Compliments of the Author
FLORA

Of Onondaga County as Collected by the Members of the
SYRACUSE
BOTANICAL CLUB

COMPiled, CLASSIFIED AND CATALOGUED BY

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PREFACE

In planning this local, floral catalogue I have carried out Britton's arrangement of orders and genera as nearly as seemed advisable. Commencing with the Ferns, continuing through the flowerless plants to those of higher order. Throughout, priority in nomenclature with dates have been carefully studied as revised by scientists of today and endorsed by the Torrey Club, so far as I have been able to obtain them. Where such priority is given, the name under which the plant was first identified by members of the Syr. Bot. Club are indicated by the use of italics, with their dates. Also the much required common names and one locality with environment for each species is given, with date of finding. I am indebted to Mr. Fred Wheeler and Mr. Geo. Morris for the partial list of Onondaga's fungi, which with my own collection, form only a portion of those found here. I have used them as authority in quality, with Chas. H. Peck, "State Botanist," and Chas. McIlvaine, author of "One Thousand American Fungi." Those marked Ed. are considered edible. Those marked P are considered poisonous. Those without a mark are doubtful.

L. L. GOODRICH
FILICES

FERNS AND FERN ALLIES

OPHIOGLOSSACEÆ—Presl. 1836—Adder Tongue Fam.

OPHIOGLOSSUM—Lin. 1753.

O. VULGATUM—Lin., 1753. Adder's Tongue.
Infrequent in old pastures and thickets. Cicero and
other places. Principally in northern part of county.
Leach Farm, Cicero, July, 1895.

BOTRICHINUM—Swartz, 1800.

B. SIMPLEX—E. Hitchcock, 1823. Little Grape Fern.
Rare. Damp places; very small (2 inches); July and
August.

B. LUNARIA—Swartz, 1800. Moonwort.
Rare. Rocky hillsides. Jamesville Road and Geddes
Gorge. June, 1885.

B. MATRICARIEFOLIUM—A. Br., 1843. Matricary Grape
Fern.
Rare. Moist and swampy grounds. May and June
1889.

B. TERNATUM—Swartz, 1800. Ternate Grape Fern.
September until frost. Centerville and Tully, Septem-
ber, 1895.

B. TERNATURN VAR OBLIQUEUM—A Gray, 1843. Oblique
Grape Fern.
Smaller and more dissected. Oblique lanceolate seg-
ments. Centerville, September, 1895.
B. TERNATUM VAR DISSECTUM—Swartz, 1800. Dissected Grape Fern.
   Frequent. Very small with fine and narrowly dissected segments. Tully, August, 1897.

B. TENEBSOMUM—A. A. Eaton, 1897. Tenebrose Grape Fern.
   Very rare. Baldwinsville only locality reported.

B. LANCEOLATUM—Angs, 1854. Lance Leaved Grape Fern.
   Rare. Meadows and swamps. Baldwinsville, Tully, etc., June, 1896.

B. VIRGINANUM—Swartz, 1800. Rattlesnake Fern.

B. GRACILE—Pursh, 1814. Small Rattlesnake Fern.

   OSMUNDACEÆ—R. Br. 1810—Royal Fern Fam.

   OSMUNDA—Lin. 1753.

O. REGALIS—Lin., 1853. Royal Fern.


O. CINNAMOMEA VAB FRONDOSA—A. Gray, 1843.
O. **Claytoniana**—Lin., 1753. (*Osmunda interrupta Michx., 1803.*) Clayton's Fern.

**POLYPODIACEAE—R. Br. 1810—Fern Fam.**

**ONOCLEA**—Lin., 1753.

O. **Sensibilis**—Lin., 1753. Sensitive Fern.

O. **Struthiopteris**—Hoffm, 1795. Ostrich Fern.
Frequent along streams or low grounds. Jamesville Road, August, 1895. Goodrich wild flower garden, July, 1897.

**WOODSIA—R. Brown, 1811.**

W. **Ilvensis**—R. Brown, 1811. Rusty Woodsia.

W. **Obtusa**—Torr, 1840. Blunt lobed Obtusa.

**DENSTEADTIA—Und.**

(*Dicksonia—Lin., 1753.*)

FILIX—Adams. Und.

(Cystopteris—Bernh, 1806.)

F. BULBIFERA—Und., 1900. (Torr, Man.) (Cystopteris Bulbifera—Bernh, 1806.) Bulblet Cystopteris.


F. FRAGILAS—Und., 1900. (Cystopteris Fragilis—Bernh.) Brittle Fern.

Common, with its var dentata found with same environments as F. Bulbifera.

DRYOPTERIS—Adams, 1763.

(Aspidium Swartz, 1800.)

D. NOVEBORACENSIS—A. Gray, 1848. (Aspidium Noveboracensis, Swz.)


D. CRISTATA—A. Gray, 1848. (Aspidium Cristatum, Swz.)

Crested Shield-fern, sori midway between margin and midrib. Rare. Swamps. Tamarac swamp, Aug., 1899.


D. MARGINALIS—A. Gray, 1848. (Aspidium marginale, Swz.).

D. **SPINULOSA**—Kuntze. (*Aspidium spinulosum*—Swz.)

D. **SPINULOSA INTERMEDIA**—Underw., 1891. (*Aspidium intermedium*—Muhl).

D. **SPINULOSA DILITATA**—Uudw., 1891. (*Aspidium spinulosum var. dilitatum*—Hook).
Indusia glabrous and naked. Frequent. Underw. gives a dwarf form as var. durnitorum. Kinney woods, 1908.


**POLYSTICHUM**—Roth.

P. **ACROSTICHOIDES**—Schott. (*Aspidium achrostichoides*—Swz.).
Christmas Fern. Sori becomes confluent. Indusia entire, fastened by its centre. Common. Rich woods. A form with cut lobed pinnae is given the varietal name—

**PHEGOPTERIS**—Fee.

P. Phegopteris (*L*) Underw. (*Bull Torr Club, 1893.*)
(*Polypodium Phegopteris*—Lin., 1753.)

P. **HEXAGONOPETRA**—Fee, 1850.
P. DRYOPETRIS—Fee, 1850. Oak Fern.  

WOODWARDIA—J. E. Smith, 1793.

W. VIRGINICA—L. Mant. Virginia Chain Fern.  
In low swampy grounds on Phenix Road. June, July.

W. AEROLATA—Moore. (Woodwardia Angustifolia., S. M.)  
Net-veined Chain Fern.  

PHYLLITIS—Ludwig.


CAMPTOSORUS—Link.

C. RHIZOPHYLLUS—Link. Walking Fern.  
On dry limestone rocks. Sori irregularly scattered. Fronds take root by the tip of their frond coming in contact with the soil, thus producing another plant. Aug., Oct.

ASPLENIUM—Lin.

A. PLATYNEURUM—Oakes. (Asplenium ebeneum—Oit.)  
Ebony Spleenwort.  
Near or on top of exposed lime cliffs. Indusia opening upper side. Adapts itself to cold or hot climates. Not common here. Lafayette Road, Green Lakes, Jamesville Road, Hopper’s Glen. July, Sept.

A. AUGUSTIFOLIUM—Michx, 1803. Narrow-leaved Spleenwort.

A. RUTAMARARIA—Lin., 1753. Wall Rue Spleenwort.
Very rare. In one locality to date, Jamesville limestone secluded cliffs, back of Nottingham farm. Small, with delicate indusia. July, Sept.

A. FILIX FOEMINA—Bernk, 1806. Lady Fern.

A. ACROSTICHOIDES—Swartz, 1800. (Asplenium thelip-teroides—Michx, 1803.) Silver Spleenwort.

ADIANTUM—Lin., 1753.

A. PEDATUM—Lin., 1753. Maiden-hair Fern.

PTERIS—Lin., 1753.

P. AQUILINA—Lin., 1753. Brake, or Bracken.
Common everywhere, except in extremely cold climates. Seen in fern collections from nearly every part of the world. Indusia double and marginal. Tamerac Swamp, Aug., 1901.

CRYPTOGRAMMA.

Rare. Skaneateles Lake and Green Lake, June, 1882.
PELLEA—Link, 1841.

P. ATROPURPUREA—Link, 1841. Purple Stemmed Cliff Brake.

POLYPODIUM—Lin., 1753.


MARSILEACEÆ—R. Br.

MARSILEA.

M. QUADRIFOLIA—Lin., 1753. Marsilea.
Rare. Only locality reported, Hoyt Farm, Green Point, by L. M. Underwood, 1890.

SALVINACEAE—Adams, 1763.

SALVINIA—Adams, 1763. (Marsilea.)

MARSILEA.


EQUISETACEÆ—Michx.

EQUISETUM—Lin. 1753. Horsetail Fam.

E. ARVENSE—Lin., 1753. Com. or Field Horsetail.
Sandy soil, along railroad tracks and in moist soil. Tamerac swamp and creek banks. Common. May.

E. **PRATENSE**—Ehrli, 1784. Thicket Horsetail.  

E. **PALUSTRE**—Lin. Marsh Horsetail.  

E. **FLUVIATILE**—Lin. (*E. Limosum Sp.*) Swamp Horsetail.  


E. **SCIRPOIDES**—Michx, 1803. Sedglike Equisetum.  
Roots of trees near Baldwinsville. Delicate. Sheaths with three teeth. Rare. May, June.

LYCOPODIACE/E—Michx—Club Moss Fam.

**LYCOPODIUM**—Lin.

L. **SELAGO**—Lin., 1753. Fir Club Moss.  
Near Brewerton and Clay. Rare. Sept.

L. **LUCIDULUM**—Michx, 1803. Shining Club Moss.  

L. **OBSCURUM**—Lin. Ground Pine.  

L. **CLAVATUM**—Lin., 1753. Running Pine.  

L. **COMPLANATUM**—Lin. Trailing Christmas Green.  

SELAGINELLACEÆ—Underw. 1881.

SELAGINELLA—Beauv., 1805.

S. **RUPESTRIS** (*Lin*). Spring, 1840. Rock Selaninella.

S. **SELAGANOIDES**—Link. (*S. spinosa*). Low Selaginella.

S. **APUS**—Spring. (*Lycopodium apodum*—*Lin*.) Creeping Selaginella.

**ISOETACEÆ**—Underwood, 1881

Quillwort Fam.

**ISOETES.** (*Lin., 1753—Quillwort.*)

I. **ENGLEMANNI**—A. Braum, 1846. Engleman's Quillwort.
Largest of the species. Abundant in Tully, 1890.

I. **ENGLEMANNI VAR VALIDA**—Englem, 1867. Engleman's Broad Quillwort.
Rare. Broad stemmed Quillwort. Reservation.

I. **MELANOPODA**—J. Gay, 1864. Black-based Quillwort.
Rare. Border of Otisco Lake. Wholly immersed.
MOSSES

ADNATUM—Lin.

(AMBLYSTEGIUM—Hedw.)

A. ADNATUM—Hedw. Baldwinsville.
A. ORTHOCLADON—Beauv. Tamerac Swamp.
A. RADICALE—Beauv. Tamerac.
A. RIPARIUM—Run. South Bay.
A. SERPENS—Lin. South Bay.
A. SERPENS VAR. VARIUM—Beauv. Montfreedy’s Gorge.

ANLACOMNIUM—Schwarz.

A. HETEROSTICHIUM—Bruch. Montfredy’s.
A. PALUSTRE—Lin. Mud Lake.

ANOMODON—Hook.

A. ATTENUATUS—Hueb. Epipactis Woods.
A. VITICULOSUS—Hook. Green Lake.

ATRICHUM—Beauv.

A. ANGUSTATUM—Br. Baldwinsville.
A. UNDULATUM—Beauv. Euclid.

BARBULA—Hedw.

B. CAESPITOSA—Schw. Twin Lakes.
B. MUCRONIFOLIA—Bruch. Jamesville Road.
B. RECURVIFOLIA—Schimp. Jamesville Road.

BARTRAMIA—Hedw.

B. POMIFORMIS—Hedw. Onon. Hill.
BRACHYTHECIUM—Sub. Or. to Hypnum.

B. LACTUM—Brid. Tamerac Swamp.
B. RUTABULUM—Lin. LaFayette.
B. SALEBROSUM—Hoff. Twin Lakes.

BRYUM—Dill.

B. ANOTINUM—Hedw. Jamesville.
B. CAESPITICUM—Lin. Twin Lakes.
B. INTERMEDIUM—Brid. South Bay.

CERATODON—Brid.

C. PURPURENS—Brid. South Bay.

CLIMACEUM—Weh. & M.

C. AMERICANUM—Brid. Clay.

CYLINDROTHECIUM—Br. & Sch.

C. SEDUCTRIX—Sull. Green Lake.

DICRANUM—Hedw.

D. FLAGELLARE—Hedw. Geddes Gorge.
D. MONTANUM—Hedw. Manlius.
D. SCOPARIUM VAR. PALUDOSUM—Lin. Mud Lake.
D. UNDULATUM—Voit. LaFayette Road.

DICHELYMA—Myr.

D. CAPILLACEUM—Bru. &Sch. Near Seneca River.

DICRANELLA—Schi.

D. VARIA—Schi. Peppermill Gorge.

EURHYNCHIUM—Schi.

E. BOSCH—Schwaegr. Onon. Hill.
E. STRIGOSUM—Hoffm. Oran.
FISSIDENS—Hedw.

F. GRANDIFRONS—Brid. Edwards Falls.
F. OSMUNDOIDES—Hedw. Manlius.
F. SUBBASILARIS—Hedw. Hoyt Woods.

GRIMMIA—Ehrh.

G. APOCARPA—Hedw. Geddes Gorge.

HEDWIGIA—Ehrh.

H. CILIATA—Ehrh. Oneon. Hill.

HYLOCOMIUM—Schi.


HYPNUM—Dill.

H. ADNUCUM—Hedw. Twin Lakes.
H. ADUNCAN—Hedw. Euclid.
H. BOSCHI—Schim. Marcellus.
H. CORDIFOLIUM—Hedw. Jamesville.
H. ELEGANS—Hook. Phoenix.
H. FILICINUM—Lin. LaFayette Woods.
H. HISPIDULUM—Brid. Montfredy.
H. IMPONENS—Hedw. Baldwinsville.
H. LAETUM—Brid. Oneon. Hill.
H. MOLLUSCUM—Hedw. Otisco.
H. ORTHOCLADON—Beauv. Tamerac.
H. RUTABULUM—Lin. Otisco.
H. SALEBROSUM—Hoffm. Marcellus.
H. SERRULATUM—Hedw. Otisco.
H. SPLENDENS—Hedw. Otisco.
H. SULLIVANTII—Spruce. Otisco.
H. TEMARISCUM—Hedw. Elmwood.
H. TRIQUETRUM—Lin. Fiddler’s Green.

LEPTOBRIUM—Schimp.

L. PYRIFORME—Schimp. Green Lake.

LEPTODON—Mohr.

L. TRICHOMITRION—Mohr. Loomis Hill.

MNIUM—Lin.

M. AFFINE—Bland. Oran.
M. CUSPIDATUM—Hedw. Tully.
M. ORTHORRHYNCCUM—Bruch. Twin Lakes.
M. SERRATUM—Laich. LaFayette.

NECKERA—Hedw.

N. PENNATA—Hedw. Skaneateles.

ORTHOTRICHUM—Hedw.

O. OBTUSIFOLIUM—Schrad. Euclid.
O. OHIOENSE—Sulv. Baldwinsville.
O. HUTCHINSIAE—Smith. Orville.

PHILONOTIS—Brid.

P. MARCHICA—Brid. Montfredy’s.

PLAGIOTHECIUM—Schimp.

P. DENTICULATUM—Dill. Geddes.
P. DENTICULATUM VAR. LACTUM—Dill. Geddes.
POLYTRICHUM.

P. COMMUNE—Lin. Centerville.
P. JUNIPERINUM—Willd. Euclid.

PTYCHOMITRIUM—Br. & Sc.

P. INCURVATUM—Lin. Green Lake.

POTTIA—Ehrh.


RHYNCOSTEGIUM—Schimp.

R. MICANS VAR. ALBULUM—Lind. Twin Lakes.
R. RECURVANS—Schuz. Peppermill Gorge.

SPHAGNUM—Dill.

S. ACUTIFOLIUM—Ehrh. S. Hunt’s Swamp.
S. CUSPIDATUM—Ehrh. Dewitt.
S. CYMBIFOLIUM—Ehrh. Cicero Swamp.

TRICHOSTOMUM—Smith.

T. PALLIDUM—Hampe. Centerville.

TETRAPHIS—Hedw.

T. PELLUCIDA—Hedw. Euclid.

ULOTA—Mohr.

U. CRISPULA—Brid. Euclid.

WEISIA—Hedw.

W. VIRIDULA—Brid. Geddes.

HEPATICE/E—Scale Mosses.

ANEURA—Lindb.

A. LATIFRONS—Lindb. Jamesville Road.

ASTERELLA.

A. HEMISPHERICA—Undw. Jamesville Road.
BAZZANIA—S. F. Gray.


BLASIA—Micheli.

B. PUSILA—Lin. Hopper’s Glen.

BLEPHAROSTEMA.

B. TRICHOPTYLLUM—Dumort. Rare. Onon. Valley.

CEPHALOZIA—Dumort.

C. BICUSPIDATA—Dumort. Jamesville Road.
C. CURVIFOLIA—Dumort. Marcellus.
C. DIVARICATA—Dumort. Marcellus Falls.
C. MULTIFIDA—Spruce. Valley.

CHILOSCYPHUS—Corda.


DIPLOPHYLLUM—Dumort.

D. ALBICANS VAR. TAXIFOLIUM—Nees. Tamerac Swamp.

FRULLANIA—Raddi.

F. ASAGRAYANA—Mont. Hopper’s Glen.
F. EBRACENSIS—Lehm. Hopper’s Glen.
F. SQUARROSA—Nees. Edward’s Falls.
F. VIRGINIANA—Lehm. Edward’s Falls.

JUNGERMANIA.

J. BARBATA—Schreb. Primrose Hill.
J. EXCISA—Schrad. East Syracuse.
J. INCISA—Schrad. Valley.
J. PUMILA—With. Peppermill Gorge.
J. SCHRADERI—Martin. Salt Marsh.
J. VENTRICOSA—Dicks. Clay.
KANTIA—S. F. Gray.


LEJEUNEA—Libert.

L. SERPYLLIFOLIA—Libert. East Syracuse.

LEPIDOZIA—Dumort.

L. EPARTANS—Dumort. Jamesville Road.
L. SETACEA—Mitt. Marcellus.

LIOCHLÆNA.

L. LANCEOLATA—Nees. Dewitt.

LOPHOCOLEA—Dumort.

L. BIDENTATA—Dumort. Dewitt.
L. HETEROPHYLLA—Nees. Davis Woods.
L. MINOR—Nees. Riegal Woods.

LUNULARIA—Mich.


MARSUPELLA—Dumort.

M. EMARGINATA—Dumort. Howlett Gorge.

METZGERIA—Roddi.

M. CONJUGATA—Lindb. Cazenovia Road, May, 1889. Undw.

MYLIA—S. F. Gray.

M. TAYLORI—S. F. Gray. Jamesville Road.

NARDIA—S. F. Gray.

N. CRENULATA—Lindb. Old field, Onon. Hill.

ODONTOSCHISMA—Dumort.

O. SPHAGNI—Dumort. South Onondaga.

PALLAVICINIA—S. F. Gray.


PELLIA.

