





Mr. & Mrs. W. L. Britton

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FLORA

Of Onondaga County as Collected by the
Members of the

SYRACUSE

BOTANICAL CLUB



COMPILED, CLASSIFIED AND
CATALOGUED BY

Mrs. L. Leonora Hutchinson Goodrich
President of Syracuse Botanical Club

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MRS. L. LEONORA GOODRICH

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.

BOTRICHIIUM—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.
Frequent. Very varied. Knolls in swampy grounds. September until frost. Centerville and Tully, September, 1895.
- B. TERNATURN VAR OBLIQUUM—A Gray, 1843. Oblique Grape Fern.
Smaller and more dissected. Oblique lanceolate segments. 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. *TENEPROSUM*—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.
Common. Rich woods. Largest Botrichium. June and August.
- B. *GRACILE*—Pursh, 1814. Small Rattlesnake Fern.
Occasional. Habits and habitat. similar to *B. Virginianum*. June. Jamesville Road.

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

OSMUNDA—Lin. 1753.

- O. *REGALIS*—Lin., 1853. Royal Fern.
Frequent. Entire pinnules characteristic. In swamps and moist soil. Extends throughout United States and Canada. Tully Road, May and July. June, 1895.
- O. *CINNAMOMEA*—Lin., 1753. Cinnamon Fern.
Common. Very attractive through different stages of its crosiers. Thickly covered with ferruginous tomentum. Wet soil. Riegals swamp. May.
- O. *CINNAMOMEA* VAR *FRONDOSA*—A. Gray, 1843.
Frequent. Wet soil. With *O. Cinnamomea*. Fronds sterile at base and sparsely fruited at summit. Jamesville Road. May, 1900.

- O. CLAYTONIANA—Lin., 1753. (*Osmunda interrupta Michx*, 1803.) Clayton's Fern.
 Not common. Central pinnae fertile. Base and summit sterile. Jamesville and Phoenix Roads, Onondaga Hill, Indian Reservation. May, July.

POLYPODIACEÆ—R. Br. 1810—Fern Fam.

ONOCLEA—Lin., 1753.

- O. SENSIBILIS—Lin., 1753. Sensitive Fern.
 Common. Very much varied in form. A twice pinnatifid form, given by some botanists the varietal name, O. Obtusilobata. Others consider that an abnormal species. Waste places and roadsides. Sensitive to frost. August, November.
- 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.
 Covered on underside with rusty chaff. Rare. Southern and southwestern parts of Onondaga County. On exposed rocks. Near Fabius, 1895. Beauchamp.
- W. OBTUSA—Torr, 1840. Blunt lobed Obtusa.
 Very rare. Exposed rocks. High elevation. Tully, July, 1895.

DENSTEADTIA—Und.

(*Dicksonia*—Lin., 1753.)

- D. PUNCTILOBULA—Bernh, 1806. (*Dicksonia punctilobula A. Gray*, 1848. *Dicksonia Pilosiuscula. Wild*, 1809.)
 Hay scented fern. Not common. Sporangia enclosed in a fringed cup-shaped indusia. Rare here. Abundant near Utica. Mont. George, June, 1896.

FILIX—Adams. Und.

(Cystopteris—Bernh, 1806.)

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

Abundant. Rich woods. Besides the regular sori, bears bulblets, underneath in the pinnae axils, equaling the spores in propagation. Summer. Edwards Falls, 1890.

- 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.*)

New York fern, Fronds broadest in centre. Gland bearing indusia, reniform. Frequent. Moist woods. Lafayette woods, Aug., 1897.

- D. THELYPTERIS. (*L.*) A. Gray, 1848. (*Aspidium Thelypteris, Swartz.*)

Marsh Shield-fern. Segments with revolute margin. Common. Marshes. Near East Syracuse, Aug., 1899.

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

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

- D. GOLDIANA—A. Gray, 1848. (*Aspidium Goldianum, Hook.*)

Goldie's Fern, Sori very large. Occasional. Near Green Lake, July, '99.

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

Evergreen Wood Fern. Abundant. Brittain woods, Aug., 1899.

