to May.

Naiadaceæ—Pond-Weed Family.

- Scheuchzeria palustris**, L. Scheuchzeria. Bogs, Frankfort, Whitestown. Not common. May, fruit in June.

Cyperaceæ—Sedge Family.

Time given is for fully developed perigynia.

- Carex arctata**, Boott. Ravine sides and woods. First half of June.
- Carex bromoides**, Schk. Wet places. Last of May or early in June.
- Carex cephalophora**, Muhl. Mohawk flats in Marey. Scarce. Last of May.
- Carex filiformis**, L., var. *latifolia*, Bækl. Border of cultivated grounds near Yorkville. Last of May.
- Carex granularis**, Muhl. Meadows on Mohawk flats. Early in June.

Carex laxiflora, Lam. Meadows, wet woods, ravines, etc. Very common and variable. The following varieties have been detected: *intermedia*, Boott., *latifolia*, Boott., *patulifolia*, Carey., *striatula*, Carey. First week in June.

Carex pallescens, L. Meadows on Mohawk flats. Early in June.

Carex pedunculata, Muhl. Ravines. First half of May.

Carex Pennsylvanica, Lam. Sandy hillsides and woods, Whites-town, First week in June.

Carex plantaginea, Lam. Ravines. Middle of May.

Carex pubescens, Muhl. Flats of Starch Factory Creek. Mohawk flats. Second week in June.

Carex Schweinitzii, Dew. Swampy places and ditches, at Oriskany, east of the creek. Abundant S. W. of the Central Depot. Second week in June.

Carex stipata, Muhl. Wet places. First of June.

Carex tenella, Schk. (*C. disperma*, Dew.) Arbor vitæ swamps. Early in June.

Carex umbellata, Schk. Sandy hillsides and woods, Whitestown. Last of May.

Carex varia, Muhl. Ravines and woods. First half of June.

Gramineæ--Grass Family.

Oryzopsis asperifolia, Mx. Mountain Rice. Sandy hillsides, Whitestown, Frankfort. May, June.

Dactylis GLOMERATA, L. Orchard Grass. Roadsides and fields. May and June.

Poa ANNUA, L. Low Spear Grass. Waste places, cultivated grounds. April to October.

Poa pratensis, L. Kentucky Blue Grass. June Grass. Pastures and meadows. May to August.

Festuca nutans, Willd. Nodding Fescue. Woods. Last of May to July.

Anthoxanthum ODORATUM, L. Sweet Vernal Grass. Pastures and roadsides. May, June.

Avenastriata, Mx. Oat. Rich woods, New Hartford. Early in June.

GYMNOSPERMS.

Coniferae — Pine Family.

Pinus Strobus, L. White Pine. Formerly abundant, now scarce in this region. May or June.

Larix Americana, Mx. Tamarack. Mohawk flats. Frankfort Hill. May or June.

Picea alba, Link. White Spruce. Frankfort Hill. Scarce. May or June.

Picea nigra, Link. Black Spruce. Frankfort and Graefenberg Hills. May or June.

Tsuga Canadensis, Carr. Hemlock. Ravines, woods and swamps. May or June.

Abies balsamea, Marsh. Balsam Fir. Mohawk flats. Frankfort and Graefenberg Hills. May or June.

Thuja occidentalis, L. Arbor Vitæ. White Cedar. Swamps. May.

Taxus baccata, L., var. *Canadensis*, Gray. American Yew. Ground Hemlock. Ravine-sides and woods. April or May.

CRYPTOGAMIA.

VASCULAR CRYPTOGAMIA.

Equisetaceæ—Horse-Tail Family.

- Equisetum arvense**, L. Common Horse-tail. Damp grounds, along streams and railroads. April or May.
- Equisetum hyemale**, L. Scouring Rush. Wet banks and hill-sides. First half of May.
- Equisetum sylvaticum**, L. Woodland Horse-tail. Damp woods and cedar swamps. Middle of May.
- Equisetum variegatum**, Schleich. Wet banks of Oriskany creek opposite the burnt factory. Rare. Last of May or early in June.
- Equisetum scirpoides**, Mx. Swamps near Utica. Rare. Last of May or early in June.

Filices—Fern Family.

- Osmunda cinnamomea**, L. Cinnamon Fern. Swampy ground. The var. *frondosa*, is scarce. Last of May or early in June.
- Osmunda Claytoniana**, L. Clayton's Flowering Fern. Moist ground. Last of May or early in June.

NOTE—Naturalized and adventive plants in small capitals.