P. ENDIVIAEFOLIA—Dumort. Harbor ditch.
PLAGIOCHILA—Dumort.
P. PORELLOIDES—Lind. Cicero Swamp.

PORELLA—Dill.

P. PLATAPHYLLA—Lindb. On old chestnut tree.

PTILLIDIIUM—Nees.
P. CILIARE—Nees. Old stump. Tamerac Swamp.

RADULA—Dumont.
R. SPICATA—Und. East Syracuse.

SCAPANIA—Dumort.
S. NEMEROSA—Dumort. Tamerac.
S. UNDULATA—Dumort. Onondaga Hill.

TRICHOCELEA—Dumort.
T. TOMENTELLA—Dumont. Tamerac Swamp.

MARCHANTIACE/E—Marchant—Liverworts.

CONOCEPHALUS—Neck.
C. CONICUS—Dumort. Howlett Gorge.

FIMBRIARIA—Nees.

G. RUPESTRIS—Lindenb. Marcellus rocks.

GRIMALDIA—Raddi.

LUNULARIA—Micheli.

MARCHANTIA—March.
M. POLYMORPHIA—Nees. Common everywhere.

PREISSIA—Nees.
P. COMMUTATA—Nees. Jamesville Road.

RICCIA.
R. CRYSTALLINA—Lin. Mud Lock.
R. LUTESCENS—Schwein. Ditch north from Salina.
R. FLUITANS—Lin. With lutescens.
R. NATANS—Lin. Open field, Valley road.
SUBKINGDOM. SPERMATOPHYTA

SEED-BEARING PLANTS

PINACEÆ—Lindl, 1836—Pine Fam.

PINUS—Lin., 1753.

Frequent, especially in northern part of county, occasionally forming groves. Fascicles of five leaves. North Syracuse, June, 1903.

P. RESINOSA—Ait, 1789. Canadian or Red Pine.
Rare. Fascicles of two leaves. Scattered throughout the county. Clay, July, 1903.


LARIX—Adams, 1763.

L. LARICINA—Koch, 1873. (Larix Americana—Michx, 1803.) Tamarack, or American Larch.

PICEA—Link, 1830.


P. MARIANA—B. S. P. (Picea Nigra, Link, 1841.)
Frequent. Swamps, throughout the county. Clay, May, 1899.

P. RUBRA—Link, 1841. (Pinus Rubra.) Red Spruce.
Frequent. With and similar to P. Mariana. Clay, May, 1899.
TSUGA—Carr, 1855.

T. Canadensis—Carr, vree. (Trait—Conif., 1890.) (Pinu Canadensis.) Hemlock.

ABIES—Juss, 1789.

Bark smooth, with blisters of balsom. One locality only reported. North Cicero Swamp, June, 1902.

THUJA—Tourn, 1753.

Very small, closely imbricated, oppressed, persistent leaves, forming a flat spray. Decorative. Frequent. May, June.

JUNIPERUS—Lin, 1753.


J. Virginiana—Lin. Red Cedar.

Shrubby Red Cedar.

TAXACEÆ.

TAXUS—Lin.


T. Canadensis—Wild.
Common. Low, straggling bush. Fertile flowers, becoming a bright red drupe. April, May.
MONOCOTAELEDONES.

TYPHACEÆ.

TYPHA—Lin.

Common in all marshes. June, September.


SPARGANIACEÆ—Agardli.

SPARGANIUM.

Staminate heads numerous. Pistillate, two-four on branch. In marshes bordering ponds, etc. May, August.


S. AUGUSTIFOLIUM—Michx. Tall Bur-reed.

S. MINIMUM—Fries, 1846. Small Bur-reed.

NAIDACEÆ—Lindl, 1836—Pondweed Fam.

POTAMOGETON—Lin, 1753.


Frequent. Similar though much smaller than P. Natans in every part. Ponds and ditches. Valley, August, 98.

P. AMPLIFOLIUS—Tuckerm, 1848. Large-leaved Pondweed.

P. NUTTALII—Cham, 1827. (P. Claytonia—Tuck, 1843.) Nuttall's Pondweed.

P. ALPINUS—Balbis, 1804. (P. rufesceno—Schrad, 1815.) Northern Pondweed.
Frequent. Ponds etc. Hoyt Pond, 1896.

P. LONCHITES—Tuck, 1848. Long-leaved Pondweed.
Occasional. Floating leaves, pointed both ends; submerged leaves, long, wavy and pellucid. Slow streams etc. Clay, 1896.

P. HETEROPHYLLUS—Schreb, 1771. Various-leaved Pondweed.

Frequent. Ponds etc. Leaves all submerged, shining above. Tully Lake, July, 1895.

Leaves all submerged. Fruit keel shaped. Seneca River, summer, 1895.
Leaves ovate, submerged and clasping. Frequent.
Ponds and slow streams. Oneida Lake, Aug., 1895.

Fruit triple keeled. Lateral keel with projecting tooth.
Frequent. Tully Lakes, 1895.

P. ZOSTERAEFOLIUS—Schum, 1801. Eel-grass Pond-weed.
Leaves linear. Three large and numerous small nerves.
Common. Ponds and slow streams. Three River Point,
July, 1896.

P. HILLII—Morong, 1881. Hill’s Pondweed.
Leaves narrow, blunt, three-nerved. Occasional. Ponds
etc. White Lake, summer, 1899.

P. OBTUSIFOLIUS—Mert and Koch, 1823. Blunt-leaved
Pondweed.
Leaves mucronate and variously nerved. Frequent.
Stagnant waters. Mud Lock, September, 1896.

P. FOLIOSUS—Raf, 1808. (P. Panciflorus—Pursh, 1814.)
Leafy Pondweed.
Stem branched. Leaves linear, short. Low, stagnant
water north from Salina. Aug., 1900.

Leaves submerged, linear, with two glands at base.
Frequent. Low, stagnant waters north from Salina.
Aug., 1900.


P. MUCRONATES—Schrad. Mucronate Pondweed.
Resembles P. pusillus. Stem less branching and flat
and 5- to 7-nerved leaves; broader. Not mentioned by
Britton. Spec. in S. B. C. Herb.

P. PECTINATUS—Lin., 1753. Fennel-leaved Pondweed.
Stem and leaves filiform, dichotomously branching.
Common. Salt Marsh.

Leaves small, linear, crowded. In sluggish water near


RUPPIA—Lin, 1753.


ZANNICHELLIA—Lin, 1753.


NAIAS—Lin, 1753.

N. MARINA—Lin., 1753. (N. Major, All, 1785.) Large Naias. Stem stout; Armed with prickles. Leaves coarsely toothed; whorled. Frequent. Tully Lake, 1895.


SCHEUCHZERIAE—Agardth., 1858—Arrow-grass Fam.

TRIGLOCHIN—Lin, 1753.

Leaves slender. Carpels club shape at maturity; split from base upward, suspending from the three-winged axis. Rare. Marsh near Onondaga Lake, Aug., 1885.

Leaves fleshy; narrow. Fruit thick, tapering to six recurved points at summit. Occasional. Salt Marshes, Onondaga Lake, June.

ALISMAE—D. C., 1805—Water Plantain Fam.

ALISMA—Lin, 1753.

A. PLANTAGO AQUATICA—Lin. Water Plantain.

Common. In shallow water and mud; Sometimes submerged. Creek. Onondaga Valley, Summer, 1900.

SAGITTARIA—Lin, 1753.


S. ARIFOLIA—Nutt, 1894. (S. Sagittaeolia var Minor—Pursh.) Arum-leaved Arrowhead.
Frequent. Mud Lock, July, 1898.

Leaves broadly elliptical or with spreading appendages. Frequent. Muddy shores. July.

S. GRAMINEA—Michx, 1803. Grass-leaved Sagittaria.
Leaves variable. Flowers few, mostly staminate. Frequent. Long Branch, July, 1898.
VALIANERIACEÆ—Dumort, 1829—Tape Grass Fam.

PHILOTRIA—Raf., 1818.


VALLISNERIA—Lin, 1753.

V. SPIRALIS—Lin., 1753. Tape Grass or Eel Grass. Like Philotria in manner of fertilization. Then the thread-like scape coils drawing fertilized fruit under water to mature. Common. Lakes and ponds. August.

LIMNOBIUM—L. C. Richards, 1811.


GRAMINEÆ—Jues, 1789—Grass Fam.

ANDROPOGAN—Lin, 1753.


SYNTHERISMA—Walt., 1788.


Common. Woods, Onondaga Hill.

**PANICUM—Lin, 1753.**


P. *Dichotomum*—Lin., 1753. Forked Panicum.
Plentiful and very variable. In dry woods. Jamesville.

P. *Pubescens*—Lam, 1797. (*P. lanuginosum—Ell, 1817.*) Hairy Panicum.
Common. Old gardens. Confused with P. Capillare.

P. *Depauperatum*—Muhl, 1817. Starved Panicum.
Frequent in dry upland soil. Extends over eastern and southern states. Onondaga Hill, summer, 1899.

P. *Virgatum*—Lin., 1753. Tall Smooth Panicum.

P. *Proliferum*—Lam, 1797. Spreading Panicum.
Frequent in sandy soil. Centerville, June, 1895.

P. *Capillare*—Lin, 1753. Witch Grass.
IXOPHORUS—Schlecht, 1861.


Abundant in old gardens. Onondaga Hill, July, 1898.

Widely distributed in cultivated grounds. Onondaga Hill, July, 1898.


ZIZANIA—Lin, 1753.

Common in shallow water and borders of streams. Valley, 1898.

HOMALOCENCHRUS—Mieg, 1768.

Swampy grounds near streams or ponds. Long Branch near Seneca River. Aug., 1899.

H. ORYZOIDES—Poll., 1776. *(Leersia Oryzoides—Swartz, 1792.*) Rice Cut-grass.

PHALARIS—Lin., 1753.

P. ARUNDINACEA—Lin., 1753. Reed Canary Grass.
P. **Canariensis**—Lin., 1753. Canary Grass.
Rare in wet places. Bear road, Centerville and Elmwood. Probably escaped.

**ANTHOXANTHUM**—Lin., 1753.

A. **odoratum**—Lin., 1753. Sweet Vernal Grass.

**ORYZOPSIS**—Michx, 1803.

O. **Juncea**—B. S. P. (O. **Conadensis**—Torr.) Slender Mountain Rice.
In rocky places, Jamesville Road hillside. June.

O. **asperifolia**—Michx, 1803. White Grained Mountain Rice.

O. **melanocarpa**—Muhl, 1817. Black Fruited Mountain Rice.

**MILIAM**—Lin.

**MILIAM EFFUSUM**—Lin., 1753. Tall Millet Grass.

**MUHLENBERGIA**—Shreber, 1899.

**MUHLENBERGIA SOBOLIFERA**—Trin, 1824. Rock Muhlenbergia.

M. **MEXICANA**—Trim, 1824. Meadow Muhlenbergia.

M. **RACEMOSA**—B. S. P. (Prel. Cat. N. Y., 1888.) (M. **glomerata**—Trin, 1824.) Marsh Muhlenbergia.

M. **SYLVAICA**—Torr and Gray, 1824. Wood Muhlenbergia.


**BRACHYELYTRUM**—Beauv., 1812.


**PHLEUM**—Lin., 1753.


**ARISTIDA**—Lin., 1753.


**ALOPECURUS**—Lin., 1753.


**SPOROBOLUS**—R. Br., 1810.

CINNA—Lin., 1753.

C. ARUNDINACEAE—Lin., 1753. Wood Reed-grass. 
Frequent. Moist woods and swamps. Onondaga Hill, Sept., 1893.

C. LATIFOLIA—Griseb, 1853. (*C. Pendula—Trin.*) Slender Wood Reed-grass. 

AGROSTIS—Lin., 1753.


A. ALBA VAR VULGARIS—Thurber in A. Gray, 1890. Herd Grass, or Slim Redtop. 
Fields and roadsides, same as Alba.


A. PERENNANS—Tuckerm, 1843. Thin-grass. 
Aug., 1890.

CALAMAGROSTIS—Adams, 1763.

C. CANADENSIS—Beauv, 1812. Blue-joint Grass. 
In swampy places. Color similar to Red Top. Common in July.

C. NEGLECTA—Gaertn, 1799. Narrow Reed Grass. 
In high places. Rare. Pompey Hill, Aug., 1883.

AMMOPHILA—Host, 1809.

A. ARENARIA—Link. Sea Sand Reed. 
Shores of lakes. Sandy Beach, Onondaga Lake, Aug., 1883.

APERA—Adams, 1763.

A. SPICA VENITI—Beauv, 1812. Silky Bent Grass. 
In waste grounds. Rare. In dump ground, city, July. 
1885.
DESCHAMPSIA—Beauv.


AVENA—Lin., 1753.


ARRHENATHERUM—Beauv., 1812.


DANTHONIA—D. C., 1805.


SPARTINA—Schreb, 1789.


**ELUSINE**—Gaertn, 1788.


**PHRAGMITES**—Trin., 1820.


**SIEGLINGIA**—Bernh, 1800.


**DIPLACHNE**—Beauv, 1812.


**ERAGROSTIS**—Nees, 1820.


E. *E. hypnoides*—B. S. P. *(1888, Prel. Cat.)* *(E. reptans—Nees, 1829.)* Creeping Eragrostis. Rare. Pleasant Beach, July, 1897.


**EATONIA**—Raf., 1819.

KOELERIA.

Onondaga Hill, 1890. S. Cole.

DISTICHILIS.

Salt Marsh, Geddes, 1900.

DACTYLIS—Lin., 1753.

D. glomerata—Lin. Orchard Grass.

CYNOSURUS—Lin., 1753.


POA—Lin., 1753.

P. annua—Lin. Annual Meadow Grass.
Widely distributed throughout U. S. Common, May, August.


P. laxa—Haenke, 1791. Wavy Meadow Grass.

Indiginous, but greatly cultivated for lawns and pastures. Twin Lakes, June, 1881.

P. trivialis—Lin., 1753. Roughish Meadow Grass.

P. nemoralis—Lin., 1753. (P. cesia var strietor—A. Gray, 1867.) Wood Meadow Grass.
PLANTS OF ONONDAGA COUNTY

P. **Flava**—Lin., 1753. (*P. Scrotina*—*Ehrh*, 1791.) False Red Top.

P. **Debilis**—Torr, 1843. Weak Spear Grass.
Frequent. Rocky woods. Early spring. Jamesville Road, May, 1900.

P. **Sylvestris**—A. Gray, 1848. Sylvan Spear Grass.
Rare. Rocky woods. Scolopendrium Green Lake, 1892.

P. **Alsodes**—A. Gray, 1856. Grove Meadow Grass.
Not common. Woods. River banks and thickets. Valley Road, 1889.

**GRAPHEPHORUM.**

G. **Melicoideum**—Beauv., 1812. Graphephorum.
Rare. Wet soil. Otisco. (*S. Cole.*) 1886.

**PANICULARIA**—Fabr., 1763.

P. **Canadensis**—Kuntze, 1841. (*Glyceria Canadensis—Trin.*) Rattlesnake Grass.


Common. July and August.

P. **Americana**—Mac M., 1824. Reed Meadow Grass.

P. **Aquatifica**—Smith. (*Glyceria Aquatica—Trin.*) Smith’s Manna Grass.
Mouth of Harbor Brook, Aug., 1898.


P. **Fluitans**—Kuntze. (*Glyceria Fluitans—R. Br., 1810.*) Floating Manna Grass.
Shallow water. Bridgeport Road, Aug., 1882.
PUCCINELLIA—Parl, 1848.


FESTUCA—Lin., 1753.


BROMUS—Lin., 1753.


B. **SECALINUS**—Lin., 1753. Cheat Chess. Frequent in old grain fields. West Farm, South Onon., July, 1897.


**LOLIUM**—Lin., 1753.


**AGROPYRON**—Gaertn, 1770.


A. **REPENS**—Beauv. Couch Grass. Quitch Grass. Very variable. A coarse and troublesome grass on account of its persistency in spreading by rooting at every joint of creeping rhizome. All summer. Goodrich garden.


**ELYMUS**—Lin., 1753.


**HYSTRIX**—Moench, 1794.

CYPERACEÆ—J. St. Hill, 1805—Sedge Fam.

CYPERUS—Lin., 1753.


CYPERAS—Lin., 1753.

C. **FILICULMNIS**—Vahl, 1806. Slender Cyperus. 

C. **HOUGHTONI**—Torr, 1836. Houghton’s Cyperus. 
Dry, sandy soil. Frequent. Mr. Calthrop’s woods. July, 1881.

**DULICHIUM.**

D. **ARUNDINCEUM**—Brit. *(D. Spathaceum—Pers. 1805).*
Dulichium. 

**ELEOCHARIS**—R. Br., 1910.


E. **PALUSTRIS**—R. & S., 1817. *(Scirpus palustris).* Creeping Spike-rush. 

Spike-rush. 

Common. Distributed throughout U. S. in wet places. Bridgeport Road, 1882.

E. **TENUIS**—Schultes, 1824. *(Scirpus tenuis).* Slender Spike-rush. 

E. **INTERMEDIA**—Schultes, 1824. *(Scirpus intermedia).*

E. **TENUIS**—Schultes, 1824. *(Scirpus intermedia—Muhl, 1817).* Matted Spike-rush. 
Swamps and moist, hilly places. Frequent. Tamerac. 1882.

PSilocarya—Torr, 1836.


Stenophyllum—Raf., 1825.


Fimbriystylis—Vahl.

F. Castanea—Vahl, 1806. (Scirpus castanea—Michx.)
Marsh Fimbriystylis.

Scirpus—Lin., 1753.

S. Manus—Spring, 1815. (Elyocarpus pigmea—Torr.)
Dwarf Club Rush.

S. Pauciflorus—Lightf., 1777. (Eliocharis pauciflorus—Link, 1827.) Few-flowered Club Rush.

In dry woods, or moist places. Jamesville woods. June, 1883.


S. Smithii—A. Gray, 1867. Smith’s Club Rush.

S. **TORREYI**—Olney, 1847. Torrey's Bulrush.

S. **CYLINDRICUS**—Brit, 1892. (*S. Maritimus*—*Lin.)*
Cranby's Bulrush.
Brackish or salt lands. Liverpool, Shore Onon. Lake.

S. **LACUSTRIS**—Lin., 1753. (*S. Validus*—Vahl, 1806.)*
Great Bulrush.
Distributed throughout N. A. in still fresh water. Tully. July.

S. **ROBUSTRIS**—Pursh, 1814. Salt Marsh Bulrush.

S. **FLUVIATILIS**—A. Gray, 1848. (*Scirpus maritimus var fluviatilis*—Torr.) River Bulrush.
Shallow water in rivers and lakes. Seneca River, Lake Bonapate.

S. **SYLVATICUS**—Lin., 1753. Wood Bulrush.

S. **ATROVIRENS**—Muhl, 1817. Dark Green Bulrush.

S. **POLYPHYLLUS**—Vahl, 1806. Leafy Bulrush.

S. **CYPERINUS**—Kunth, 1837. (*S. Cryophorum var cyperinus*—A. Gray). Wool Grass.

**ERIOPHORUM**—Lin.

E. **ALPINUM**—Lin., 1753. Alpine Cotton Grass.


**RYNCHOSPORA**—Vahl, 1806.

R. **CORNICULATA**—A. Gray, 1815. *(R. C. macrostachys—Britton, 1892.)* Horned Rush. Rare.


**CAREX**—Lin., 1753.


C. **LUPILINA**—Muhl, 1806. Hop Sedge. Rare. Clay, 1890.


C. **Scabrata**—Schwein, 1824. Rough Sedge. Occasional. O. Hutchinson Farm, Onon. Hill, June, 1891.


C. **Stricta Augustata**—Boot, 1890. Found with stricta. Differs in color, form of nodes, etc. Not as plentiful as stricta.