- D. SPINULOSA—Kuntze. (*Aspidium spinulosum*—Swz.)
Spinulose Shield Fern. Varies greatly. Pinnules with spiny-toothed lobes. Common. Rich woods. Kinney woods, Aug., 1907.
- D. SPINULOSA INTERMEDIA—Underw., 1891. (*Aspidium intermedium*—Muhl).
Margin of indusia beset with stalked glands. Common. Rich woods. Montfredy Gorge, July, 1899.
- D. SPINULOSA DILITATA—Undw., 1891. (*Aspidium spinulosum* var. *dilitatum*—Hook).
Indusia glabrous and naked. Frequent. Underw. gives a dwarf form as var. *durnitorum*. Kinney woods, 1908.
- D. BOOTHII—Underw., 1893. (*Aspidium spinulosum* var. *Boothii*—Gray).
Boot's Shield Fern. Indusia slightly glandular. Rare. Rich woods. Near Scolopendrium Green Lake, July, 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—P. A.—var. *incisum*. Marcellus, July, 1895.

PHEGOPTERIS—Fee.

- P. Phegopteris (*L*) Underw. (*Bull Torr Club, 1893.*)
(*Polypodium Phegopteris*—Lin., 1753.)
Long Beech Fern. Lower pair pinnae deflexed and inclined forward. Sori small. Occasional. Hillside and moist woods. Jamesville Road, Aug., 1900.
- P. HEXAGONOPETRA—Fee, 1850.
Broad Beech Fern. Fronds triangular, sori near margin. Leaves fragrant. Rare. Dry woods and hillsides. Woods North Syracuse, Aug., 1895.

- P. DRYOPETRIS—Fee, 1850. Oak Fern.
Fronds ternate. Divisions stalked. Sori ends of veins,
near the margin. Not common. Moist thickets and
swamps. Centreville, July, 1905.

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.
In swamps and moist woods. Often near banks of
lakes. Sterile fronds separate from much narrower
and longer fertile. Pepper Mill Gorge. Abundant in
woods near round lake. Aug., Oct.

PHYLLITIS—Ludwig.

- P. SCOLLOPENDRIUM—Newm. (*Scollopendrium scollopendrium*—Karst. *Scollopendrium vulgare*—J. E. Smith. *Asplenium scollopendrium*—L.) Hart's
Tongue.
Found by Pursh in 1807. Lost and rediscovered by
"Syracuse Botanical Club" in Geddes Gorge, 1880.
Search made by request of Hon. Geo. Geddes. Later
found in Jamesville and Chittenango Falls. Several
localities in Onondaga County. Aug., Oct.

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.

ASPENIUM—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, James-
ville Road, Hopper's Glen. July, Sept.

- A. TRICHOMANES—Lin., 1753. Maiden-hair Spleenwort.
On and in crevasses of rocks. Jamesville woods and
around Green Lakes. Small. Indusia opens upperside.
July, Sept.
- A. AUGUSTIFOLIUM—Michx, 1803. Narrow-leaved Spleen-
wort.
In damp, shady places. Fertile fronds much narrower
than sterile. Indusia opens upper side. Peppermill
Gorge, Fayetteville woods, etc. July, Sept.
- 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.
In woods and thickets. Sori short. Indusia curved,
sometimes straight, sometimes horse-shoe shaped.
June, Aug.
- A. ACROSTICHOIDES—Swartz, 1800. (*Asplenium thelip-
teroides*—Michx, 1803.) Silver Spleenwort.
In rich moist woods. Sori slightly curved. Indusium
light colored and shining when young. Not rare. Aug.,
Oct.

ADIANTUM—Lin., 1753.

- A. PEDATUM—Lin., 1753. Maiden-hair Fern.
Frequent. Rich woods and cleared grounds. Sori un-
der reflexed margin. Lily Grove, July, 1890.

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.

- C. STELLERI—Proutl. (*Und.*) (*Pellea gracilis*—Hook,
1858). Slender Cliff Brake.
Rare. Skaneateles Lake and Green Lake, June, 1882.

PELLEA—Link, 1841.

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

Rare. Limestone cliffs. Indusium; incurved margin
of pinnules. Green Lake. June, Sept.

POLYPODIUM—Lin., 1753.

- P. VULGARE—Lin., 1753. Common Polypody.

Frequent on rocks. Generally near the summit of a cliff.
Sometimes on old stumps. Evergreen. Without indusia,
Kinney Gorge. June, Nov.

MARSILEACEÆ—R. Br.

MARSILEA.

- M. QUADRIFOLIA—Lin., 1753. Marsilea.

Rare. Only locality reported, Hoyt Farm, Green
Point, by L. M. Underwood, 1890.

SALVINACEÆ—Adams, 1763.

SALVINIA—Adams, 1763. (*Marsilea*.)