C. **PRASINA**—Wahl, 1803. Drooping Sedge. Frequent in meadows and moist woods. One of our most graceful sedges. Tully. 1890.


C. **MAGELLANICA**—Lam., 1789. (*Carex Irriqua*—Smith, 1826.) Magellan Sedge. Infrequent. Pompey Hill. 1889.


C. **GYNANDRA**—Schwein, 1824. Nodding Sedge. Strongly resembles crinita, smaller in all of its parts with rough awlshaped scales. Swamp near Otisco Lake.


C. **CASTANEA**—Wahl, 1803. (*Carex Flexilis*—Rudge, 1804.) Chestnut Sedge. Found in vicinity of chestnut trees, more than elsewhere. North Syracuse, 1892.

C. **DEBLIS VAR PUBLERA**—A. Gray, 1829. Flowering Sedge. Rare. Otisco hills, 1889, S. Cole.

C. **ARCTATA**—Boot, 1840. Drooping Wood Sedge. Spikes drooping on the stalks. Frequent in rich woods. LaFayette woods, 1889.


C. **GRISCA**—Wahl, 1803. Gray Sedge.
Common in moist woods. Hopper’s Glen, July, 1890.

C. **FLACCOSPERMA**—Dewey, 1846. Thin Fruited Sedge.
Rare, and although verified by best authority, yet?
Onon. Valley, July, 1891.

C. **GLAUCODEA**—Tuckerm, 1868. (*Carex Grisea var Mutica*—A. Gray, 1848.) (*Not C. Mutica—R. Br., 1823.*) Glaucescent Sedge.
Meadow near Liverpool, July, 1892.

C. **GRANULARIS**—Muhl, 1805. Meadow Sedge.
Common. Wet grassy places and along streams.
LaFayette woods, 1891.

C. **FLAVA**—Lin., 1753. Yellow Sedge.
Common and widely distributed. Cazenovia, Aug., 1885.

C. **VIRIDULA**—Michx, 1803. (*Carex Oederi—Ehrh.*) Green Sedge.
Baily states is a waif from Europe. Gray’s Manual gives Oederi a broad distribution on wet rocks. On Jamesville Road, 1890.

C. **PALLESCENS**—Lin., 1753. Pale Sedge.
Rare. In clay soil on roadside to Green Point, 1889.
Varying bracts, some with tranverse waves found with the normal.

C. **CONOIDEA**—Schk., 1806. Field Sedge.
In meadows and wet places. Not rare. Onon. Hill, June, 1885.

C. **OLIGOCARPA**—Schk, 1806. Few-fruited Sedge.
Frequent. In woods. Onon. Hill, June, 1885. Also along banks of Seneca River, July, 1885.

C. **HITCHCOCKIANA**—Dewey, 1826. Hitchcock’s Sedge.
Frequent. Adapts itself to any kind of soil. Otisco, June, 1890.

C. **POLYMORPHA**—Muhl, 1817. Variable Sedge.
Varies greatly. Mixes with different species, rendering identification of species difficult. S. Cole, Otisco.

C. **TETANICA**—Schk., 1806. (*C. Woodi — Dewey, 1842.*) Wood’s Sedge.
Frequent. Meadows and borders of ponds. Pond near Apulia station.


C. **CONJUNCTA**—Boot, 1862. Soft Fox Sedge.
Rare. Moist places. Bank of Onon. Creek, June, 1899.
Only locality reported here.

C. **NORVEGICA**—Willd, 1801. Norway Sedge.
Rare. Salt Marsh, near Onon. Lake, Aug., 1899.

C. **STIPATA**—Muhl, 1805. Awl-fruit Sedge.
Abundant in swamps. Pleasant Beach, June, 1890.

C. **CRUS CORVI**—Shuttlw, 1844. Raven’s-foot Sedge.
Rare. Specimens on hand found in swamp northwest from Camillus, about 1888.

C. **DECOMPOSITA**—Muhl, 1817. Large Panicled Sedge.
Infrequent. In swamps. Ind. Reservation, 1889.

C. **TERETIUSCULA**—Gooden, 1794. Lesser Panicled Sedge.

Frequent in meadows. Skaneateles, July, 1889.

C. **VULPINOIDES**—Michx, 1803. Fox Sedge.

C. **SARTWELLI**—Dewey, 1842. Sartwell’s Sedge.
Frequent in bogs. Camillus, Aug., 1890.

C. **TENELLA**—Schk, 1801. Soft-leaved Sedge.

C. **ROSEA**—Schk, 1806. Stellate Sedge.
Frequent in rich woods. Wadsworth Farm, Onon. Hill, June, 1889.

C. **ROSEA VAR. RADIATA**—Dewey, 1842. Radiate Sedge.
Frequent in dry woods. Forms a singular radiating tuft and bottle-shaped fruit. D. Cossett Farm, Onon. Hill, 1893.

C. **RETROFLEXA**—Muhl, 1805. *(C. Rosea var. Retroflexa—Torr, 1836.)* Reflexed Sedge.
Perigynia reflexed at maturity. Deciduous scales, brown and sharp pointed. Infrequent. D. Cossett Farm, June, 1893.


C. **ATLANTICA**—Bailey, 1893. Eastern Sedge. Rare. In swampy places. Swamp, Valley Road, 1898.


C. **DEWEYANA**—Schwein, 1824. Dewey’s Sedge. Frequent. In dry fields and hillsides. Mr. Calthrop’s Grove, July, 1890.


C. **SCOPARIA VAR. MINOR** — Boot, 1862. Small Pointed Broom Sedge.

Similar to, though much smaller than Scopario and its habitat is rocky hillsides and dry sterile grounds. Have not been able to find it with Scoparia in wet places. Plentiful. Jamesville Road, July, 1890.


Common in low grounds and fields. Near East Syracuse, June, 1895.

C. **FOENEA**—Willd, 1809. Hay Sedge.

Not common. Confined to rocky places. Jamesville Road, 1893.

C. **FOENEA VAR. PERPLEXA** — Bailey, 1889. Varied Hay Sedge.

Found with C. Foenea. Varies in several respects and worthy the varietal name. Jamesville Road, July, 1893.

C. **STRAMINEA**—Willd, 1801. Straw Sedge.

Common in dry fields. Grays's report: "Immensely Variable."

C. **MIRABILIS**—Dewey, 1836. (*Carex Straminea Mirabilis—Tuckerm, 1843.*) Varied Straw Sedge.


C. **TENERA**—Dewey, 1824. Marsh Straw Sedge.

Common or plentiful in marsh north of 1st Ward near watering trough. Cicero Plank Road, July, 1908.


Frequent. Roadside north from Salina, July, 1908.


ARACEÆ—Neck, 1770—Arum Fam.

ARISAEMA—Mort, 1831.


PELTANDRA—Raf, 1819.


CALLA—Lin., 1753.


SPATHYEMA—Raf, 1808.


ORONTIUM—Lin., 1753.


ACORUS—Lin., 1753.

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LEMNACEÆ—Dumart, 1827—Duckweed Family.

SPIRODELA—Lin., 1753.

S. POLYRHIZA—Schleid, 1839. (Lemna Polyrhiza — Lin. 1753.) Greater Duckweed.
Common in ponds. Seldom found in flower.

LEMNA—Lin., 1753.

L. TRISULCA—Lin., 1753. Ivy Leaved Duckweed; Star Duckweed.
Common. Pools and stagnant waters. Pond on Dr. Hoyt's Farm, July, 1885.

Common in stagnant waters. North of Salina, 1885.

WOLFFIA—Horkel, 1839.


W. BRAZILIENSIS—Nedd, 1849. Brazil Wolffia.

XYRIDACEÆ—Lindl, 1836—Yellow-eyed Grass Family.

XYRIS—Lin., 1753.

X. FLEXUOSA—Muhl, 1813. Slender Yellow-eyed Grass.
Frequent in swamps and banks of streams. Ind. Res., 1895.

X. MONTANA—H. Ries, 1892. Northern Yellow-eyed Grass.
Rare. Swamp on Wells Farm, Onon. Hill, Aug., 1900.

ERIOCAULACEÆ—Lindl, 1847—Pipewort Fam.

ERIOCAULUM—Lin., 1753.

E. SEPTANGULARE—Wilh, 1776. Seven-angled Pipewort.
PONTEDERIACEAE—Dumont, 1829—Pickerel Weed Fam.

PONTEDERIA.


HETERANTHERA—Ruiz and Pov, 1794.


JUNCACEÆ—Vent, 1799—Rush Fam.

JUNCUS—Lin., 1753.


J. **Dichotomus**—Ell, 1817. Forked Rush.
Plentiful near shores of Onon. Creek and dry sandy fields. South Onon., 1895.

Very slender with scattered flowers. Plentiful. Adapts itself to wet or dry soils, sand or clay. D. yard, 1895.

Frequent in wet sandy soil. Generally near border of lakes or streams. Pleasant Beach, Onon. Lake, 1880.

J. **Richardsonianius**—Schult, 1829. Richardson’s Rush.
(*Juncus Alpinus var. Insignis*—Fries, 1866.)

Common. Low muddy grounds. Mud Lock, 1885.

Frequent. Wet sand soil. Shores of Onon. Lake, 1885.

J. **Scirpoides**—Lam, 1789. (*Juncus Scirpoides var. Macrostemon*—Engelm, 1868.) Scirpus-like Rush.
Rare. Wet sandy soil. Shore Onon. Lake, 1885.

Reported from good authority. Have not personally seen this rush.

Identification not wholly satisfactory, yet description fits best of any found.

J. **Canadensis**—J. Gay, 1825. Canada Rush.
Common everywhere. Late summer. Varies greatly. Tipical form. Bridgeport Road, 1889.

J. **Accuminatus**—Michx, 1803. Sharp-fruited Rush.
JUNCOIDES—Adams, 1763.

*(Luzula—D. C., 1805.)*


MELANTHACEÆ—R. Br., 1810—Bunch-flower Fam.

*(Liliceae—Adams, 1763.)*

TOFIELDIA—Huds, 1778.


CHAMAELIRIUM—Willd, 1808.


ZYGADENUS—Michx, 1803.

Z. ELEGANS—Pursh, 1814. *(Zygadenus Glancus—Nutt 1834.)* Glaucous Zygadenus. In swamp. Have known of one locality only. Tamerac Swamp, east of Syracuse, June.

VERATRUM—Lin., 1753.

UVULARIA—Lin., 1753.

Frequent in all rich woods. May and June. Hopper’s Glen, June, 1900.

U. GRANDIFLORA—J. E. Smith, 1805. Large-flowered Bell-wort.
Frequent in rich woods, same as Perfoliata.

Not as frequent as the two former, but similar habitat. Brewerton, Apr., 1890.

LILIACEÆ—Adams, 1763—Lily Fam.

HEMEROCALLIS—Lin., 1753.

Frequent in meadows and roadsides. Escaped. Fairmount, July, 1900.

ALLIUM—Lin., 1753.

A. TRICOCCUM—Ait, 1789. Wild Leek.
Frequent in rich woods. Leaves appear in early spring and die down before flowers develop in June. Kimber Woods.

Rare. In moist woods. Clay Station, July, 1894.

A. CERNUUM—Roth, 1798. Nodding Wild Onion.
Not common. Varies. Lily’s Grove, location of City reservoir, July, 1880. Also Onon. Hill.


A. CANADENSE—Lin., 1753. Meadow Garlic.
Similarity to Vineale almost complete and habitats the same.
LILIAM—Lin., 1753.

Dry or sandy ridges. Frequent. Smith & Powell Farm, July, 1880.

L. CANADENSE—Lin., 1753. Wild Yellow Lily.
Borders of swamps, etc. Frequent. Onondaga Valley, June, 1891.

L. SUPERBUM. Turk's-cap Lily.
In rich low grounds and meadows. Handsome under cultivation. Color not so bright here as west. Low land near Onon. Valley, 1885.

ERYTHRONIUM—Lin., 1753.

E. AMERICANUM—Ker, 1808. Yellow Adder's-tongue.
Common in all rich woods in early spring. One of the first flowers to greet us. May, 1881.

Very similar to E. Americanum, except that the flowers are white and according to Brittain blue or purple. Found once only, the white in Eastwood, 1895; but have not known of blue or purple.

QUAMASIA—Raf, 1818.

(Camassia—Lindl, 1832.)

Q. HYACINTHINA—Raf, 1836. Wild Hyacinth.
Very rare. Banks of creeks etc. Onon. Creek, June, 1900.

ORNITHOGALUM—Lin., 1753.


MUSCARI—Mill, 1759.

CONVALLARIAE—Link, 1829—Lily of the Valley Fam.

ASPARAGUS—Lin., 1753.


CLINTONIA—Raf, 1819.

C. BOREALIS—Raf, 1832. Yellow Clintonia.
Not frequent. Tamerac Swamp, 1890. Locality destroyed.

VAGNERIA—Adams, 1763.

(Smilacena—Desf, 1807.)

V. RACEMOSA—Morong, (Torr Club), 1894. Wild Spikenard. (Smilacena Racemosa — Desf, 1807). (False Solomon’s Seal.
Frequent in moist woods. Jamesville Woods, June, 1883.

V. STELLATA — Morong. (Smilacena Stellata — Desf, 1807.) Star Flowered Solomon’s Seal.
Frequent. Habitat same as V. Racemosa.

Abundant in rich woods and openings. Tamerac, May, 1900.

UNIFOLIUM—Adams, 1763.

(Smilacena—Desf, 1807.)

U. CANADENSE—Greene, Torr Club, 1888. (Smilacena Bifolia—A. Gray.) Two-leaved Solomon’s Seal.
Abundant in moist, rich woods and swampy places. Cicero Swamp, June, 1885.

STREPTOPUS—Michx, 1803.


**POLYGONATUM**—Adams, 1763.


P. *commutatum*—Dietr, 1835. (*P. Giganteum*). Smooth Solomon’s Seal. Rare. Open fields, banks of streams, etc. Tully, June, 1886.

**MEDEOLA**—Lin., 1753.


**TRILLIUM**—Lin., 1753.


T. *grandiflorum var. variegatum*—Peck, 1895: Variable Wake-robin. Remarkably variable. I have twenty-three different forms in my possession now, most of which I found in Kinney Woods, Jamesville.

T. *erectum*—Lin., 1753. Ill-scented Wake-robin. Frequent with T. Grandiflorum. Flowers a purplish red. Odor unpleasant. Appears before the former. Occasionally pale yellow flowers of this species have been found. In Hubbell Woods, Onon. Valley, and near Pratt’s Falls.

SMILACEÆ—Vent, 1799—Smilax Fam.

(Smilasena.)

SMILAX—Lin., 1753.

S. HERBACEA—Lin., 1753. Carrion Flower.
Woods and banks of streams. Frequent. South Onon. May, 1889.


HAEMODORACEÆ—R. B., 1810—Bloodwort Fam.

GYROTHECA—Salisb, 1812.

In swamps. Found by Samuel Cole, Otisco, July.

AMARYLLIDACEÆ—Lindl, 1836—Amaryllis Fam.

HYPOXIS—Lin., 1759.

H. HIRSUTA—Coville. (Hypoxis Erecta — Lin., 1753).
Star-grass.
Meadows and moist, grassy places. Frequent.

IRIDACEÆ—Lindl, 1836—Iris Fam.

IRIS—Lin, 1753.

I. VERSICOLOR—Lin., 1753. Large Blue Flag.
Abundant in marshes. All parts of Onon. Co. June, 1894.

I. PRISMATICA — Pursh, 1814. (Iris Virginica — Muhl, 1815.) Slender Blue Flag.
In low marshes. Infrequent. Salt Marsh near Geddes, 1885.
I. PSEUDACORUS—Lin., 1753. Yellow Flag.
   Rare. Swamp by Brewerton Plank Road. North from Salina, July, 1889. The only place I have found it.

I. LACUSTRIS—Nutt, 1818. Dwarf Lake Iris.
   Rare. Near Green Point. Low lands, June. Also by S. Cole, Otisco.

SYSYRINCHIUM—Lin., 1753.

   Moist meadows, with the grass. Common everywhere. June, August.

S. ATLANTICUM — Bicknell. (Bull, Torr Club, 1896).
   Eastern Blue-eyed Grass.
   Frequent. Onon. Lake Marsh, June, 1898.

ORCHIDACEÆ—Lindl, 1836—Orchid Fam.

CYPRIPEDIDUM—Lin, 1753.


   Infrequent. Woods and swamps. Variable. Cicero Swamp, June, 1880. A white variety was found in same locality by L. L. Goodrich, June, 1895. Only one specimen.

C. REGINAE — Walt, 1788. (Cypripedium Spectabile — Salish, 1791.) Showy Ladies' Slipper.
   Rare, though abundant in swamp in Fabius, July, 1895, and occasional in swamps throughout Tully and Apulia.

   Rare. Cicero Swamp and Tamerac, June, 1891. Appears like a variation of C. Parviflorum.

C. HIRSUTUM — Mill, 1768. (Cypripedium Pubescens).
   Large Yellow Ladies' Slipper.
C. **PARVIFLORUM** — Salisb, 1791. Small Yellow Ladies’ Slipper.

Similar to Hirsutum. Range the same, and considered by some to be a variation, but the brighter yellow lip, longer sepals, which with petals are brown and purple, together with especial fragrance of flower, warrant its specific name. Calthrop and Britton’s Woods.

**ORCHIS**—Lindl, 1753.

O. **SPECTARILIS**—Lin., 1753. Showy Orchis.

Rich, moist woods. Occasional. Low. 3 to 8 inches high, with two ovate leaves near the base. Flowers very attractive, purple and lavender, on a spike about 3 inches high. Round Lake, June, 1899.

**HABENARIA**—Willd, 1805.

H. **ORBICULATA**—Torr, 1826. Large Round-leaved Orchid. Rare. In cold, rich woods. Generally under evergreen trees. Two large, very broad orbicular leaves spread over the ground. Baldwinsville, Skaneateles, Pratt’s Falls. June, 1886.


One oblanceolate, long basal leaf; smaller one above; bractlike. Rare. Wooded swamps. Centerville swamp. July, 1890.


H. CILIARIS—R. Br., 1813. Yellow-fringed Orchis.  


Rare. By S. Cole, Otisco and Beaver Lake, Baldwinsville.

H. GRANDIFLORA — Torr, 1826. (*Habenaria fimbriata, 1867.*) Large Purple-fringed Orchis.  

H. PSYCODES — A. Gray, 1840. Smaller Purple-fringed Orchis.  
Rare. Meadows and wet grounds. Near Beech St., City Limits, July, 1890.

H. PERAMOENA—A. Gray, 1840. Fringeless Purple Orchis.  

POGONIA—Juss, 1789.

P. OPHIOGLOSSOIDES—Ker, 1816. Rose Pogonia. Snake-mouth. Has been plentiful in Tamerac swamp. Locality fast being destroyed. Close proximity to city lines; also found sparingly near Baldwinsville. Beaver Lake.
PLANTS OF ONONDAGA COUNTY


P. **VERTICILLATA**—Nutt, 1818. Whorled Pogonia.
Scattered sparingly in different swamps near Otisco—Cicero Swamp, Tamerac; but more plentiful near Beaver Lake than elsewhere. June.

**ARETHUSA**—Lin., 1753.

A. **BULBOSA**—Lin., 1753. Arethusa.

**EPIPACTIS**—R. Br., 1813.

E. **VIRIDIFLORA**—Reichb, 1830. (*E. Hellebornia—A. Gray, 1890.*) Helleborina.
Much controversy occurred throughout both England and U. S. when this plant was found by Mrs. M. Church (a member of the Syracuse Botanical Club) as it was not supposed to grow in America. Has since been found in five different and distanced localities in this state. First find in Hubbell’s Woods, near Geddes Gorge, Aug., 1879.

**GYROSTACHYS**—Pers, 1807.

(*Spiranthes—L. C. Richard, 1818.* )

G. **ROMANZOFFIANA**—MacM. (*Spiranthes Romanzoffiana Cham, 1828.*)
Occasional. Bogs, etc. Central Square, July, 1879.

G. **PLANTAGINEA** — Brit. (*Mem. Torr Club, 1899.*)
(*Spiranthes Plantaginea—Torr, 1893.*)
Rare here. Plentiful in northern part of N. Y. State. Woods near Brewerton, 1889.

G. **PRAECOX**—Kuntze. (*Spiranthes Graminea var. Walterii—A. Gray, 1867.*)  
Near Kimber Springs and Kirkville, July, 1885.

G. **SIMPLEX**—Kuntze. (*Spiranthes Simplex—A. Gray, 1867.*)  
Little Ladies' Tresses.  
Rare. Dry sandy soil, among Lupins. North Syracuse. also near Phoenix, Aug., 1896.

G. **GRACILIS**—Kuntze, (*Spiranthes Gracilis—Beck, 1833.*)  
Slender Ladies' Tresses.  
Frequent. Dry woods, etc. Baldwinsville, July, 1895.

**LISTERA**—R. B.r., 1813.

L. **CORDATA**—R. Br. Heart-leaved Twayblade.  
Rare. Woods north from Clay Station, July, 1895.

L. **AUSTRALIS**—Lindl, 1840. Southern Twayblade.  

**PERAMIIUM**—Salisb, 1812. (*Goodyera.*)

P. **REPENS**—Salisb, 1812. (*Goodyera Repens—R. Br., 1813.*)  
Lesser Rattlesnake Plantain.  
Scattered. Several found in woods by Kirkville, Green Lake (none in groups) July, 1890.

P. **PUBESCENS**—MacM. (*Met. Minn. 172—1892*) (*Goodyera Pubescens—R. Br., 1813.*)  
Downy Rattlesnake Plantain.  

P. **MENZIESII**—Morong. (*Mem. Torr Club, 1894.*) (*Goodyera Menziezii—Lindl, 1840.*)  
Menzie's Rattlesnake Plantain.  

**ACHROANTHES**—1808.  
(*Microstylis—Nutt, 1818.*)

A. **MONOPHYLLA**—Greene, 1891. (*Microstylis Monophylla.*)  
White Adder's-mouth.  
Rare. Minute, with one leaf. Cool woods and bogs. Cicero Swamp, July, 1897; Apulia, 1898.
LEPTORCHIS—Thomas, 1808.
(Liparis—L. C. Richards, 1818.)

Rare. Cicero, Apulia, Otisco, May, Aug., 1897, 1898.

Rare. Wet thickets. Near Apulia Pond, 1893. (L.L.G.)

CALYPSO—Salisb, 1807.

Very rare. One only reported. Found by (Samuel Cole) Otisco.

CORALLORHIZA—R. Br., 1813.


C. MULTIFLORA—Nutt, 1823. Large Coral-root.

TIPULARIA.

Rare. Known by its very long spur. Two only have been reported here; one by Mrs. Mary Leach, found near Centerville, and the other by S. Cole of Otisco. Also Oswegatchie Lake, by L. L. G., 1897.

LIMODORUM—Lin., 1753.

Frequent. Formerly abundant in Tamerac Swamp. Locality nearly destroyed through civilization. June, 1895.
APLECTRUM—Nutt, 1818.


DICOTYLEDONES

SAURURACEÆ—Lindl, 1836—Lizard’s-tail Fam.

SAURURUS—Lin., 1753.

Frequent. Swamps and borders of waters. Long Branch, 1890.

JUGLANDACEÆ—Lindl, 1836—Walnut Fam.

JUGLANS—Lin., 1753.

Frequent, especially in southern and eastern parts of Onon. Co. Flowers in May, Fruit in Oct. Marcellus Falls and J. Nichols’ farm, east from Syracuse, 1890.

Frequent. Distributed over all parts of county. Jamesville, Rockwell Springs, 1890.

HICORIA—Raf, 1808.

(Carya—Nutt, 1818.)

Frequent. Roadsides and fields. Willow St., Syracuse, June, 1899.

H. **LASCINIOSA**—Sarg. (*Torr Club, 1894*). (*Carya Sulcata — Nutt, 1818.*) Big Shag-bark.
Less frequent. Distributed. Phoenix Road, June, 1885.


Frequent. Open fields and woods. Field west from St. Agnes Cemetery, June, 1905.

Infrequent. Dry hillsides. West from Hopper’s Glen, 1891.

**MYRICACE/E**—Dumort, 1829—Bayberry Fam.

**MYRICA**—Lin., 1753.

M. **GALE**—Lin., 1753. Sweet Gale.
Occasional in swamps and banks of streams. Swamp Centerville, May, 1890. Tamerac Swamp, June, 1890.

M. **CAROLINENSIS**—Mill, 1768. Wax-berry.
Rare. Writer has never found it. Reported as found in Gorge on Jamesville Road, Apr., 1889.

**SALICACE/E**—Lindl, 1836—Willow Fam.

**POPULUS**—Lin., 1753.

P. **ALBA**—Lin., 1753. Silver-leaf Poplar.
Plentiful in old streets of Syracuse. Probably introduced several years ago. Willow St., Apr., 1885.

Not common. Large tree secreting from its buds a deliciously fragrant resin. Also probably introduced. Onondaga, Apr., 1885.

Rare. Fragrance similar to Balsamifera. Probably escaped from cultivation. Roadside, Onon. Valley.
SYRACUSE BOTANICAL CLUB'S COLLECTION

P. **HETEROPHYLLA**—Lin., 1753. Swamp, or Downy Poplar. Leaf buds very woolly, but smoothe with age. Swamps and banks of water. Skaneateles Lake, 1885.


**SALIX**—Lin., 1753.


S. **FALCATA**—Pursh, 1814. Narrow-leaved Black Willow. Leaves narrow and falcate, otherwise similar to S. Nigra; may be a variation. Found with S. Nigra. Onon. Creek. May.


S. **FRAGILIS**—Lin., 1753. Crack Willow, or Brittle Willow. Not common and thought to be a hybrid or escaped from cultivation.

PLANTS OF ONONDAGA COUNTY

S. ALBA VITELLINA—Kock, 1869. Yellow, or Golden Osier. Common, but hybridises with S. Fragilis to a very confusing degree. Loves moist places.

S. BABYLONICA—Lin., 1753. Weeping Willow, or Ring Willow.
Along river banks. Extended by broken twigs floating from original to receptive soil. Formerly planted for ornament, especially in cemeteries.

S. FLUVIATELIS—Nutt, 1842. (Salix Longifolia — Nutt, 1778.) Sand-bar Willow.

S. BEBBIANA—Sarg, 1895. (Salix Rostrata.) Bebb’s Willow.
Frequent in ravines. Clay, May, 1895.

Occasional in dry soil or banks of streams. Baldwinsville, May, 1895.


S. DISCOLOR—Muhl, 1803. (Salix Crioccephala — Michx 1803.) Glaucous Willow, or Pussy Willow.
Common. Swamps or moist places. Roadside, LaFayette, 1881.

S. SERICA—Marsh, 1785. Silky Willow.
Common in moist soil. Baldwinsville, 1890.

Occasional. Tully, May, 1898.

S. CANDIDA—Fluegge, 1806. Hoary Willow.
Shrub frequent in cold bogs. Baldwinsville, 1890.

Cultivated extensively for baskets in towns north from Syracuse. Jamesville Road, 1889, many miles from cultivated ones.

S. **CORDATA**—Muhl, 1803. Heart-leaved Willow. Occasional in wet soil. Base of leaves so slightly cordate it hardly warrants the name. Baldwinsville, 1890.

S. **ANGUSTA**—Pursh, 1814. Narrow Cordate Willow. Habits and locality same as former.


**BETULACEÆ**—Agardh, 1825—Birch Fam.

**CARPINUS.**


**OSTRYA**—Scop, 1760.


**CORYLUS**—Lin., 1753.


C. **ROSTRATA**—Ait, 1789. Beaked Hazel-nut. Rare. Thickets, etc. Oakwood, 1890. In fruit, Sept., 1900.

**BETULA**—Lin., 1753.


**ALNUS**—Gaertn, 1791.

A. **ALNOBETULA**—K. Koch. (*Alnus Viridis.*) Green, or Mountain Alder. Baldwinsville, May, 1890.


A. **RUGOSA**—K. Koch, 1872. Smooth Alder. Frequent. Hillside, Jamesville Road, April, 1890.

**FAGACEÆ**—Drude, 1879—Beech Fam.

**FAGUS**—Lin., 1753.


**CASTANEA**—Adams, 1763.


**QUERCUS**—Lin., 1753.


Q. **COCCINEA**—Wang, 1787. Scarlet Oak. Dry, hilly places and banks of streams. Frequent. Syracuse, May, 1890.
Q. **VELUTINA**—Lam, 1783. (*Quercus Coccinia var. Tinctoria*—A. Gray, 1867.) Black Oak. Quercitron. Frequent. Inner bark formerly used for dying purposes. Suburbs of Syracuse, June, 1890.


Q. **MINOR**—Sarg, 1889. (*Quercus Stellata*). Post, or Iron Oak. Common. Oakwood Cemetery, June, 1890.

Q. **MACROCARPA**—Michx, 1801. Mossy Cup, or Bur Oak. Very rare. Have only seen one tree. In lot by Phoenix Road. North from Liverpool, June, 1890.


ULMACEAE—Mirbel, Elem, 1815—Elm Fam.

ULMUS—Lin., 1753.


CELTIS—Lin., 1753.

MORACEÆ—Lindl, 1847—Mulberry Fam.

MORUS—Lin., 1753.


HUMULIS—Lin., 1753.


CANNABIS—Lin., 1753.


URTICACEÆ—Reicheub, 1828—Nettle Fam.

URTICA.


UTRICASTRUM—Fabr., 1759.

ADICEA—Raf., 1815. \((\text{Pilea—Lindl, 1821})\).


BOCHMERIA—Jacqs, 1763.


SANTALACEAE—R. Br., 1810—Sandalwood Fam.

COMANDRA—Nutt, 1818.


ARISTOLOCHIACEAE—Blume, 1830—Berthwort Fam.

ASARUM—Lin., 1753.


POLYGONACEAE—Lin., 1753—Buckwheat Fam.

RUMEX—Lin., 1753.


**FAGOPYRUM**—Gaertn, 1791.


**POLYGANUM**—Lin., 1753.


P. **HARTWRIGHTII**—A. Gray, 1870. Hartwright's Persicaria. Rare. Shallow water and wet soil.


P. **LAPATHIFOLIUM**—Lin., 1753. Dock-leaved or Pale Persicaria. Very variable; spreads rapidly, becoming a troublesome weed.

P. **PERSICARIA**—Lin., 1753. Lady's Thumb.  

P. **HYDROPIPEROIDES**—Michx, 1803. Mild Water Pepper.  
Shallow water and wet soil. Common. Centreville swamp, 1890.

P. **HYDROPIPER**—Lin., 1753. Smartweed; Water Pepper.  

P. **PUNCTATUM**—Ell, 1817. (*Polygnum acre*—H. B. K., 1817). Dotted, or Water Smartweed.  

P. **ORIENTALE**—Lin., 1753. Prince's Feather.  
Frequent. Escaped from gardens. Roadside. 1898.

P. **VIRGINIANUM**—Lin., 1753. Virginia Knot Weed.  

P. **AVICULARE**—Lin., 1753. Knotgrass; Doorweed.  

P. **POLYGANUM ERECTUM**—Lin., 1753. Erect Knotweed.  

P. **RAMOSISSIMUM**—Michx, 1803. Bushy Knotweed.  

P. **TENUE**—Michx, 1803. Slender Knotweed.  

P. **CONVOLVULUS**—Lin., 1753. Black Bindweed.  

P. **CILINODE**—Michx, 1803. Fringed Black Bindweed.  

P. **SCANDENS**—Lin., 1753. Climbing False Buckwheat.  

P. **SAGITTATUM**—Lin., 1753. Arrow Leaved Tear Thumb.  

**POLYGONELLA**—Michx, 1803.


**CHENOPODIACEÆ**—Dumont, 1829

Goosefoot Fam.

**CHENOPODIUM**—Lin., 1753.


SYRACUSE BOTANICAL CLUB'S COLLECTION

BLITUM—Lin., 1753.


ATRIPLEX.


SALICORNIA—Lin., 1753.


DONDIA—Adams, 1763.

(SUAEDA—Forsk, 1775).


SALSOLA—L., 1753.

AMARANTACEÆ—J. St. Hill—Amaranth Fam.

AMARANTHUS—Lin., 1753.

A. RETROFLEXUS—Lin. Rough Pig-weed.

A. HYBRIDUS—Lin., 1753. (*Amaranthus chlorostachys—
Willd, 1790.*) Slender Pig-weed.
Range same as Amaranthus Chlorostachys hybridus,
and similar in every respect except size and color.
Plentiful.

A. SPINOSUS—Lin. 1753. Spiny Amaranth.
Waste soil. More often hilly places. Pompey, Aug.,
1908.

Rare. Frequents roadside in city. James St., near

A. GRAECIZANS—Lin., 1753. (*Amaranthus Albus, L. 1763.*)
Tumble-weed.

A. CRISPUS—Braun. A. Gray; Man. 6th Ed., 1890. Crisp
Leaved Amaranth.
1895.

Rare. Onon. Lake shore. North from Pleasant Beach.
Aug.

ACNIDA—Lin., 1753.


PHYTOLACACEÆ—Lindl, 1836—Pokeweed Fam.

PHYTOLACCA—Lin., 1753.

P. DECANDRA—Lin. 1753. Poke, Soke, Pigeon Berry; also
Inkberry.
Common in rich open woods and cleared lands. Very
handsome under cultivation. Goodrich Garden, 1905.
AIZOACEÆ—A. Br. 1864—Carpetweed Fam. (Ficoideae—Gray, 6th Ed.)

SESUVIUM—Lin. 1759.

Rare. Salt marsh near Geddes. Locality destroyed by Solvay refuse. Specimens found Aug., 1890.

MOLLUGO—Lin., 1753.

Common Weed in cultivated grounds. Phoenix, July, 1898.

PORTULACACEÆ—Reichub, 1828

Purslane Fam.

CLAYTONIA—Lin. 1753.


Range and construction like C. Virginianum, except form of leaves. Caroliniana, broad; Virginianum, narrow or linear.

PORTULACA.

P. OLERACEAE, Lin. 1753. Purslane, Pusley.
Frequent as a weed in old gardens. G. garden, July, 1909.

CARYOPHYLLACEÆ—Reicheub, 1828

Pink Fam.

AGROSTEMMA—Lin. 1753. (Lychnis)

A. GITHAGO—Lin. 1753. (Lychnis Githago—Scop. VGGB).
Corn Cockle, Corn Rose, Corn Campion.
Frequent in grain fields. Otisco, July, 1895.
SILENE—Lin. 1753.

S. **VULGARIS**—Garcke, 1794. (*Silene cucubalus—Wibel, 1799*). Bladder Campion.
Rare. Roadsides, etc. Onon. Hill cemetery, July, 1899.

S. **CAROLINIANA**—Walt. 1788. Wild Pink.
Rare. One locality reported. Sand Hill, Brighton, June, 1899.

S. **ANTIRRHINA**—Lin. 1753. Sleepy Catchfly.
Rare. Waste and sandy places. South Onon. 1898.

S. **ARMERIA**—Lin., 1762. Sweet William Catchfly.
Spontaneous in old gardens, and escaped. Forman Yard, Onon. Valley, 1885.

S. **NOCTIFLORA**—Lin. 1753. Night Flowering Catchfly.

S. **DICHOTOMA**—Ehrh, 1792. Forked Catchfly.

LYCHNIS—Lin. 1753.

L. **ALBA**—Mill, 1768. (*Lychnis vespertina—Sibth, 1794*). Evening Lychnis.

L. **CHALCEDONICA**—Lin. 1753. Scarlet Lichnis.
Escaped from gardens. Taunton roadside, Aug., 1895.

L. **FLOSCUCULI**—Lin. 1753. Ragged Robin.


SAPONARIA—Lin. 1753.

S. **OFFICINALIS**—Lin. 1753. Soapwort, Bouncing Bet.
VACCARIA—Medic., 1789.

V. VACCARIA—Britton. (Saponaria Vaccaria—Lin. 1753) Cow-herb. Railroad track in Tamerac Swamp. The only specimen reported.

DIANTHUS—Lin. 1753.


D. DELTOIDES—Lin. 1753. Maiden Pink. Only ones I have seen were from Baldwinsville, June, 1898.


ALSINE—Lin. 1753. (Stellaria—Lin. 1753).


**CERASTIUM**—Lin. 1753.


**SAGINA**—Lin. 1753.


**ARENARIA**—Lin. 1753.


MOCHRINGIA—Lin. 1753.

M. LATERIFLORA—Fenzl., 1833. \(\text{(Arenaria lateriflora—Lin.)}\) Blunt-leaved Sandwort. Moist places and banks of lakes, etc. South Bay, Oneida Lake, 1895.

AMMODENIA—J. G. Gruel, 1769. \(\text{(Arrenaria)}\)

A. PEPOLOIDES—Rupr. 1845. \(\text{(Arenaria peploides—Lin.)}\) Sea Beech Sandwort. Plenty on lake shore at Pleasant Beach.

SPERGULA—Lin. 1753.


TISSA—Adams, 1763.


T. ROBRA—Britton, 1889. Habit and habitat same as T. Marina.

ANYCHIA—Michx, 1803.


SCLERANTHUS—Lin. 1753.


NYMPHAEACEÆ—D. C., 1816—Water Lily Fam.

BRASENIA—Schreb, 1789.

B. PURPUREA—Casp., 1890. (Brasenia peltata—Pursh). Water Shield. Target. Plenty in ponds, etc. Known by its glutinous covering.

NYMPHAEA—Lin., 1753.


N. ADVENA—Var. Minus—Morong. Smaller and much more attractive than the coarser advena.

CASTALIA—Salisb., 1805.


CERATOPHYLLACEÆ—A. Gray, 1837

Hornwort Fam.

CERATOPHYLLUM—Lin. 1753.

MAGNOLIACEAE—Magnolia Fam.

MAGNOLIA—Lin. 1753.


LIRIODENDRON—Lin. 1753.


RANUNCULACEAE—Juss, 1789—Crowfoot Fam.

HYDRASTIS—Lin. 1753.


CALTHA—Lin. 1753.


COPTIS.


ISOPYRUM—Lin. 1753.


ACTAEAE—Lin., 1753.


CIMICIFUGA—Lin. 1774.


AQUILEGIA—Lin. 1753.

A. **CANADENSIS**—Lin. 1753. Wild Columbine.

A. **VULGARIS**—Lin. 1753. European Columbine.

ANEMONE—Lin. 1753.