MARSILEA.

- S. NATANS—Hoffm. (*Deutch Flora, 1795.*) Reported by
Pursh, 1814, as "Marsilea natans." Lin., 1752. I have
never seen it. July, 1897—Underwood.

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. SYLVATICUM—Lin., 1753. Wood Horsetail.
Moist sandy woods. Central cavity large. Branchlets
recurved. Frequent. May.

- E. PRATENSE—Ehrli, 1784. Thicket Horsetail.
Sandy soil. North from Clay. Sheaths cup-shaped,
overlapping each other. Frequent. July and Aug.
- E. PALUSTRE—Lin. Marsh Horsetail.
Three River Point. Near Liverpool, etc. Not rare.
Central cavity very small. Sheaths long. July.
- E. FLUVIATILE—Lin. (*E. Limosum Sp.*) Swamp Horse-
tail.
Banks of Seneca River. Skaneateles Lake. Infrequent.
Sheaths long with 18 appressed teeth. May, June.
- E. HYEMALE—Lin. Com. Scouring Rush.
Banks of Onon. Cr. Com. along banks of rivers and
lakes, everywhere. Seldom branched. Stem rough and
used for scouring. May, June.
- E. SCIRPOIDES—Michx, 1803. Sedglike Equisetum.
Roots of trees near Baldwinsville. Delicate. Sheaths
with three teeth. Rare. May, June.

LYCOPODIACEÆ—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.
Long Branch, in damp slope. Rare. July, Aug.
- L. OBSCURUM—Lin. Ground Pine.
Near Cicero swamp. Rare. Fruiting spikes. Solitary.
One to ten on each plant. July, Sept.
- L. CLAVATUM—Lin., 1753. Running Pine.
Kinney woods, near scollopendrium ravine. Rare.
Fruiting spikes, three in a cluster. Aug., Oct.
- L. COMPLANATUM—Lin. Trailing Christmas Green.
Kinney woods near the former. Baldwinsville, Howlett
Gorge. Not plentiful. July, Nov.
- L. INUNDATUM—Lin., 1753. Bog Club Moss.
Not common. Sandy soil near Centreville. Aug., 1899.

SELAGINELLACEÆ—Underw. 1881.

SELAGINELLA—Beauv., 1805.

- S. RUPESTRIS (*Lin.*). Spring, 1840. Rock Selaginella.
Microspores in upper and macrospores in lower axils of leafy spikes. Found on dry rocks. Occasional. Aug., Sept.
- S. SELAGANOIDES—Link. (*S. spinosa*). Low Selaginella.
Moist rocks. Sterile stems creeping; fertile stems ascending. Leaves ciliate. Ravine Cazenovia Road. June, Nov.
- S. APUS—Spring. (*Lycopodium apodum*—*Lin.*) Creeping Selaginella.
In moist places. Near Oneida Lake. Low lands south of Shackleton's Point. Leaves two kinds. Upper spreading; lower somewhat keeled and reflexed. July, Sept.

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. HETEROSTICHUM—Bruch. Montfreedy's.
- A. PALUSTRE—Lin. Mud Lake.

ANOMODON—Hook.

- A. ATTENUATUS—Hueb. Epipactis Woods.
- A. OBTUSIFOLIUS—Bruch. Cicero.
- A. ROSTRATUS—Schimp. Jamesville.
- 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. BIMUM—Schreb. Geddes Gorge.
- 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—Lin. Onon. Hill.
- D. SCOPARIUM VAR. PALUDOSUM—Lin. Mud Lake.
- D. UNDULATUM—Voit. LaFayette Road.

DICHELYMA—Myr.

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

DICRANELLA—Schi.

- D. HETEROMALLA—Schi. Manlius.
- D. VARIA—Schi. Peppermill Gorge.

EURHYNCHIUM—Schi.

- E. BOSCHII—Schwaegr. Onon. Hill.
- E. STRIGOSUM—Hoffm. Oran.

FISSIDENS—Hedw.

- F. ADIANTOIDES—Dedw. Jamesville.
- 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. Onon. Hill.

HYLOCOMIUM—Schi.

- H. SQUARROSUM—Lin. Monfredy Gorge.
- H. TRIQUETRUM—Lin. Jamesville.

HYPNUM—Dill.