A. **PARVIFLORA**—Michx, 1803. Northern Anemone.

A. **CYLINDRICA**—A. Gray, 1836. Long-fruitied Anemone.
Rare. Locality same as A. parviflora. Round Top, May, 1893.

A. **VIRGINIANA**—Lin. 1753. Tall Anemone.
Common. Wet meadows and low banks of streams. Mud Lock, June, 1895.


A. **QUINQUEFOLIA** — Lin. 1753. (*A. nemerosa — Michx, 1803*). Windflower.
Rare. I found many specimens in one locality. North from Liverpool, May, 1898.

HEPATICA—Scop., 1760.


SYNDESMON—Hoffing, 1832.

S. THALICTROIDES—Hoffing, 1832. (Anemonella thalicroides—Spach, 1839.)
Frequent in swampy or moist grounds. Bank of Onon. Lake, May, 1895.

CLEMATIS—Lin. 1753.

C. VIRGINIANA—Lin. 1759. Virginia Virgin's Bower.

C. VIORNA—Lin. 1753. Leather Flower.
Thick purple sepals. Very rare. Only locality reported, woods, Jamesville Road.

ATRAGENE—Lin. 1753.

A. AMERICANA—Sims, 1806. (Clematis verticillaris—D. C., 1819). Purple Virgin's Bower.
Rare. Jamesville woods and Rockwell Springs, May, 1911.

RANUNCULUS—Lin. 1753.


R. PUSILUS—Poir, 1804. Low Spearwort.
Rare. Banks of canal. Geddes, June, 1889.

R. REPTANS—Lin., 1753. (Ranunculus flammula var. reptans—Meyer, 1830.) Creeping Spearwort.
Rare. Shore Tully Lake. June and Aug.

Rare. Wet soil. Long Branch. May, 1897.


R. **Septentrionalis**—Poir, 1804. Swamp or Marsh Buttercup. Frequent. Marshy grounds. Mr. Cusick's Indian Res.


B. **BATRACHIUM**—S. F. Gray, 1821.

B. **TRICHOPHYLLUM**—Bossch, 1850. (*Ranunculus aquatilis var. trichophyllum*—A. Gray, 1867.) White Water Crowfoot.
Frequent. Borders of ponds and low, wet places. Oak Orchard, July, 1890.

Less common than B. trichophyllum. Apulia Pond.

**OXYGRRAPHIS**—Bunge, 1836.

O. **CYMBOLARIA**—Prantl, 1891. (*Ranunculus Cymbolaria*)
Seaside Crowfoot.
Infrequent. Banks of canal, Geddes, and banks of stream flowing into Onon. Lake, Pleasant Beach, July, 1893.

**THALICTRUM**—Lin. 1753.

T. **DIOICUM**—Lin. 1753. Early Meadow Rue.
Common. Woods and borders of streams. Marcellus, May, 1897.

T. **CORIACEUM**—Small, 1893. Thick-leaved Meadow Rue.
Occasional. Meadows, etc. Wrongly called "Rue Fern." Field, East Syracuse.

T. **PURPURASCENS**—Lin. 1753. Purplish Meadow Rue.

Common. With T. purpurascens similar, but much smaller and later bloomer. Stem very slightly tinted. East Syracuse, Sept. 1899.

**BERBERIDACEÆ**—T. & G., 1838. Barberry Fam.

**BERBERIS**—Lin. 1753.

B. **VULGARIS**—Lin. 1753. Common or European Barbbery.
CAULOPHYLLUM—Michx, 1803.

C. THALICTROIDES—Michx, 1803. Blue Cohosh; Pappoose Root.

PODOPHYLLUM.

P. PELTATUM—Lin., 1753. May Apple; Wild Mandrake.

MENISPERMACEÆ—D. C., 1824—Moonreed Fam.

MENISPERMUM—Lin. 1753.

M. CANADENSE—Lin. 1753. Canada Moonseed.
   Frequent. Banks of streams. Creek, Onon. Valley.

LAURACEÆ—Lindl., 1836—Laurel Fam.

SASSAFRAS—Neis & Eberm, 1831.

S. SASSAFRAS—Karst, 1880. (Deutsch Flo.) (Sassafras officinale—N. & E., 1831). Sassafras or Ague Tree.
   Occasional. Fast being eradicated for its aromatic root. Colvin Grove, James St.

BENZOIN—Fabric, 1763.

   Frequent. Damp woods. Indian Reservation, May, 1895.

PAPAVERACEÆ—B. Juss, 1769—Poppy Fam.

SANGUINARIA—Lin. 1753.


GLAUCIUM—Juss, 1789.

G. GLAUCIUM. (Karst, 1880—Deutsch Flora.) (Glaucium luteum). Yellow-horned or Sea Poppy.
   Very rare. Only two localities reported. Bank of old reservoir, and roadside Belleview Avenue, July, 1895.
CHELIDONIUM—Lin., 1753.

Common. Roadsides and near old buildings. Taunton, June, 1895.

BICUCULLA—Adams, 1763. (Diclytra
Borck, 1797, Dicentra—Bernh, 1833)

B. CUCULLARIA — Millsp., 1892. (Dicentra cucullaria —
Torr, 1843). Dutchman’s Breeches; Soldier’s Cap.

B. CANADENSIS—Millsp., 1892. (Dicentra Canadensis —
Valp, 1842). Squirrel Corn.
Same range and habits as B. cucullaria.

B. EXIMIA—Millsp., 1892. (Dicentra eximia—Torr, 1843.)
Wild Bleedingheart.

ADLUMIA—Rof., 1808.

A. FUNGOSA—(Green, 1888. Prel. Cat., N. Y., 3.) (A. cirr-
hosa—Raf., 1808.) Climbing Fumitory.

CAPNOIDES—Adams, 1763. (Corydalis, 1803.)

C. SEMPERVIRENS — Borck, 1797. (Corydalis glancaec —
 Pursh, 1814). Pink corydalis.
Rare. Only locality reported Howlett woods. L. E.
Underwood.

C. AUREUM—Kuntze. (Rev. Gen. Pl. 14—1891.) (Cory-
dalis aurea—Willd, 1809.) Golden Corydalis.
Rare. Moist woods. Clay, May, 1890.

FUMARIA—Lin. 1753.

F. OFFICINALIS—Lin. 1753. Hedge Fumitory.
Rare. Geddes Gorge, 1895.
CRUCIFERÆ—Juss, 1759—Mustard Fam.

LEPIDIUM—Lin. 1753.


   Rare. Waste ground, near Onon. Creek, Aug., 1909.
   B. Douglass.

L. RUDERALE—Lin. 1753. Roadside or Narrow-leaved Pepper Grass.
   Not common. Roadside. Townsend St., Syracuse, near canal, 1909.

L. VIRGINICUM—Lin. 1753. Wild Pepper Grass.

THLASPI—Lin. 1753.

T. ARVENSE—Lin. 1753. Field Pennycress.
   Rare. Plenty in one waste field, Collin’s farm, Fayetteville, Aug., 1908.

   Infrequent. West Shore track, Syracuse, Aug., 1910.

SISIMBRIUM—Lin. 1753.


S. ALTISSIMUM—Lin., 1753. Tall sisymbrium.
   Rare. Waste places.

CAKILE—Gaertn, 1791.

   Only on salt marsh. Lake shore, Pleasant Beach, 1900.

SINAPIS—Lin., 1753.

   Common in waste places. Summer.
BRASSICA—Lin. 1753.


RAPHANUS—Lin. 1753.


BARBAREA—R. Br., 1812.


RORIPA—Scop, 1760.

(*Nasturtium*—R. Br., 1812.)


R. **PALUSTRIS**—Bess, 1821. (*Nasturtium palustre*—D. C., 1821.) Marsh or Yellow Water Cress. Infrequent. Swamp near House of Providence, June, 1897.

Onon. Lake, near White City, June, 1906.

CARDAMINE—Lin. 1753.

Rare. Wet places. Clay, May, 1889.


Rare. On rocks. Jamesville, May, 1886.

C. Flexuosa—With, 1796. Wood Bitter Cress.


Rare. Cold, wet places. Clay, May, 1889.

Rare. Wet, springy places. Peppermill Gorge, May.

DENTARIA—Lin. 1753.

D. Laciniata—Muhl, 1800. Cut-leaved Toothwort; Pepperwort.

D. Diphylla—Michx, 1803. Two-leaved Toothwort.
D. MAXIMA—Nutt, 1818. Large Toothwort.
Frequent. Rich woods. Jamesville Road, May, 1900.

D. HETEROPHYLLA—Nutt, 1818. Slender Toothwort.
Rare. Green Lake, June, 1891. (S. Cole) . . . . . .

BURSA—Weber, 1780.

Very common. Waste places and fields. Townsend St., near canal. Summer.

CAMELINA—Crantz, 1762.

C. SATIVA—Crantz, 1762. False Flax.

NESLIA—Derv., 1814.

Rare. Dump grounds. Colvin Tract, Summer, 1900.

DRABA—Lin. 1753.

D. Verna—Lin. 1753. Vernal Whitlow-grass.

D. INCANATA VAR. ARABISANS —Michx, 1818. Twisted Willow Grass.
Rare. High rocky places. Otisco.

D. CAROLINIANA—Walt. Reported, but have not learned locality nor by whom found.

SOPHIA—Adams, 1763.

S. SOPHIA—Britton. (Sisymbrium sophia—Lin., 1753.)
Flix-weed.
PLANTS OF ONONDAGA COUNTY

STENOPHRAGMA—Celak, 1877.

S. THALIANA—Celak, 1877. (*Sisymbrium Thalianum —
Gray, 1826*). Mouse-ear Cress.
Rare. Marcellus, 1897.

ARABIS—Lin. 1753.


Rare. Road to Green Lake, May 2, 1891.


Rare. Rocky places. Indian Hill, June, 1891.

A. CANADENSIS—Lin. 1753. Sickle Pod.

Rare. East from Fayetteville, July, 1908.

A. GLABRA — Bernh, 1800. (*Arabis perfoliata — Lam.*)
Tower Mustard.
Not common. Rocky fields. Otisco Hill.

ERYSIMUM—Lin. 1753.

E. CHEIRANTHOIDES—Lin. 1753. Worm Seed, or Treacle Mustard.

ALYSSUM—Lin. 1753.

A. ALYSSOIDES—Gonan, 1762. Yellow or Small Alyssum.
Rare. But one locality reported. Townsend St., near canal, Sept., 1908.

KONIGA—Adams, 1763.

Rare. Probably escaped from cultivation. West Shore Track, Sept., 1907.
HESPERIS—Lin. 1753.


CAPPARIDACE/E—Lindl, 1836—Caper Fam.

POLANISIA—Raf., 1819.


SARRACENIACE/E—La Pyl, 1827

Pitcher Plant Fam.

SARRACENIA—Lin. 1753.

S. PURPUREA—Lin. Pitcher Plant; Side Saddle Flower. Frequent in sphagnum swamps. S. purpurea heteraphylla considered a distinct species by Eaton, but botanists generally admit it only as a variation of S. purpurea. Cicero swamp, June, 1898. Howlett Swamp, June 1st, 1899.

DROSERACE/E—S. F. Gray, 1821—Sundew Fam.

DROSERA—Lin. 1753.


CRASSULACEÆ—D. C., 1808—Orpine Fam.

SEDUM—Lin. 1753.


S. REFLEXUM—Lin. 1753. Reflexed Stone Crop. Rare. Also escaped from gardens.


PENTHORUM—Lin. 1753.


SAXIFRAGACEÆ—Dumont, 1829—Saxifrage Fam.

ASTILBE—Hamill, 1825.


SAXIFRAGA—Lin. 1753.


TIARELLA—Lin. 1753.

MITELLA—Lin. 1753.

M. DIPHYLLA—Lin. 1753. Mitrewort. 
Frequent in rich woods and opens. Jamesville. May.

M. NUDA—Lin. 1753. Naked Mitrewort. 

CHrysosplenium—Lin. 1753.


Parnassia—Lin. 1753.


Grossulariaceae—Dumont, 1829

Gooseberry Fam.

(Saxifragaceae—Grey, 6th Ed.)

Ribes—Lin. 1753.


R. **RUBRUM**—Lin., 1753. Red Currant.
Not common. Cold and damp woods. Crouse Swamp, June, 1895.

R. **AUREUM**—Pursh, 1814. Golden Currant.
Occasionally. Escaped from gardens. Roadside, Onon. Hill.

**HAMAMELIDACE/E**—Lindl, 1847
Witch Hazel Fam.

**HAMAMELIS**.

H. **VIRGINIANA**—Lin., 1753. Witch Hazel.
Common. Low grounds, thickets, etc. Oakwood, 1899.

**PLATANACE/E**—Lindl, 1836—Plane Tree Fam.

**PLATANUS**—Lin. 1753.

P. **OCCIDENTALIS**—Lin. 1753. Buttonwood; Plane Tree; Sycamore.
Infrequent except in cultivation. Known by its deciduous bark. Willow St., Syracuse.

**ROSACE/E**—R. Juss, 1759—Rose Fam.

**SPIREA**—Lin. 1753.

S. **SALICIFOLIA**—Lin. 1753. Meadow Sweet.
Frequent. Swamps and moist meadow lands. Tamercac, July, 1900.

S. **TOMENTOSA**—Lin. 1753. Hardhack; Steeple Bush.
Range same as S. solicifolia. North from Long Branch, 1900.

R. **RUBUS**—Lin. 1753.

R. **ODORATUS**—Lin. 1753. Purple Flowering Raspberry.

R. **STRIGOSUS**—Michx, 1803. Wild Red Raspberry.
Abundant in clearings around stumps. May and July, 1895.

R. VILLOSUS—Ait., 1789. High Blackberry.
R. FRONDOSUS—Bigel, 1824. Short-fruit Blackberry.
Frequent. Habits and habitat same as R. villosus.
Common. Hillsides. Indian Hill. August.
D. REPENS—Lin. 1753. Dalibarda.

FRAGARIA—Lin. 1753.
F. CANADENSIS—Michx, 1803. Long Wild Strawberry.
Frequent. Meadows, etc. Hatch farm, Skaneateles.
F. VESCA—Lin. 1753. Wood Strawberry.
F. AMERICANA—Britton. *(Torr Club, 1892.)* American Wood Strawberry.
Infrequent. Borders woods and roadsides. Marcellus Road, 1895.
DUCHESMA—J. E. Smith, 1811.

D. *Indica*—Focke, 1888. (*Fragaria Indica*—Andr, 1807) Indian or Yellow Strawberry. Rare. Only locality reported. Grounds, Chas. M. Crouse, June, 1899.

POTENTILLA—Lin., 1753.


P. *Tridentata*—Soland, 1789. Three-toothed Cinquefoil. Rare. Found in Otisco by S. Cole.


COMARUM—Lin., 1753.


WALDSTEINIA—Willd, 1799.

GEUM—Lin. 1753.


AGRIMONIA—Lin., 1753.


SANGUISORBA—Lin. 1753.

(Poterium—L.)

S. SANGUISORBA. (Sanguisorba—Britton, Torr Club, 1894.) (Poterium sanguisorba—Lin., 1753.) Salad Burnet, or Garden Burnet.
Frequent. Among rocks. Jamesville road, summer, 1908.


ROSA—Lin. 1753.

R. BLANDA—Ait., 1789. Meadow Rose.
Frequent. Among rocks. Fiddler's Green, July, 1901.

R. CAROLINA—Lin. 1753. Swamp Rose.

R. CAROLINA—White variety. I found on marsh near Solvay, 1885. Locality now destroyed by Solvay refuse.


R. LUCIDA—Ehrh, 1789. Shining Rose.
Infrequent. Known at once by its bright shining leaves.

Infrequent. Low grounds. Phoenix road, July, 1898.


R. CINNAMOMEA—Lin. 1753. Cinnamon or May Rose.

POMACES—Lin. 1753—Apple Fam.

SORBUS—Lin., 1753. (Pyrus, 1827.)

Infrequent. Indian Reservation, June, 1909.
S. SAMBUCIFOLIA—Roem, 1847. *(Pyrus sambucifolia.)*
  Western Mountain Ash.
  Rare. Moist grounds. Marcellus Falls, 1907.

MALUS—Juss, 1789.


ARONIA—Pers., 1807.

A. ARBUTIFOLIA—Ell. *(1821, Bot. S. & Gar.)* *(Pyrus arbutifolia—Lin., 1781.)* Red Choke-berry.

A. NIGRA—Britton. *(Torr Club, 1894.)* *(Pyrus nigra sargent.)* Black Choke-berry.
  Frequent. Swamps. Long Branch, May, 1907.

AMELANCHIER.


A. BOTRYAPIUM—D. C., 1825. *(Amelanchier Canadensis var. B—.)* Swamp Sugar Pear.
  Range etc. with A. Canadensis. Jamesville Road.

  Varies from former two, in its long petals and broad, round leaves. Similar habitat. Jamesville Road.

CRATAEGUS—Lin., 1753.

C. **PUNCTATA**—Lin., 1753.  (*Crataegus tomentosa var. punctata—A. Gray, 1856.*) Large-fruited Thorn. Frequent. Stony hillsides. South from Fiddler’s Green, June, 1908.


**DRUACEÆ**—D. C. 1805—Plum Fam.

**PRUNUS**—Lin., 1753.

P. **AMERICANA**—Marsh, 1785. Wild Red Plum. Seldom found now. Thicket. Wiard Farm, Onon. Hill.


**CAESALPINACEÆ**—Kl. & Garce, 1862—Senna Fam.

(*Leguminosae—Gray, 6th Ed.*)

**CASSIA**—Lin., 1753.


SYRACUSE BOTANICAL CLUB'S COLLECTION

GLEDITSIA—Lam., 1783.


GYMNOCLAUDUS—Lam., 1783.


PAPILIONACEÆ—Lin. 1764—Pea Fam.

(Leguminosae—Gray, 6th Ed.)

BAPTISIA—Vent., 1808.


LUPINUS—Lin., 1753.


GENISTA—Lin., 1753.


MEDICAGO—Lin., 1753.


MELILLOTUS—Juss, 1789.


TRIFOLIUM—Lin., 1753.


**ROBINIA**—Lin. 1753.


**ASTRAGALUS**—Lin. 1753.

PHACA—Lin. 1753.
Rare. Otisco. S. Cole. Banks of streams.

CORONILLA—Lin., 1753.
Rare. Roadsides and waste places. Mrs. Kent.

MEIBOMIA—Adams, 1763.
(Desmodium—Desv., 1813).

Frequent. Dry open woods. Jamesville.

M. GRANDIFLORA—Kuntze. (Desmodium accuminatum).
Pointed-leaved Tick Trefoil.

M. PAUCIFLORA—Kuntze. (Desmodium pauciflorum, D. C.)
1895. Few-flowered Trefoil.
Rare. Pleasant Beach, July, 1899.


Frequent. Woods and along streams. W. Brick-yard, Aug., 1890.
Frequent. Banks of streams, woods and thickets. Round Top. Mrs. H. N. White, Aug., 1895.

Rare. Dry woods and openings. Fabius, Aug., 1894.

Frequent. Dry woods and ravines. Centreville, July, 1889.

M. CANADENSIS—Kuntze. (*Desmodium Canadensis* — D. C. 1825.) Canadian, or Showy Tick Trefoil.
Frequent. Thickets, banks of streams. Bank, Onon. Creek, May, 1900.

M. RIGIDA—Kuntze. (*Desmodium rigidum*—D. C., 1825.)
Rigid Tick Trefoil.


Occasional. Dry hills and sandy places. North Syracuse, June, 1898.

LESPEDEZA—Michx, 1803.


Rare. Dry banks and hillsides. Canton, Aug., 1900.


VICIA—Lin., 1753.


LATHYRUS—Lin. 1753.

L. VENOSUS—Muhl, 1803. Veiny Pea. Very rare. One locality only reported, and very few specimens. Otisco Hill.


L. MYRTIFOLIUS—Muhl, 1803. (L. palustris var. myrtifo-

lius—A. Gray, 1856). Myrtle-leaved Marsh Pea. Same range as L. Palustris, though less frequent.


FALCATA—Gmel., 1796. (Amphicarpa—Ell. 1817)

F. COMOSA—Kuntze. (Rev. Gen. Pl. 182, 1891) (Amphi-
PLANTS OF ONONDAGA COUNTY

APIOS—Moench, 1794.


PHASEOLUS—Lin. 1753.

P. POLYSTACHYUS—B. S. P. *(Prel. Cat. 1888.) (P. perennis—Walt. 1788)*. Wild Bean.
   Rare. Waste grounds, thickets, etc.

GERANIACEÆ—Lin. 1753—Geranium Fam.

GERANIUM—Lin. 1753.

G. MACULATUM—Lin. 1753. Spotted Cranesbill.

   Common in woods and open places, especially around old stumps. Very variable under cultivation. A white variety has been found at Ind. Reservation by a member of Syracuse Botanical Club.


G. PUSILUM—Lin. VGEC. Small-flowered Cranesbill.
   Rare. Rocky woods. Geddes Gorge, June, 1895.

OXALIDACEÆ—Lindl, 1836—Wood Sorrel Fam.

OXALIS—Lin. 1753.


O. CORNICULATA—Lin. VGEC. Procumbent Yellow Wood Sorrel.
   Frequent in old cultivated grounds. Goodrich barnyard. Summer.


**LINACEAE**—Dumort, 1822—Flax Fam.

**LINUM**—Lin. 1753.


**RUTACEÆ**—Juss, 1789—Rue Fam.

**XANTHOXYLUM**—Lin. 1753.


**SIMARUBACEÆ**—D. C., 1811—Ailanthus Fam.

**AILANTHUS**—Desf, 1789.


**POLYGALACEÆ**—Reicheub, 1828—Milkwort Fam.

**POLYGALA**—Lin. 1753.


P. AMBIGUA—Nutt, 1818. \( (P. \text{ verticillata} \ var. \text{ ambigua—Wood, 1870) } \) Long-spiked Milkwort. Occasional. Flowers very loosely spiked. Range same as the former. Fabius, Aug., 1895.

P. VIRIDESCENS—Lin. 1753. \( (\text{Poligala sanquinea}) \). Field Purple Milkwort. Rare. Sandy grounds. Midland Ave., Kirk Park.


EUPHORBIACEÆ—St. Hil., 1805—Spurge Fam.

ACALYPHA—Lin. 1753.


EUPHORBIA—Lin., 1753.


E. **LATHYRIS**—Lin. 1753. Myrtle Spurge. Rare. Date and habitat same as former. Probably escaped.


E. **HELIOSCOPIA**—Lin. 1753. Sun Spurge, Wartweed. Common. Old gardens, etc. T. J. Leach's yard, June 18, 1900.


CALLITRICHACEÆ—Lindl, 1836—Water Starwort Fam.

CALLITRICHE—Lin. 1753.


C. PALUSTRIS—Lin. 1753. Vernal Water Starwort or Water Fennel.


Frequent. Stagnant water or low streams. Apulia pond, 1890.

LIMNANTHACEÆ—Lindl, 1836

False Mermaid Fam.

(Geraniaceae.)

FLOERKEA—Willd, 1881.

F. PROSERPINACOIDES—Willd. False Mermaid.


ANACARDIACEÆ—Lindl, 1830—Sumac Fam.

RHUS—Lin. 1753.


Frequent. Range similar to R. hirta with which it seems to hybridize and is less frequent. Onon. Hill, July, 1909.
R. VERNIX—Lin. 1753. (*Rhus venenata—D. E. 1825*).
Poison Sumac.
Occasional. Swampy places and banks of streams. Leaflet entire; petioles not margined. The most virulent poisonous plant we have. Have seen it in Cicero Swamp and mouth of Seneca River. Avoid it as a volatile poison.

Common. Climbing over rocks, trees, fences and sometimes low and inclined to be bushy. Three leaflets; sometimes serrate and toothed or entire. Very poisonous. Rose Hill Cemetery, Sept., 1899.

**ILICACEÆ**—Lowe, 1868—Holly Fam.

* (Ilicineae)

**ILEX**—Lin., 1753.


I. MONTICOLA—A. Gray, 1856. Large-leaved Holly.
Rare. High hills, thickets. Otisco, 1889.

Common. Low grounds and marshes. Camillus, May, 1907.

I. LAEVIGATA—A. Gray, 1856. Smooth Winterberry.

**ILICOIDES**—Dumont, 1802.

* (Nemopanthes—Raf. 1819)

CELASTRACEÆ—Lindl. 1836—Staff Tree Fam.

EUNONYMUS—Lin., 1753.

Rare. Woods and thickets. Robinson woods, June, 1890.

CELASTRUS—Lin. 1753.

C. SCANDENS—Lin., 1753. Waxwork; Bittersweet.
Common. Climbing over trees, fences, etc. Orville, 1905.

STAPHYLEACEÆ—D. C., 1825—Bladdernut Fam.

STAPHYLEA—Lin. 1753.


ACERACEÆ—St. Hill, 1805—Maple Fam.

ACER—Lin. 1753.

A. SACCHARINUM—Lin., 1753. (Acer dasycarpum—Ehrh, 1780.) Silver, Soft, or White Maple.

A. RUBRUM—Lin. 1753. Red or Swamp Maple.
Frequent. Low, swampy grounds near Onon. Lake, May, 1899.


A. PENNSYLVANICUM—Lin. 1753. Striped Maple or Moose-wood.

A. SPICATUM—Lam., 1786. Mountain Maple.
Frequent. Moist woods and swamps. Jamesville, June, 1908.

**BALSAMINACEÆ**—Lindl, 1836—Jewelweed Fam.

**IMPATIENS**—Lin., 1753.


**RHAMNACEÆ**—Dumort, 1827—Buckthorn Fam.

**RHAMNUS**—Lin. 1753.


**CEANOTHUS**—Lin. 1753.


**VITACEÆ**—Lindl, 1836—Grape Fam.

**VITIS**—Lin. 1753.


PLANTS OF ONONDAGA COUNTY


PARTHENOCISSUS—Planch, 1887. (Ampelopsis.)


TILIACEÆ—Juss, 1789—Linden Fam.

TILIA.


F. EUROPÆA—Lin. 1753. European Linden. Only found under cultivation. Much smaller than the two indigenous species, in every part. Origin name of Linnaeus. State St., Unitarian lot, 1883.

MALVACEÆ—Neck, 1770—Mallow Fam.

ALTHAEOIDAE—Lin. 1753.

MALVA—Lin. 1753.


ABUTILON—Guertn, 1791.


HIBISCUS.


HYPERICACEÆ—Lindl, 1836—St. Johnwort Fam.

HYPERICUM—Lin., 1753.


SAROTHRA—L., 1753.


TRIADENUM—Raf, 1808.


ELATINACEÆ—Lindl, 1836—Waterwort Fam.

ELATINE.

CISTACEAE—Lindl, 1836—Rockrose Fam.

LECHEA—Lin., 1753.


VIOLACEÆ—D. C. 1805—Violet Fam.

VIOLA—Lin., 1753.


V. **PEDATIFIDA**—Don, 1831. Prairie Violet. Rare. Same range and similar to palmata. Might be a variation of former. Long Branch and Brit. Lot, May, 1897.


V. **BLANDA**—Willd, 1806. Sweet White Violet.  
Frequent. Damp places. Kimber Spring lot, 1908.

Frequent. Resembles bland. Differs in petals being beardless, brownish-veined. Cleistogenes reflexed.  
Jamesville Woods, June, 1895.

V. **PRIMULAEOFILA**—Lin., 1753. Primrose-leaved Violet.  
Infrequent. Varies greatly or hybridizes with bland.  
Range the same. Jamesville, June.

V. **PUBESCENS**—Ait, 1789. Hairy Yellow Violet.  

V. **SCABRIUSCULA**—Schwein, 1838. Smoothish Yellow Violet.  
Frequent. Smaller and very slightly pubescent.  
Jamesville, May, 1906.

V. **CANANDENSIS**—Lin., 1753. Canada Violet.  

V. **STRIATA**—Ait, 1769. Striped Violet.  
Frequent. Low, moist grounds. Indian Res., June, 1895.

V. **LABRADORICA**—Schrank, 1818. *(Viola canina var. Muhlenbergia—Traut, 1817.)* American Dog Violet.  
Common. Damp, shady places. Tamerac, June, 1895.

V. **ROSTRATA**—Pursh, 1814. Long-spurred Violet.  
Frequent. Shady grounds. Otisco, July, 1900.

**CUBELIUM**—Raf.  
*(SOLEA—Spreng, 1813.)*

C. **CONCOLOR**—Raf. Green Violet.  
Rare. Moist woods, etc. Round Top, Oakwood, June.
THYMELEACEÆ—Reicheub, 1828—Mezerum Fam.

DAPHNE—Lin., 1753.


DIRCA—Lin., 1753.


ELÆAGNACEÆ—Lindl, 1836—Oleaster Fam.

LEPARGYRAEA—Raf, 1817.

L. CANADENSIS—Greene. (Shepherdia Canadensis—Lin., 1753.) Canadian Buffalo Berry.
Rare. Along banks of streams. State Ditch, Mud Lock, May, 1889.

LYTHRACEÆ—Lindl, 1836—Loosestrife Fam.

DECOĐEN—J. F. Gnel, 1791.

D. VERTICILLATA—Ell, 1821. Swamp Loosestrife or Willow Herb.

LYTHRUM—Lin., 1753.

Rare. Marshy grounds. 1st Ward, July, 1896.

L. SALICARIA—Lin., 1753. Spiked or Purple Loosestrife.
PLANTS OF ONONDAGA COUNTY

MELASTOMACEÆ—R. Br., 1818
Meadow Beauty Fam.

RHEXIA—Lin., 1753.

R. VIRGINICA—Lin., 1753. Meadow Beauty or Deer Grass. Scarce in the one only locality reported. Sandy Swamp, Centerville, Aug., 1880.

ONAGRACEÆ—Dumort—Evening Primrose Fam.

ISNARDIA—Lin., 1753.


LUDWIGIA—Lin., 1753.


CHAMAENERION—Adams, 1763.


EPILOBIUM—Lin., 1753.


E. **ADENOCAULON**—Haussk, 1879. (*Epilobium glandulosum*) Northern Willow Herb. Rare. Reported from Tully.

**ONAGRA**—Adams, 1763.

Frequent. Meadows, etc. Meadow, O. Hutchinson Farm, Onon. Hill, Aug., 1908.

O. **BIENNIS**—Scop. (*Onothera biennis*—*Lin., 1753.*) Common Evening Primrose.

**ONOTHERA**—Lin., 1753.

O. **RHOMBIPETALA**—Nutt, 1840. Large-flowered Evening Primrose.
Rare. Roadside. Escaped from garden. Fairmount, Geddes Farm, July, 1898.

**KNEIFFIA**—Spach, 1835.

K. **FRUTICOSA**—Raimann. (*Onothera fruticosa*—*Lin., 1753.*) Common Sundrop.

K. **PUMILA**—Spach. (*His veg., 1835.*) (*Onothera pumila*—*Lin., 1753.*) Small Sundrop.
Dry, somewhat barren soil. Jamesville, June, 1908.

**GAURA**—Lin., 1753.

Rare here. Frequent on coast of St. Lawrence. Belle Isle, July, 1905.
CIRCAEA.


HALORAGIDACEAE—Kl. & Garcke, 1852
Water Milfoil Fam.

PROSPERINACA—Lin.


MYRIOPHYLLUM—Lin.


ARALIACEAE—Vent, 1799—Ginseng Fam.

ARALIA—Lin., 1753.

Frequent. Rich openings and woods. LaFayette woods, July, 1908.

A. **NUDICAULIS**—Lin. Wild Sarsaparilla.

Frequent. Rocky and sandy places. Jamesville Road.

**PANAX**—Lin., 1753.

*(ARALIA.)*

P. **QUINQUEFOLIA**—Lin., 1753. Ginseng.


**UMBELLIFERAE**—B. Juss—Carrot Fam.

**DAUCUS**—Lin., 1753.

D. **CAROTA**—Lin., 1753. Wild Carrot.
Common. Roadsides, etc. A pernicious weed. Everywhere.

**ANGELICA**—Lin.

A. **ATROPURPUREA**—Lin. Purple-stemmed Angelica.

**OXYPOLIS**—Raf., 1825.

*(Tiedemannia—Dc., 1829.)*

Frequent. Swamps. Poisonous to cattle. Swamp west from Price Place, 1896.
CONOISELLINUM—Hoffm., 1814.


HERACLEUM—Lin., 1753.

H. LANATUM—Michx, 1803. Cow Parsnip.

PASTINACA—Lin., 1753.


THASPIUM—Nutt, 1818.


T. AURIIUM—Nutt, 1818. Meadow Parsnip.
Range same as trifoliatum and varies as much. The extremes of each are difficult to distinguish. Jamesville, Road, 1900.

LIGUSTICUM—Lin., 1753.

L. SCOTICUM—Lin., 1753. Scotch Lovage.
Rare. In Salt Marsh northwest of Iron Pier, Aug., 1909.

SANICULA—Lin., 1753.


PIMPINELLA—Lin., 1753.  
(Zizia.)

P. INTEGERRIMA—A. Gray, 1868.  (Zizia integerrima—D. C., 1830.) Yellow Pimpernel.

EULOPHUS—Nutt, 1829.


WASHINGTONIA—Raf., 1818.  
(Osmorrhiza—Raf., 1818.)

W. CLAYTONI—Britton.  (Osmorrhiza brevistilis—D. C., 1830.) Woolly Sweet Cicily.
Frequent in Woods. Montfredy’s.

W. LONGISTYLIS—Britton.  (Osmorrhiza longistylis—D. C., 1830.) Smoother Sweet Cicily.
Frequent with brevistilis. Indian Reservation, July, 1890.

CONIUM—Lin., 1753.

Frequent. Waste places. Extends over a large territory in every direction. A virulent poisonous herb.
Long Branch, July, 1909.

SIUM—Lin., 1753.

Frequent in very watery swamps. Leaves vary from linear leaflets to submerged finely-dissected ones.
Riegel Swamp, spring, 1909.

S. CARSONI—Durand, 1867. Carson’s Water-parsnip.
Rare. Low water or wet places. Leaves vary from narrow, lanceolate, ovate-toothed to submerged broad lanceolate, ovate deeply-toothed or incised. Swamp west from Institution for Feeble Minded. Aug., 1895.
APIUM—Lin., 1753.

A. PETROSELINUM—Lin., 1753. Common Parsley. Occasional. Roadsides, etc. Escaped from gardens where through cultivation leaves are variously formed from smooth to closely-curled ones. Used for garnishing.


ZIZIA—Koch, 1825.


CARUM—Lin., 1753.


CICUTA.


DERINGA—Adams, 1763.

(CRYPTOTAENIA—D. C., 1829.)


BERULA—Hoffm., 1821.

HYDROCOTYLE—Lin., 1753.

H. UMBELLATA—Lin., 1753. Umbellate Marsh Pennywort. Rare. Swamps. Have only seen few specimens, furnished by L. Underwood, from Indian Reservation. Also Hoyt Farm, July, 1895.


CORNACEÆ—Link, 1831—Dogwood Fam.

CORNUS—Lin., 1753.

C. CANADENSIS—Lin., 1753. Low Cornel, or Bunch Berry. Very common in all woods and swamps.


NYSSA—Lin., 1753.

Rare. Reported by S. Cole, Otisco. I have not found it.

PYROLACE/E—Agardh, 1825—Wintergreen Fam.

PYROLA—Lin., 1753.

P. ROTUNDIFOLIA—Lin., 1753. Round-leaved Pyrola, or Wintergreen.


P. ELLIPTICA—Nutt, 1818. Shin Leaf.
Frequent. Rich woods and newly cleared lands. Jamesville Road, June, 1899.

P. ULIGINOSA—Torr, 1843. (Pyrola rotundifolia var. uliginosa—A. Gray, 1856.) Bog Wintergreen.
Occasional. Swamps, etc. Tamerac Swamp, June, 1904.

P. ASARIFOLIA—Michx, 1803. (P. rotundifolia var. asarifolia—Hook, 1834.) Liverleaf Wintergreen.
Rare. Swamps, etc. Swamp, Jamesville Road, June, 1909.

P. SECUNDA—Lin., 1753. Serrated, or One-sided Wintergreen.
Rare. Thickets. Leach Farm, Centerville.

MONESES—Salisb., 1821.

M. UNIFLORA—A. Gray, 1848. One-flowered Wintergreen.
Rare. Dry woods. Round Top, 1898.

CHIMAPHILA—Pursh, 1814.

C. MACULATA—Pursh, 1814. Spotted Wintergreen.

**MONOTROPACAÉ**—Lindl, 1836—Indian Pipe Fam.  
**MONOTROPA**—Lin., 1753.


**HYPOPITYS**—Adams, 1763.


**ERICACEÆ**—D. C., 1805—Heath Fam.

**LEDUM**—Lin., 1753.


**AZALEA**—Lin., 1753.


**KALMIA**—Lin., 1753.

K. **GLAUCA**—Ait., 1811. Swamp Laurel. Rare. Cold swamps. The only kalmia found here.

**ANDROMEDA**—Lin.


CHAMAEDAPHNE—Moench, 1794.


**EPIGAEA**—Lin., 1753.


GAULTHERIA—L., 1753.


**ARCTOSTAPHYLOS**—Adams, 1763.


**VACCINIACE/E**—Lindl, 1847—Huckleberry Fam.

**GAYLUSSACIA**—H. B. K., 1818.


VACCINIUM—Lin., 1753.

V. MEMBRANACEUM—Dougl., 1834. (*Vaccinium Myrtilloides—Hook, 1834.*) Thin-leaved Bilberry.

V. CORYMBOSUM—Lin., 1753. (*Vaccinium amoenum—Ait, 1759.*) Swamp Blueberry.
Frequent. Swamps. Not enough for commercial purposes. Tamerac Swamp.

V. CANADENSE—Richards, 1823. Canada Blueberry.

V. PENNSYLVANICUM—Lam., 1783. Dwarf Blueberry.
Rare here; abundant in Adirondacks. Otisco. S. Cole.

Occasional. Dry places. Round Top, 1897.

V. PALLIDUM—Ait., 1789. Mountain Blueberry.

Rare. Dry, elevated grounds. Otisco Hill, May, 1897.

CHIOGENES—Salisb., 1815.


OXYCOCCUS—Hill, 1796.


Rare. Cold swamps. Howlett Swamp, June, 1895.

PRIMULACEÆ—Vent, 1799—Primrose Fam.

HOTTONIA.

H. INFLATA—Ell., 1817. American Feathertail.

SAMOLUS.


LYSIMACHIA—Lin., 1753.


STEIRONEMA.


S. QUADRIFLORUM. (Steironema longifolium—A. Gray, 1776.) Linear-leaved Loosestrife. Frequent near lakes and streams. Maple Bay, June.

NAUMBURGIA.

TRIENTALIS—Lin., 1753.