- H. ADNUCUM—Hedw. Twin Lakes.
- H. ADUNCAN—Hedw. Euclid.
- H. ALLEGHANIENSE—Muell. Onon. Valley.
- H. BOSCHII—Schim. Marcellus.
- H. CORDIFOLIUM—Hedw. Jamesville.
- H. CRISTA CASTRENSIS—Lin. Geddes Gorge.
- H. CUPRESSIFORME—Lin. Jamesville.
- H. CURVIFOLIUM—Muell. Jamesville.
- H. DELICATULUM—Lin. Baldwinsville.
- H. DENTICULATUM—Lin. Onon. Hill.
- H. ELEGANS—Hook. Phoenix.
- H. FILICINUM—Lin. LaFayette Woods.
- H. GIGANTEUM—Schim. Cicero Swamp.
- H. HISPIDULUM—Brid. Montfredy.
- H. IMPONENS—Hedw. Baldwinsville.
- H. LAETUM—Brid. Onon. Hill.
- H. MINUTULUM—Hedw. Onon. Hill.
- H. MOLLUSCUM—Hedw. Otisco.
- H. OCHRACEUM—Turner. Pompey.
- H. ORTHOCLADON—Beauv. Tamerac.
- H. RECOGNITUM—Hedw. Onon. Valley.

- H. RUTABULUM—Lin. Otisco.
 H. SALEBROSUM—Hoffm. Marcellus.
 H. SCHREBERI—Willd. Green Lake.
 H. SERPENS—Lin. Clay.
 H. SERRULATUM—Hedw. Otisco.
 H. SPLENDENS—Hedw. Otisco.
 H. SQUARROSUM—Lin. Onon. Hill.
 H. STELLATUM—Drum. Manlius.
 H. SULLIVANTII—Spruce. Otisco.
 H. TEMARISCIMUM—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. ORTHORRHYNCEUM—Bruch. Twin Lakes.
 M. SERRATUM—Laich. LaFayette.

NECKERA—Hedw.

- N. PENNATA—Hedw. Skaneateles.

ORTHOTRICHUM—Hedw.

- O. OBTUSIFOLIUM—Schr. Euclid.
 O. OHIOENSE—Sulv. Baldwinsville.
 O. HUTCHINSIAE—Smith. Orville.

PHILONOTIS—Brid.

- P. MARCHICA—Brid. Montfedy'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.

- P. TRUNCATA—Fuern. Clay.

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.
 S. SUBSECUNDUM—Nees. 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.

HEPATICEÆ—Scale Mosses.

ANEURA—Lindb.

- A. LATIFRONS—Lindb. Jamesville Road.

ASTERELLA.

- A. HEMISPHERICA—Undw. Jamesville Road.

BAZZANIA—S. F. Gray.

- B. TRILOBATA—S. F. Gray. Jamesville Road.

BLASIA—Micheli.

- B. PUSILA—Lin. Hopper's Glen.

BLEPHAROSTEMA.

- B. TRICHOPHYLLUM—Dumort. Rare. Onon. Valley.

CEPHALOZIA—Dumort.

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

CHILOSCYPHUS—Corda.

- C. POLYANTHOS—Corda. Calthrop Grove.

DIPLOPHYLLUM—Dumort.

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

FRULLANIA—Raddi.

- F. ASAGRAYANA—Mont. Hopper's Glen.
 F. EBORACENSIS—Lehm. Hopper's Glen.
 F. FRAGILIFOLIA—Tayl. Kimber Woods.
 F. SQUARROSA—Nees. Edward's Falls.
 F. VIRGINIANA—Lehm. Edward's Falls.

JUNGERMANIA.

- J. ATTENUATA—Martins. Jamesville Road.
 J. BARBATA—Schreb. Primrose Hill.
 J. EXCISA—Schrad. East Syracuse.
 J. INCISA—Schrad. Valley.
 J. MICHAUXII—Weber. Peppermill Gorge.
 J. PUMILA—With. Peppermill Gorge.
 J. SCHRADERI—Martin. Salt Marsh.
 J. VENTRICOSA—Dicks. Clay.

KANTIA—S. F. Gray.

- K. TRICHOMANIS—S. F. Gray. Manlius.
 K. TRICHOMANIS, VAR. RIVULARIS—S. F. Gray. Manlius.

LEJEUNEA—Libert.

- L. CALCAREA—Libert. Green Lake.
 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. MACOUNII—Aust. Davis Woods.
 L. MINOR—Nees. Riegal Woods.

LUNULARIA—Mich.

- L. VULGARIS—Raddi. Riegal Woods.

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.

- P. LYELLII—S. F. Gray. Howlet Gorge.