T. AMERICANA—Pursh, 1814. Star-flower.
Frequent. Cool woods and thickets. Grove near Cazenovia.

ANAGALLIS—Lin., 1753.

Also Poor Man's Weather Glass, closing at approach of rain.
Uncommon. Driveway of Mrs. A. Morton, Gertrude Street, Syracuse.

OLEACEÆ—Lindl, 1830—Olive Fam.

FRAXINUS—Lin., 1753.


F. LANCEOLATA—Borch, 1800. (*Fraxinus viridus—Michx, 1813.*) Green Ash.

Frequent. Low woods. Fairmount, May, 1898.


LIGUSTRUM—Lin., 1753.

L. VULGARE—Lin., 1753. Privet, or Prim.

GENTIANACEÆ—Dumort, 1829—Gentian Fam.

ERYTHRAEA—Neck, 1790.

PLANTS OF ONONDAGA COUNTY

Rare. Roadside and open field near Phoenix, Aug., 1910.

SABBATIA—Adams, 1763.

S. ANGUSTIFOLIA—Britton. (S. brachiata—Ell, 1817.) Narrow-leaved sabbatia.
Rare. Phoenix Road, 1892.

Rich thickets, South Onondaga, 1889.

S. CAMPANULATA—Torr., 1824. (S. gracilis.) Slender Marsh Pink.
Rare. Onon. Salt Marsh, 1893.

GENTIANA—Lin., 1753.

G. CRINITA—Froel, 1796. Fringed Gentian.

Rare. Wet places. Kimber Spring Lot.

Rare. Oneida Lake shore, Selkirk, Sept., 1910.

Rare. Moist woods. Apulia, Sept., 1895.


I found in Adirondacks near Lake Oswegatchie.

TETRAGONANTHUS—S. G. Gmel., 1769.

T. DEFLEXUS—Kuntze. (Halenia deflexa—Griseb.) Spurred Gentain.
Rare. Reported by mem. S. B. C. near Cicero Swamp, also Otisco, by S. Cole.

MENYANTHACEAE—G. Don, 1837—Buck Bean Fam.

MENYANTHES—Lin., 1753.

APOCYNACEÆ—Lindl, 1836—Dogbane Fam.

VINCA—Lin., 1753.


APOCYNUM—Lin., 1753.


ASCLEPIADACEÆ—Lindl, 1836—Milkweed Fam.

ASCLEPIAS—Lin., 1753.


A. OBTUSIFOLIA—Michx, 1753. Blunt-leaved Milkweed. Infrequent. Sandy thickets. South Onondaga and Dr. Hoyt's Farm, June, 1885. Mary Leach.


ACERATES—Ell., 1817.

A. *VIRIDIFLORA*—Eaton, 1829. Green Milkweed. Rare. Sandy or rocky places. Local. Dr. Hoyt's Farm, M. Leach, 1890.

CYNANCHUM—Lin., 1753.

C. *NIGRUM*—Pers., 1805. (*Vincetoxicum nigrum*—Moench, 1794.) Black Swallowwort. Rare. Said to have escaped but was found on Round Top, 1897, Mrs. H. White; and Baldwinsville, 1900, by Rev. Wm. Beauchamp.

CONVOLVULACEÆ—Vent, 1799—Morning Glory Fam.

IPOMEA—Lin.


CONVOLVULUS.


Cuscutaceæ—Dumort, 1829—Dodder Fam.

Cuscuta—Lin.


Polemoniaceæ—D. C., 1805—Phlox Fam.

Phlox—L., 1753.


P. Subulata—Lin. Ground, or Moss Pink. Rare. Dry, sandy, or rocky places. Sand Hill and Calthrop Grove, May.

Polemonium—Lin.


**HYDROPHYLLACEÆ—Lindl, 1836.**

**HYDROPHYLLUM—Lin., 1753.**


**PHACELIA—Juss, 1789.**

P. Dubia—Small. *(Bull. Torr. Club, 1894.)* *(P. parviflora—Pursh, 1814.)* Small-flowered Phacelia. Very rare. I received P. parviflora from Georgia March 3, 1891. Years later, Oct., 1903, found it abundant, covering the top of flat limestones in woods east from Jamesville. Locality spread over an area of perhaps fifty rods or more, and a much smaller quantity the following spring. The only known locality north of Penn. L. L. G.

**BORAGINACEÆ—Lindl, 1836—Borage Fam.**

**CYNOGLOSSUM—Lin.**


LAPPULA—Moench, 1794.


**MYOSOTIS**—Lin., 1758.


M. **ARvensis**—Lam., 1788. Field Mouse Ear. Infrequent. Fields, etc. Oakwood, June, 1891.


**LITHOSPERMUM**—Lin., 1753.


ONOSMIDIUM—Michx, 1803.

O. CAROLINIANUM—D. C., 1846. (Lithospermum Caro-
linianum.) Shaggy False Gromwell.

O. VIRGINIANUM—D. C., 1846. Vir. False Gromwell.
Rare. Range with the former. Differs in its entire
and blunt pointed leaves and appressed, stiff bristles.
Jamesville, 1899.

SYMPHYTUM—Lin., 1753.

Common. Roadside and along streams. Taunton,
Split Rock, summer, 1907.

BORAGO—Lin.

B. OFFICINALIS—Lin. Borage.
Common, cultivated. Rare, escaped. Never spontane-
ous.

LYCOPSIS—Lin., 1753.

L. ARVENSIS—Lin. Small Bugloss.
Rare. Fields, etc. Only reported in waste ground in
City limits, July, 1901.

ECHIUM—Lin.

Frequent. Dry, waste grounds. University Campus,
July, 1882.

VERBENACEÆ—J. St. Hill, 1805—Vervain Fam.

VERBENA—Lin., 1753.

Rare. Old fields and cultivated grounds. Wm.
Roberts’ Barnyard, 1880.

V. URTICIFOLIA—Lin. White Vervain.
Frequent. Fields and waste places. Goodrich Barn-
yard, Aug., 1900.
V. HASTATA—Lin., 1753. Blue Vervain.

V. ANGUSTIFOLIA—Michx, 1803. Narrow-leaved Vervain.
Frequent. Range same as two former. Very varied through hybridizing with other vervains. June—Aug.

LABIATEÆ—B. Juss, 1759—Mint Fam.

AJUGA—Lin., 1753.

Rare. Fields and waste grounds. C. M. Crouse Lot, June, 1890. M. Leach.

TEUCRIUM—Lin.


TRICHOSTEMA—Lin.


SCUTELLARIA.

S. LATERIFLORA—Lin. Mad Dog Skullcap.
Frequent. Wet grounds. Tully, Aug., 1895.

S. INCANA—Muhl., 1813. (Scutellaria canescens—Nutt, 1818.) Downy Skullcap.
Frequent. Moist woods and thickets. Hutchinson Farm, Onon. Hill, July, 1898.

S. INTEGRIFOLIA—Lin. Larger Hyssop Skullcap.
Frequent. Rich woods and openings. Oakwood, June, 1907.

S. PARVULA—Michx, 1803. Small Skullcap.
Frequent. Sandy hillsides. Primrose Hill, June, 1885.

Common. Low, wet places. Swamp, Maple Bay, July, 1899.

**MARRUBIUM**—Lin., 1753.


**AGASTACHE**—Clayt., 1752. *(Lophanthus.)*


**MEEHANIA**—Britton. *(Bull. Torr. Club, 1894.)*


**NEPETA**—Lin., 1753.


**GLECOMA.**


**DRACOCEPHALUM**—Lin.

PRUNELLA—Lin., 1753.

(Brunella.)


PHYSOSTEGIA—Benth., 1834.


PHLOMIS—Lin., 1753.


GALEOPSIS—Lin., 1753.


LEONURUS—Lin., 1753.


LAMIUM—Lin., 1753.


L. **ALBUM**—Lin., 1753. White Dead Nettle.  
Common in dooryards. Varies. With the three in Goodrich garden. Summer, 1898.

**BALLOTA**—Lin., 1753.

B. **NIGRA**—Lin., 1753. Black, or Fetid Hoarhound.  

**STACHYS**—Lin., 1753.

S. **HYSSOPIFOLIA**—Michx, 1803. Hyssop Hedge Nettle.  
Rare. Wet, sandy places. Pleasant Beach, July, 1907.

S. **TENUIFOLIA**—Willd., 1801. Smooth Hedge Nettle.  


S. **ASPERA**—Michx, 1803. Rough Hedge Nettle, or Woundwort.  
Common. Wet grounds. South from Otisco Lake.

**MONARDA**—Lin., 1753.


M. **FISTULOSA**—Lin. Wild Bergamot.  
Frequent. Dry woods. Very variable and widely distributed. Jamesville Road, July, 1899.

M. **PUNCTATA**—Lin., 1753. Horsemint.  
Infrequent. Sandy grounds. Centerville, July, 1898.

**HEDEOMA**—Pers., 1807.

MELISSA—Lin., 1753.

CLINOPODIUM—Lin., 1753.
(CALAMINTHA—Moench, 1794.)


HYSSOPUS—Lin., 1753.


ORIGANUM—Lin.


KOELLIA—Moench., 1794.


LYCOPUS—Lin., 1753.


L. **EUROPAEUS**—Lin., 1753. Gipsywort. Infrequent. Difficult to draw lines between this and L. sessilifolius. I am inclined to consider them the same, but better authority separates them. Long Branch and Tully, Aug., 1895.

**MENTHA**—Lin., 1753.


**COLINSONIA—Lin., 1753.**


**SOLANACEÆ—Pers, 1805—Potato Fam.**

**PHYSALIS—Lin., 1753.**


**SOLANUM—Lin., 1753.**


**LYCIUM—Lin., 1753.**


**HYOSCYAMUS—Lin., 1753.**

H. **NIGER—Lin., 1753.** Black Henbane. Rare. Escaped from gardens to roadside. Summer.

**DATURA—Lin., 1753.**

D. **TATULA**—Lin., 1753. Purple Stramonium. Rare. Several specimens between waterway and mill, Orville. Also near pine grove. Introduced. Orville, June, 1905.

**NICOTIANA**—Lin., 1753.


**SCROPHULARIACEÆ**—Lindl, 1826—Figwort Fam.

**VERBASCUM**—Lin., 1753.


V. **BLATTARIA**—Lin., 1753. Moth Mullen. Frequent. Fields and waste, stony places. Same range as V. thapsus.

**CYMBALARIA**—Medic., 1791.


**LINARIA**—Juss., 1789.


**ANTIRRHINUM**—Lin.

SCROPHULARIA.


CHELONE—Lin., 1753.


PENTSTEMON.


MIMULUS—Lin., 1753.


GRATIOLA—Lin., 1753.

VERONICA—Lin., 1753.


LEPTANDRA—Nutt., 1818.


DASYSTOMA—Raf., 1819.


DIGITALIS.

D. PURPUREA—Lin., 1753. Purple Fovglove.

GERARDIA—Lin., 1753.

G. PURPUREA—Lin., 1753. Large Purple Gerardia.
Rare. Low, moist places. Variable. Shore Oneida Lake, Aug., 1898.

Rare. Salt Marsh, north from Salt Mill, 1st Ward, July, 1908.

Frequent. Low, or dry grounds. Kimber Woods, Aug., 1907.

CASTILLEJA—“Mutis.”

C. COCCINEA—Spreng. Scarlet-painted Cup. Indian Paint Brush.
Rare. Sandy soil and meadows. Indian Reservation, May 27, 1897.

PEDICULARIS—Lin., 1753.

P. LANCELOTA—Michx, 1803. Swamp Lousewort.

MELAMPYRUM—Lin.


LENTIBULACEÆ—Lindl, 1847—Bladderwort Fam.

UTRICULARIA.


OROBANCHACEÆ—Lindl, 1836.

THALESIA—Raf., 1818.

(APHYLLON—A. Gray, 1848.)


CONOPHOLIS—Wallr., 1825.

LEPTAMNIUM—Raf., 1818.

(EPIPHEGUS—Nutt., 1818.)

L. VIRGINIANUM—Raf., 1878. (Epiphegus Virginiana—Bart, 1818.) Beechdrops.

ACANTHACEÆ—J. St. Hill, 1805—Acanthus Fam.

DIANTHERA—Lin., 1753.

D. AMERICANA—Lin., 1753. Dense Water Willow.
Frequent. Shores of Lakes. South Bay, Oneida Lake, July, 1901.

PHRYMACEÆ—Schauer, 1847—Lopseed Fam.

PHRYMA—Lin., 1753.

P. LEPTOSTACHYA—Lin., 1753. Lopseed.

PLANTAGINACEÆ—Lindl, 1836—Plantain Fam.

PLANTAGO—Lin., 1753.

P. MAJOR—Lin., 1753. Common, or Greater Plantain.

P. RUGELII—D. C., 1852. Rugel's Plantain.
Most common species of Plantain we find. Fields, roadsides and waste places. Summer, 1910.


Rare. Biennial. Salt lands, 1890; now covered with Solvay refuse.


**Rubiaceae**—B. Juss, 1759—Madder Fam.

**Houstonia**—Lin., 1753.


**Cephalanthus**—Lin., 1753.


**Mitchella**—Lin., 1753.


**Galium**—Lin., 1753.


**CAPRIFOLIACEÆ,** Vent, 1799—Honeysuckle Fam.

**SAMBUCUS**—Lin., 1753.


**VIBURNUM**—Lin., 1753.


V. **NUDUM**—Lin., 1752. Larger White Rod. Rare. Swamps. Similarity to cassinoides, striking enough to easily consider them one. Centerville, June, 1909.


**TRIOSTEUM.**


**LINNAEA—**Lin., 1753.


**SYMPHORICARPOS—**Juss, 1789.


S. SYMPHORICARPUS — Mac M. (Bull Torr Club, 1892.)
(Symphoricarpus vulgaris — Michx, 1803.) Coralberry. Indian Currant.
Rare. Monroe Woods, Camillus, July, 1902.

LONICERA—Lin.

L. CAPRIFOLIUM—Lin., 1753. (Lonicera grata—Ait, 1789.)
Perfoliate Honeysuckle.
Rare. Thickets and rocky woods. Jamesville, June, 1899.


L. DIOICA—Lin., 1767. (Lonicera parviflora—Lam., 1783.)
Glancus Honeysuckle.
Frequent. Rocky places. Jamesville Road, June, 1899.

L. SULLIVANTII—A. Gray, 1883. Sullivant’s Honeysuckle.
Rare. Questionable. In S. B. C., Herbarium.

Frequent. Wet grounds. Tamerac Swamp, June, 1895.

L. CILIATA—Muhl, 1813. Fly Honeysuckle.

L. GLAUCA—Hill, 1769. Smooth Honeysuckle.
Frequent. Wet, swampy grounds. Riegals Swamp, May, 1899.

DIERVILLA—Mac M., 1892.

Frequent. Dry or rocky woodlands. Jamesville Road, June, 1898.

VALERIANACEAE—Batsch, 1802—Valerian Fam.

VALERIANA—Lin., 1753.

V. SYLVATICA—Banks, 1823. Wood Valerian.
Occasional. Wet soil, etc. Tamerac opens, summer, 1907.
V. **OFFICINALE**—Lin., 1753. Garden Valerian, or All-Heal, etc.
Frequent. Escaped from gardens. G. wild flower garden, summer.

**VALERIANELLA**—Poll., 1776.

V. **LOCUSTA**—Bettke, 1820. European Corn Salad.
Rare. Waste places. Often cultivated.

**DIPSACEÆ**—Lindl, 1847—Teasel Fam.

**DIPSACUS**—Lin., 1753.

D. **SYLVESTRIS**—Huds., 1762. Common Wild Teasel

D. **FULLONUM**—Lin., 1753. Fuller's Teasel.
Cultivated for use to raise a nap on cloth in woolen mills. Frequently escapes to roadsides and about mills. Skaneateles and Marcellus, July, 1908.

**CUCURBITACEÆ**—B. Juss, 1759—Gourd Fam.

**MICRAMPELIS**—Raf., 1808.

*(ECHINOCYSTILIS—T. & G., 1840.)*

Common. Waste places, along streams, etc. Goodrich wild flower garden, summer.

**SICYOS**—Lin., 1753.

S. **ANGULATUS**—Lin. One-seeded Bur-cucumber.
Frequent. Banks of streams. Goodrich garden.

**CAMPANULACEÆ**—Juss, 1789—Bell-flower Fam.

**CAMPANULA.**

Frequent. Lime rocks and in meadows. Jamesville, summer, 1899.


**LEGOUZIA**—Durand, 1782.

*(SPECULARIA—Heist., 1830.)*


**LOBELIA**—Lin., 1753.


**CICHORIACEÆ—Reichenb, 1831—Chickory Fam.**

**CICHORIUM**—Lin., 1753.

PLANTS OF ONONDAGA COUNTY

ADOPOGON—Neck., 1790.

(KRIGIA—Schaeb., 1791.)


(Krigia Virginica—Willd., 1894.) Carolina Dwarf Dandelion.
Rare. South Bay, July, 1885.

LEONTODON—Lin., 1753.

L. AUTUMNALE—Lin., 1753. Fall Dandelion.

Rare. Waste places, dump grounds. Salina, summer, 1905.

TRAGOPOGON—Lin., 1753.

Infrequent. Fields, etc. Vacant lot, east from city, summer, 1909.

Frequent. Fields, roadsides, etc. Court Street, First Ward, Syracuse.

TARAXICUM—Hall, 1768.


Frequent. Confounded with the former, with which it is found. Habits the same. Summer, 1910.

SONCHUS—Lin., 1753.


LACTUCA—Lin., 1753.


CREPIS—Lin., 1753.


HIERACIUM—Lin., 1753.


NABALUS—Cass, 1825.


AMBROSIA/E—Reichenb, 1828—Ragweed Fam.

AMBROSIA.


XANTHIUM—Lin., 1753.


COMPOSITE/E—Adams, 1763—Thistle Fam.

VERNONIA—Schreb.


EUPATORIUM—Cass, 1816.


**LACINARIA**—Hill, 1762.

*(LIATRIS—Schreb., 1791.)*

L. **SCARIOSA**—Hill, 1762. *(Liatris scariosa—Willd, 1804.)* Large Button Snakeroot. Rare. One locality only as yet. Foot of Indian Hill, Reservation, Aug., 1899.


**SOLIDAGA**—Lin., 1753.


S. MACROPHYLLA—Pursh., 1814. Large-leaved Goldenrod.  

S. STRICTA—Ait., 1789. Wand-like, or Willow-leaf Goldenrod.  
Frequent. Sandy soil. Centerville, Sept., 1900.

S. SEMPERVIRENS—Lin., 1753. Seaside Goldenrod.  

S. ODORA—Ait., 1789. Anise-scented Goldenrod, or Blue Mountain Tea.  

S. RUGOSA—Mill., 1768. (Solidago altissima—Ait., 1789.) Wrinkle-leaved Goldenrod.  

S. PATULA—Muhl., 1804. Spreading Goldenrod.  
Common. Swampy grounds. Valley Road, Sept., 1908.


S. JUNCEA—Ait., 1789. Sharp-toothed Goldenrod.  
Frequent. Dry fields and banks of streams. One of our earliest Goldenrods. Goodrich Garden, July, 1907.