PELLIA.

- P. ENDIVIAEFOLIA—Dumort. Harbor ditch.
 P. EPIPHYLLA—Raddi. Tamerac Swamp. Undw.

PLAGIOCHILA—Dumort.

- P. PORELLOIDES—Lind. Cicero Swamp.

PORELLA—Dill.

- D. PINNATA—Lin. Onon. Hill.

- P. PLATAPHYLLA—Lindb. On old chestnut tree.

PTILLIDIUM—Nees.

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

RADULA—Dumont.

- R. COMPLANATA—Dumort. Onon. Hill.

- R. SPICATA—Und. East Syracuse.

SCAPANIA—Dumort.

- S. GLAVCOCEPHALA—Aust. Rotten log. Tamerac.

- S. NEMEROSA—Dumort. Tamerac.

- S. UNDULATA—Dumort. Onondaga Hill.

TRICHOCOLEA—Dumort.

- T. TOMENTELLA—Dumort. Tamerac Swamp.

MARCHANTIACEÆ—Marchant—Liverworts.

CONOCEPHALUS—Neck.

- C. CONICUS—Dumort. Howlett Gorge.

FIMBRIARIA—Nees.

- F. TENELLA—Nees. Primrose Hill.

GRIMALDIA—Raddi.

- G. RUPESTRIS—Lindenb. Marcellus rocks.

LUNULARIA—Micheli.

- L. VULGARIS—Raddi. Marquisee's Green-house.

MARCHANTIA—March.

- M. POLYMORPHIA—Nees. Common everywhere.

PREISSIA—Nees.

- P. COMMUTATA—Nees. Jamesville Road.

RICCIA.

- R. DUNNELII—Aust. Undw.

- 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.

- P. STROBUS—Lin., 1753. White Pine.
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.
- P. RIGIDA—Mill. Torch Pine.
Contains much resin. Not common. North Syracuse and Otisco, 1889.

LARIX—Adams, 1763.

- L. LARICINA—Koch, 1873. (*Larix Americana*—Michx., 1803.) Tamarack, or American Larch.
Common. Leaves short. Many in fascicle. T. swamp, April, 1906.

PICEA—Link, 1830.

- P. CANADENSIS—B. S. P. (*Prel. Cat., N. Y., 71, 1888.*) (*Abies Canadensis, Mill, 1768.*) White Spruce.
Not common. Clay, May, 1899.
- 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.
Common. Leaves short, dark green above. Bark used for tanning. Riegle Woods, May, 1895.

ABIES—Juss, 1789.

- A. BALSAMEA—Mill, 1768. Balsam Fir.
Bark smooth, with blisters of balsom. One locality only reported. North Cicero Swamp, June, 1902.

THUJA—Tourn, 1753.

- T. OCCIDENTALIS—Lin., 1753. Arbor Vitae. White Cedar.
Very small, closely imbricated, oppressed, persistent leaves, forming a flat spray. Decorative. Frequent. May, June.

JUNIPERUS—Lin, 1753.

- J. COMMUNIS—Lin. Juniper.
Berry-like cones; blue. Dry rocky hillsides. Common. Fruit perfected October. May, October.
- J. VIRGINIANA—Lin. Red Cedar.
Jamesville Woods, Lafayetteville, etc. Not frequent. Berry-like cones. Wood red and aromatic. May, October.
- J. SABINA—Lin., 1753. Var Procumbeus. Pursh, 1807.
Shrubby Red Cedar.
Tamarac Swamp. Banks of Onondaga Creek. Berry-like cones; light blue. Rare. April.

TAXACEÆ.

TAXUS—Lin.

- T. MINOR—(*Michx.*) [Britton.] American Yew. Ground Hemlock.
- T. CANADENSIS—Wild.
Common. Low, straggling bush. Fertile flowers, becoming a bright red drupe. April, May.

MONOCOTALEDONES.

TYPHACEÆ.

TYPHA—Lin.

- T. LATIFOLA—Lin., 1753. Broad-leaved Cat-tail.
Common in all marshes. June, September.
- T. LATIFOLIA—L. VAR ELONGATA—Dudley. Extended Cat-tail.
Fertile flowers, separated into two divisions. Smaller than Latifolia. In Salt Marsh, 1st Ward, Syracuse. July.
- T. AUGUSTIFOLIA—Lin., 1753. Narrow-leaved Cat-tail.
Staminate and pistillate flowers, distanced. Sometimes five inches apart. Abundant in Onondaga Salt Marshes. July, September.

SPARGANIACEÆ—Agardli.

SPARGANIUM.

- S. EURYCARPUM—Engelm, 1856. Broad-fruited Bur-reed.
Staminate heads numerous. Pistillate, two-four on branch. In marshes bordering ponds, etc. May, August.
- S. SIMPLEX—Huds. Simple-stemmed Bur-reed.
Slender. Nutlets pale, contracted in the center. Common in bogs and shallow water. Three river point. July, 1885.
- S. AUGUSTIFOLIUM—Michx. Tall Bur-reed.
Common. In deep water. Oneida and Onondaga Lakes. July, August.
- S. MINIMUM—Fries, 1846. Small Bur-reed.
Common. Three to ten inches high, when in mud. Much longer submerged. Ponds and streams. Onondaga Lake Marsh. August, 1895.
- S. ANDROCLADUM—Morong, 1881. Branching Bur-reed.
Frequent. Stems slender and branching. Mud Lock. July, 1895.

NAIDACEÆ—Lindl, 1836—Pondweed Fam.

POTAMOGETON—Lin, 1753.

- P. NATANS—Lin., 1753. Common Floating Pondweed.
Common. Very slender. A deep impression in middle of nutlet. Ponds and stagnant waters. Tully Lake, July and August, 1896.
- P. OAKESIANUS—Robbins, 1867. Oakes Pondweed.
Frequent. Similar though much smaller than *P. Natans* in every part. Ponds and ditches. Valley, August, 98.
- P. AMPLIFOLIUS—Tuckerm, 1848. Large-leaved Pondweed.
Common in most of our lakes. Leaves large. Stipules long and sharp-pointed. Onondaga Lake, Aug., 1899.
- P. NUTTALII—Cham, 1827. (*P. Claytonia*—Tuck, 1843.)
Nuttall's Pondweed.
Occasional. Streams and ponds. Floating leaves, obovate; submerged, linear. Tully Lake, Aug., 1891.
- P. ALPINUS—Balbis, 1804. (*P. rufescens*—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.
Common. Floating leaves, pointed at apex, rounded at base. Submerged, linear lance. Streams and ponds. Tully, Aug., 1895.
- P. LUCENS—Lin., 1753. Shining Pondweed.
Frequent. Ponds etc. Leaves all submerged, shining above. Tully Lake, July, 1895.
- P. PRAELONGUS—Wolf, 1805. White-stemmed Pondweed.
Leaves all submerged. Fruit keel shaped. Seneca River, summer, 1895.

- P. *PERFOLIATUS*—Lin., 1753. Clasping-leaved Pondweed.
Leaves ovate, submerged and clasping. Frequent.
Ponds and slow streams. Oneida Lake, Aug., 1895.
- P. *CRISPUS*—Lin., 1753. Curled-leaved Pondweed.
Fruit triple keeled. Lateral keel with projecting tooth.
Frequent. Tully Lakes, 1895.
- P. *ZOSTERAEFOLIUS*—Schum, 1801. Eel-grass Pondweed.
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. Pauciflorus*—Pursh, 1814.)
Leafy Pondweed.
Stem branched. Leaves linear, short. Low, stagnant
water north from Salina. Aug., 1900.
- P. *PUSILLUS*—Lin., 1753. Small Pondweed.
Leaves submerged, linear, with two glands at base.
Frequent. Low, stagnant waters north from Salina.
Aug., 1900.
- P. *DIVERSIFOLIUS*—Raf, 1808. Rafinesque's Pondweed.
Stagnant water near Apulia. Aug., 1889.
- 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.
- P. *MARINUS*—Lin., 1753. Marine Pondweed.
Leaves small, linear, crowded. In sluggish water near
Long Branch. Aug., 1896.

- P. ROBBINSII—Oakes, 1841. Robbin's Pondweed.
Leaves linear, auricled at base. Flowers under water.
Apulia Pond, Aug., 1889.
- P. SPIRILLUS—Tucks, 1848. Spiral Pondweed.
Embryo spiral. Leaves linear. Oonodaga Creek, July,
1900.

RUPPIA—Lin, 1753.

- R. MARITIMA—Lin., 1753. Maritime Ruppia.
Fertilizes above surface of water. After fertilization
peduncles coil, drawing fruit below the surface. Found
in a brackish puddle. Salt Marsh near Salina, July,
1895, by L. L. G.

ZANNICHELLIA—Lin, 1753.