S. SEROTINA — Ait., 1789. (Solidago gigantea — Willd, 1804.) Late Goldenrod.  

S. **NEMORALIS**—Ait., 1789. Gray Goldenrod, or Dyer’s Weed.

S. **RIGIDA**—Lin., 1753. Stiff Goldenrod.

S. **OHIOENSIS**—Riddell, 1835. Ohio Goldenrod.

**EUTHAMIA**—Nutt., 1818.

E. **GRAMINIFOLIA** — Nutt., 1818. (*Solidago lanceolata.*) Fragrant Goldenrod.


**SERICOCARPUS**—Nees, 1833.

S. **LINIFOLIUS**—B. S. P. Narrow-leaved, White-topped Aster.

Frequent. Dry grounds. Otisco, July, 1895.

**ASTER**—Lin., 1753.

A. **DIVARICATUS**—Lin., 1753. (*Aster corymbosus*—Ait., 1789.) White Wood Aster.

A. **TENEBROSUS**—Burgess. Long-leaved Wood Aster.
With divaricatus of which considered a variation. Brittain gives it the specific name tenebrosum. Rays occasionally pink. Elmwood, Sept., 1910.

A. **GLOMERATUS**—Bernh., 1832. Bernhardi’s Aster.


A. **MULTIFORMIS — “Burgess.” (Brit.)** Various-leaved Aster. Frequent. This and A. violaris, also A. ianthinus, have been looked upon as hybrids. According to Britton, they are given especially specific names.


A. **ACUMINATUS**—Michx, 1803.

A. **PTARMOICOIDES**—T. & G. Upland Aster.

A. **DUMOSUS**—Lin., 1753. Bushy Aster.


A. **PANICULATUS**—Lam., 1783. Tall, Paniced Aster.

A. **TRADESCANTI**—Lin., 1753. Tradescant’s Aster.

A. **ERICOIDES**—Lin., 1753. White Heath Aster.

A. **PRINGLEI**—Britton. (*Aster ericoides var. Pringlei*—A. Gray, 1884.) Pringle’s Aster.

A. **LATTERIFLORUS**—Britton. (*Aster miser*—Nutt., 1818.)

A. **VIMINEOUS**—Lam., 1783. Small White Aster.

A. **MULTIFLORUS**—Ait., 1789. Dense-flowered Aster.

A. **TENUIFOLIUS**—Lin., 1753. Perennial Salt Marsh Aster.

**ERIGERON**—Lin., 1753.

E. **PULCHELLUS**—Michx, 1803. *(Erigeron bellidifolius—Muhl., 1804.* Robin's Plantain.


E. **ANNUUS**—Pers., 1807. Sweet Scabious, or Daisy Fleabane.


**LEPTILON**—Raf., 1818.


**DOELLINGERIA**—Nees., 1832.

D. **UMBELLATA**—Nees., 1832. *(Diplopappus umbellatus—Hook, 1834.*) Tall Flat-top White Aster.
Moist places. Shackleton Point, July, 1895.

D. **INFIRMA**—Greene. *(Pittonia, 3-52, 1896.*) *(Aster infirmus—Michx, 1803.*) Cornel-leaved Aster.
Frequent. Roadside, etc. Valley Road, Sept., 1909.

**IONACTIS**—Greene, 1897.

GIFOLA—Cass, 1819.


PLUCHEA—Cass, 1817.


ANTENNARIA—Gaertn., 1791.


ANAPHALIS—D. C., 1837.


GNAPHALIUM—Lin., 1753.


G. **PURPUREUM**—Lin., 1753. Purplish Cudweed. 
Frequent. Sandy or gravelly soil. R. R. Track, near Brittain’s Woods, June, 1899.

**INULA**—Lin., 1753.

I. **HELENIUM**—Lin., 1753. Elecampane. 

**POLYMNIA**—Lin., 1753.

P. **UVEDALIA**—Lin., 1753. Large-flowered Leaf-cup. 

P. **CANADENSIS**—Lin., 1753. Small-flowered Leaf-cup. 

**HELIOPSIS**.

H. **HELIANTHOIDES**—B. S. P. (*Prel. Cat., N. Y., 1888.*) 
(*Heliopsis laevis—Pers., 1807.*) False Sunflower. 

H. **SCABRA**—Dunal., 1819. Rough, False, or One-eye Sunflower. 

**RUDBECKIA**—Jacq., 1763.

R. **HIRTA**—Lin., 1753. Black-eyed Susan, or Yellow Daisy. 

R. **LACINIATA**—Lin., 1753. Tall Green-headed Coneflower. 

**BRAUNERIA**—Neck., 1890.

(*ECHINACEAE—Moench., 1794.*)

Rare. Only species found in Centerville, Aug., 1894.
HELIANTHUS—Lin., 1753.


VERBESINA—Lin., 1753.


BIDENS—Lin., 1753.

B. LAEVIS—B. S. P. (Prel Cat., N. Y., 1888.) (Bidens Chrysanthemoides—Michx, 1803.) Large Burr Marigold.


HELENIUM—Lin., 1753.


ACHILLEA—Lin., 1753.


**ANTHEMIS**—Lin.


**CHRISANTHEMUM**—Lin., 1753.

C. **LEUCANTHEMUM** — Lin., 1753. Margaret, or Ox-eye Daisy.

Very common. Troublesome weed to farmers, though much used for decorations. A form with tubular rays found in Cazenovia, July, 1909, and Onon. Valley same year, and Jamesville last June, given the name “tubuliflorum” by Linney. Name not mentioned by Brit. or Gray. Specimens in my possession seem well worthy a name.


Common. Cultivated and escaped. Roadside, Fairmount, summer, 1908.

**MATRICARIA**—Lin., 1753.


**TANACETUM.**


**ARTEMISIA**—Lin., 1753.


A. **Abrotanum**—Lin., 1753. Southernwood.  

Rare. Gravel bank of D. L. & W. near Howlett Gorge, Sept., 1895.

A. **Vulgaris**—Lin., 1753. Common Mugwort, or Motherwort.  

**Tussilago**—Lin.

Frequent. Moist places. Roadsides, etc. First flower of spring. Burnet St., Apr., 1894.

**Petasites**—Gaertn.

P. **Palmata**—A. Gray, 1876. Palmate-leaved Sweet Colt's-foot.  
Frequent. Swamps and along streams. Mill Race, Orville, May, 1909.

**Synosma**—Raf., 1832.

S. **Suaveolins**—Raf., 1832. (*Cacalia suaveolins*—Lin., 1753.) Sweet-scented Indian Plantain.  
Rare. Roadside, etc. Marcellus Road, Sept., 1908.

**Senecio**.


S. **Balsamitae**—Muhl., 1804. (*Senecio aurens var. balsamitae*—T. & G., 1843.) Balsam Groundsel.  
Common. Rock Cut, June, 1905.
Common. Swamps. Tamerac, June, 1907.


ARCTIUM—Lin., 1753.

A white variety found.

A. LAPPA—Lin., 1753. (Lappa major—Gaertn., 1802.)
Great Burdock.

Common. Waste places. By Vinney Barn, Willow St.,
summer, 1910.

CARDUUS—Lin., 1753.

Common. Pastures, roadsides, etc. Onon. Valley, Aug.,
1900.

C. ALTISSIMUS — Lin., 1753. (Cnicus altissimus — Willd,
1804.) Tall, or Roadside Thistle.
Common. Clearings. Around old stumps. Collins Lot,
June, 1900.

C. DISCOLOR—Nutt., 1818. (Cnicus altissimus var. dis-
color—A. Gray, 1883.) Field Thistle.
Frequent. Fields, etc. Wild Flower Garden, Sept.,
1908.

C. ODORATUS—Porter. (Mem. Torr Club, 1894.) (Cnicus
pumilus—Torr., 1826.) Fragrant Thistle.
Frequent. Old pastures. Tully Pasture, July, 1898.
C. **Muticus**—Pers., 1807. (*Cnicus muticus*—*Pursh, 1814.*)  
Swamp Thistle.  
Common. Swamps and banks of streams. Pleasant Beach, July, 1898.

C. **Arvensis**—Robe, 1777. (*Cnicus arvensis*—*Hoffm., 1804.*)  
Canada Thistle.  
Fungi

Agaricus.

Ed. A. abruptus—Pk.
Ed. A. campestris—Linn.
Ed. A. hemorrhoidarius—Shulzer. Flesh turns red when broken.
Ed. A. magnificus—Pk.
Ed. A. placomyces—Pk.
Ed. A. sylvaticus—Schaeff.

Amanita.

P. A. alba.
Ed. A. candida—Pk. I shun all amanitas.
P. A. phalloides—Fr. Deadly poison.
P. A. phalloides var. citrina—Pers. .
P. A. phalloides var. viridis—Pers.
P. A. spreta—Pk..

Amanitopsis—Ruze.

Ed.? A. livida—Pers.
Ed.? A. vaginata—Ruze. Strongly resembles Aminita Spreta..
Ed.? A. volata—Pk. All three Amanitopsis considered edible by some, but cautiously I reject all three.

Anellaria—Karst.

Ed. A. separata—Karst.

Amillaria—Fr.

Ed. A. mellea var. obscura—McIlvaine.
Ed. A. mellea var. glabra—McIlvaine.

Boletinus—Kalchb..

Ed. B. pictus—Pk. Excellent.
Ed. B. porosus—Berk.
BOLETUS.

Ed. B. Americanus—Pk.
Ed. B. castaneus—Bull.
Ed. B. Chrysenteron—Fr. Eat caps only.
Ed. B. crassipes—Pk.
Ed. B. edulis—Bull.
Ed. B. edulis var. clavipes—Pk.
Ed. B. felleus—Bull. (Very bitter).
Ed. B. gracilis—Pk.
Ed. B. granulatus—L.
Ed. B. purpureus—Fr.
P. B. satanus—Lenz. Rare. Poisonous.
Ed. B. scaber—Fr. Eat caps only.
Ed. B. speciosus—Frost.
Ed. B. subaureus—Pk. Superior.
    B. subglabripes—Pk.
Ed. B. subtomentosus—L.

CALVATIA.

Ed. C. craniliformis—Schw.
Ed. C. cyathiformis—Base.

CANTHARELLUS.

Ed. C. brevipes—Fr. Cook half hour.
Ed. C. cibarius—Fr. Flavor of apricot.

CLAUDOPUS—Pers.

Ed. C. nidulans—Pk. Edible, but not desirable flavor.

CLAVARIA—Lin.

Ed. C. amethystina—Bull. Chop fine; stew one hour.
Ed. C. cristata—Pers.
Ed. C. flava—Schaeff. Not poisonous, but rank.
Ed. C. formosa—Pers.
Ed. C. pistillaria—Lin.

CLITOCYBE—Fr.

Ed. C. Adirondackensis.
Ed. C. CYATHIFORME—Bull.
P. C. ILLUDENS—Schw.
Ed. C. INFUNDIBULIFORMIS—Schaef.
Ed. C. LACCATA—Scop.
Ed. C. MONADELPHA—Morg.
Ed. C. MULTICEPS—Pk.

CLITOPILIS.

Ed. C. ABORTIVUS. B. & C.
C. TOMENTOSIPES.

COLLYBIA—Fr.

Ed. C. ACERVATA—Fr.
Ed. C. CONFLUENS—Pers.
Ed. C. DRYOPHILA—Bulll.
Ed. C. PLATYPHILLA—Fr.
Ed. C. RADICATA—Relh.
Ed. C. VELUTIPES—Curt.
Ed. C. ZONATA—Pk.

COPRINUS.

Ed. C. ATRAMENTARIUS—Fr. Excellent.
Ed. C. COMATUS—Fr. Shaggy Mane.
Ed. C. CONGREGATUS—Fr.
Ed. C. FUSCESENS—Fr. Dr. Wynkoop's ground, Aug., 1911. L. L. G.
Ed. C. MICACEUS—Fr.

CONTINARIUS—Fr.

Ed. C. CAERULESCENS—Fr.
Ed. C. CINNABARINUS—Fr. Gills dark red when bruised.
Ed. C. INTRUSUS—Pk.
Ed. C. LILACENUS—Pk. Excellent.
C. MULTIFORMIS.
Ed. C. SANGUINEOUS—Fr.
Ed. C. SANGUINEOUS VAR. SEMISANGUINEOUS — Pk.
    Flavor of radish.
Ed. C. SULPHUREUS.
CRATERELLUS—Fr. Ed. C. CANTHARELLUS—Schw.

CREPIDOTUS—Fr. Ed. C. FULVO-TOMENTOSUS—Pk.


ECCILIA. E. ATRIDES.


FAVOLUS. Not Good. F. CANADENSIS—Pk.


FLAMMULA—Fr. Ed. F. HYBRIDA—Fr. Bitter properties eliminated through cooking.

GALERA—Fr. Ed. G. TENERA—Schaeff.


HELVETTA—Lin.

Ed. H. ADHERENS.
Ed. H. ELASTICA—Bull.
Ed. H. GRACILIS—Bull.

HYDNUM.

Ed. H. ALBIDUM—Pk.
Ed. H. CAPUT MEDUSA—Bull.
Ed. H. CAPUT URSI—Fr.
Ed. H. CORALLOIDES—Scop.
Ed. H. REPANDUM—L.
Ed. H. RUFESCENS—Pers.

HYGROPHORUS.

Ed. H. COCCINEUS—(Schaef)—Scarlet Fungi.
Ed. H. CONICUS—Fr. Not very good.
Ed. H. PRATENSIS—Fr. Cooked very slow, will be tender.
Ed. H. MINIATUS—Fr.
Ed. H. NITIDUS—B. & Rav.

HYPOHLOMA—Pk.

Ed. H. APPENDICULATUM—Bull.

H. INCERTUM—Pk.
Ed. H. PERPLEXUM—Pk. Its resemblance to bitter species is to students perplexing.

LACTARIUS—Fr.

Ed. L. CHELIDONIUM.
Ed. L. DELICIOSUS—Fr.
Ed. L. DISTANS—Pk. Not desirable.
Not Good. L. PIPERATUS—Fr. Very peppery.

L. SUBPURPUREUS—Pk.
P. L. TORMINOSUS—Fr.
Not Good. L. TURPIS—Fr.
Ed. L. VOLEMUS—Fr.
LENTINUS—Fr.

Ed. L. LEPIDENS—Fr. Both tough, though nourishing.
Ed. L. TIGRINUS—Fr.

LENTODIUM.

L. SQUAMULOSUM—Morg.

LEOTIA—Hill.

Ed. L. LUBRICA—Pers.

LEPIOTA—Fr.

Ed. L. CRISTATA—A. & S.
Ed. L. FRIESII—Lasch.
Caution. L. NAUCINA—Fr. Resembles Amanita phalloides.
Ed. L. NAUCINOIDES—Pk.
   L. MEDIAFLORA.
Ed. L. PROCERA—Scop. "Eat caps only."
   L. SUBROTINCTA.

LYCOPERDON—Tourn.

Ed. L. GIGANTEUM—Batsch. Excellent.
Ed. L. GLABELLUM—Pk. Fine.
Ed. L. PYRIFORME—Schaeff. Fine.

MARASMIUS—Fr.

Ed. M. OREADES—Fr.
   M. SICCUS.

MORCHELLA—Dill.

Ed. M. ANGUSTICEPS—Peck.
Ed. M. CONICA—Pers.
Ed. M. DELICIOSA—Fr.
Ed. M. ESCULENTA—Pers.
Ed. M. SEMILIBERA—De.
MUTINUS—Fr.
M. CANINUS—Fr. Pronounced good by McIlvaine, but from general appearance I should reject.

MYCENA—Fr.
Ed. M. HAEMATOPA—Pers.
M. LEUANA.
M. PELIANTHINS.
M. SANGUMOLENTA.

NOLANEA—Fr.
N. EUCHLARA—Karst.

PANEOLUS—Fr.
P. SOLIDIPES—Pk.
P. CAMPANULATUS—Linn. Caution advised.

PANUS—Fr.
Ed. P. BETULINUS—Pk. Rare. On birch.
Ed. P. STRIGOSUS—B. & C. Eat very young.

PAXILLUS—Fr.
Not Good. P. INVOLUTUS—Fr.

PEZIZA—Linn.
Ed. P. AURANTIA—Pers.
Ed. P. BADIA—Pers.
Ed. P. COCCINEA—Jacq.

PHALLUS—Mich.
P. P. IMPUDICUS—Linn. Very offensive.

PHOLIOTO—Fr.
Ed. P. ADIFOSA—Fr. Peel before using.
P. AURIVELLA—Batsch. Rare. Not recommended.
Ed. P. DURA—Bolt.
Ed. P. _Praecox—Pers._ Caps only good.
Ed. P. _Squarrosa—Muhl._
Ed. P. _Subsquarrosa—Fr._
Ed. P. _Sylvestris—Mull._
   P. _Vermiflua_—?—(F. Wheeler.)

**PILOSACE—Fr.**

Small. P. _Eximius—Pk._

**PLEUROTUS—Fr.**

Ed. P. _Eunomus—Berk._ Fry in egg and crumbs.
Ed. P. _Ostreatus—Jacqs._
Ed. P. _Salignus—Schwa._
Ed. P. _Sapidus—Kalchb._
Ed. P. _Ulmarius—Bull._ Must be eaten very young.

**PLUTIUS.**

Ed. P. _Cervinus—Schaeff._
Ed. P. _Cervinus Var. Alibipes—Schaeff._
Ed. P. _Admirabilis—Pk._
Ed. P. _Admirabilis, Var. Fuscus—Pk._
Ed. P. _Pellitus—Fr._

**POLYPORUS.**

Not Fleshy. P. _Applanatus—Fr._
Not Fleshy. P. _Gilvus—Mor._
Not Fleshy. P. _Perennis._
Not Fleshy. P. _Polyporus Picipes—Fr._
Not Fleshy. P. _Radicatus—M._
Not Fleshy. P. _Squamosus—Fr._
Ed. P. _Sulphureus—Fr._ Fine, if cooked a long time.

**PSATHYRELLA—McIl.**

P. _Gracilis—Pk._
Ed. P. _Gracioides—Pk._

**RUSSULA—Pers.**

Ed. R. _Aurata—Fr._ Flavor of cherry bark.
Ed. R. **BREVITES**—Pk.

Ed. R. **CYANOXANTHA**—Fr.

Ed. R. **ELEGANS**—Bre. Young caps fine.

R. **EMETICA**—Fr. Not edible, as its name implies.

Ed. R. **FLAVIDA**—Frost. Offensive. R. **FAETONS**—Fr.

Ed. R. **LEPIDA**—Fr. Excellent.

Ed. R. **LINNAEI**—Fr. Eat caps only.


Acrid. R. **RUBRA**—Fr. Acrid, yet accepted by McI.

Ed. R. **SORDIDA**—Pk. Coarse grained.

Ed. R. **VIRESCENS**—Fr. Fine when fresh.

**SCHLERODERMA**—Pers.

Ed. S. **VULGARE**—Fr. Peel, slice and cook well, if young.

**STROBILOMICES**—Berk.

Ed. S. **STROBILACEOUS**—Berk. Anise flavor and odor.

**STROPHARIA**—Fr.

S. **DUROIDES**—Pk.

Ed. S. **SEMIGLOBATA**—Batch. Opposed by one author.

**THELEPHORA**.

T. **WILLEYI**; **WHITE TELEPHORA**—Morris.

**VOLVARIA**—Fr.

V. **STRIATULA**.
CORRECTIONS

Page 25—(Order) Insert Conifereæ.
Page 64—Insert Scilla.
Page 67—Insert Amblistegium.
Page 100—(Order) Insert Fumariaceae.
Page 111—For Duchesma, read Duchesnia.
Page 138—Insert Archangelica.
Page 147—Insert Lysimachia.
Page 173—For Echinocystilis, read Echinocystis.
Page 191—Insert Senicio.
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