- Z. PALUSTRIS—Lin., 1753. Zannichellia.
Leaves filliform; Fruit submerged. Frequent. Pond,
Little York, July, 1897.

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.
- N. MARINA GRACILIS—Morong, 1885. Small Nais.
Leaves narrow with teeth on edge and back. Marsh
near Long Branch.
- N. MARINA RECURVATA—Dudley, 1886. Dudley's Nais.
Leaves recurved; 3 to 4 teeth on margin; none on back.
One each side of base. Frequent. Onondaga and Cay-
uga Marshes. Long Branch, 1889.
- N. FLEXILIS—Root and Schmidt, 1824. Slender Nais.
Leaves linear; pellucid; finely serrulate. Common.
Streams and roads. Summer.
- N. GRACILLIMA—Morong. (*Mem. Torr. Club.*) 1893—
Thread-like Naias.
Frequent. Plant capillary. Pools and ponds. July to
September.

SCHEUCHZERIAZEÆ—Agardth, 1858—Arrow-grass Fam.

TRIGLOCHIN—Lin, 1753.

- T. PALUSTRIS—Lin., 1753. Marsh Arrow Grass.
Leaves slender. Carpels club shape at maturity; split from base upward, suspending from the three-winged axis. Rare. Marsh near Onondaga Lake, Aug., 1885.
- T. MARITIMA—Lin., 1753. Seaside Arrow Grass.
Leaves fleshy; narrow. Fruit thick, tapering to six recurved points at summit. Occasional. Salt Marshes, Onondaga Lake, June.

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

ALISMA—Lin, 1753.

- A. PLANTAGO AQUATICA—Lin. Water Plantain.
Common. Marshes, ditches and borders of streams. Border Onondaga Creek, Aug., 1900.
- A. TENELLUM—Mart, 1830. (*Echinodurus Parvulus—Engelm, 1850.*) Dwarf Water Plantain.
Common. In shallow water and mud; Sometimes submerged. Creek. Onondaga Valley, Summer, 1900.

SAGITTARIA—Lin, 1753.

- S. LATIFOLIA—Willd, 1806. (*Sagittaria Variabilis—Engelm, 1848.*) Broad-leaved Arrow-head.
Includes several varieties. Common. Aquatic or in wet places. Summer. Skaneateles Lake, Aug., 1899.
- S. ARIFOLIA—Nutt, 1894. (*S. Sagittaeifolia var Minor—Pursh.*) Arum-leaved Arrowhead.
Frequent. Mud Lock, July, 1898.
- S. RIGIDA VAR ELLIPTICA—Engelm, 1859. Elliptic-leaved Sagittaria.
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.

- P. CANADENSIS—Brit. (*Science*, 1895.) (*Elodia Canadensis*—Michx, 1803.) Water Weed or Dutch Moss. Staminate flowers separate early from parent stalk. Floating, scatter pollen around stigmas. Common.

VALLISNERIA—Lin, 1753.

- V. SPIRALIS—Lin., 1753. Tape Grass or Eel Grass. Like Philotrea 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.

- L. SPONGIA—Rich., 1811. (*Hydrocaris Cordifolia*—Nutt., 1818.) Frog's-bit. Common. Long Branch, July, 1909.

GRAMINEÆ—Jues, 1789—Grass Fam.

ANDROPOGAN—Lin, 1753.

- A. SCOPARIUS—Michx, 1803. Brown Beard Grass. Rare. Indian Hill. Reservation. Sept., 1890.
- A. FURCATUS—Muhl, 1806. Forked Beard Grass. Not rare. Near Rev. Cusick's home, Onondaga Res. Aug., 1897.
- A. GLOMERATUS—B. S. P., 1888. (*Prel. Cat., N. Y.*) (*A. Macrourus*, Michx, 1803.) Bushy Beard Grass. Common. Sandy soil. Centerville, Sept., 1896.

SYNTHERISMA—Walt., 1788.

- S. SANQUINALIS—Nash. B. T. Club, 1895. (*Panicum Sanquinalis Scop, 1772.*). Large Crab Grass. Common in cultivated grounds. Goodrich, Yard, Aug.
- S. LINEARIS—Nash. (1899, *Bull. Torr. Club.*) (*Panicum Globrum*—Schrad, 1811.) Small Crab Grass. Frequent. Waste grounds. Summer.

- S. FILIFORMIS—Nash. (*Panicum Filiformis*—Lin., 1753.)
Slender Finger Grass.
Common. Woods, Onondaga Hill.

PANICUM—Lin, 1753.

- P. CRUS-GALLI—Lin., 1753. Barnyard Grass.
Common everywhere. Especially heavily manured
ground. Goodrich Barnyard, 1906.
- P. WALTERI—Pursh, 1814. (*P. hispidum*—Muhl, 1817.)
Salt Marsh Cock's-spur Grass.
Local. Salt Marsh, Onondaga Lake, Sept., 1896.
- P. AGROSTIDIFORME—Lam, 1791. (*P. Agrostoides*—Trin.,
1817.) Agrostis Panicum.
Abundant. Marsh, East Syracuse, Aug., 1899.
- P. PORTERIANUM—Nash, 1893. (*Bull Torr. Club.*) (*P.*
Latifolium, 1788.) Porter's Panicum.
Not plentiful. Found principally in woods. Euclid.
Summer.
- 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.
Adapts itself to any kind of soil. Common. Roadside.
Aug., 1900.
- P. PROLIFERUM—Lam, 1797. Spreading Panicum.
Frequent in sandy soil. Centerville, June, 1895.
- P. CAPILLARE—Lin, 1753. Witch Grass.
Common in cultivated grounds and roadsides. Midland
Ave., Syracuse, July, 1899.

IXOPHORUS—Schlecht, 1861.

- I. GLAUCUS—Nash. (*Bull. Torr. Club, 1895.*) (*Setaria Glauca—Beauv, 1812.*) Yellow Foxtail or Pigeon Grass.
Common. Distributed over U. S. in fields and waste places. Elmwood, July, 1899.
- I. VERTICILLATUS—Nash. (*B. T. C., 1895.*) (*Setaria Verticillata—Beauv., 1812.*) Fox-tail Grass.
Abundant in old gardens. Onondaga Hill, July, 1898.
- I. VIRIDIS—Nash. (*B. T. C., 1895.*) (*Setaria Viridis—Beauv. 1812.*) Green Fox-tail Grass
Widely distributed in cultivated grounds. Onondaga Hill, July, 1898.
- I. ITALICUS—Nash. (*B. T. C., 1895.*) (*Setaria Italica—R. and S.*) Italian Millet. Hungarian Grass.
Escaped from cultivation. Spread extensively. Rarely spontaneous. Summer.

ZIZANIA—Lin, 1753.

- Z. AQUATICA—Lin., 1753. Wild Rice. Indian Rice.
Common in shallow water and borders of streams. Valley, 1898.

HOMALOCENCHRUS—Mieg, 1768.

- H. VIRGINICUS—Brit. (*N. Y. Acad. of Science, 1889.*) (*Leersia Virginica—Willd, 1797.*) White Grass.
Swampy grounds near streams or ponds. Long Branch near Seneca River. Aug., 1899.
- H. ORYZOIDES—Poll., 1776. (*Leersia Oryzoides—Swartz, 1792.*) Rice Cut-grass.
Frequent. Marshes and along streams. Clustered en masse. Belle Isle, July, 1898.

PHALARIS—Lin., 1753.

- P. ARUNDINACEA—Lin., 1753. Reed Canary Grass.
Wet grounds. Common. Bank Onon. Creek. July.

- 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.
In meadows. Fragrant in drying. South Bay, July, 1882.

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.
On rocky hillside. Geddes Gorge. May.
- O. MELANOCARPA—Muhl, 1817. Black Fruited Mountain Rice.
Rocky banks and ravines. Hopper's Glen. Aug.

MILIUM—Lin.

- MILIUM EFFUSUM—Lin., 1753. Tall Millet Grass.

MUHLENBERGIA—Shreber, 1789.

- MUHLENBERGIA SOBOLIFERA—Trin, 1824. Rock Muhlenbergia.
Very short awned. Jamesville woods, 1895.
- M. MEXICANA—Trim, 1824. Meadow Muhlenbergia.
Common. Wet Grounds. Swamp, Indian Reservation, Aug., 1899.
- M. RACEMOSA—B. S. P. (*Prel. Cat. N. Y., 1888.*) (*M. glomerata*—Trin, 1824.) Marsh Muhlenbergia.
Common. Swamps. Tamerac Swamp, Aug., 1900.
- M. SYLVATICA—Torr and Gray, 1824. Wood Muhlenbergia.
Common. Moist woods. Banks of creeks. Onondaga Valley, Aug., 1899.

- M. TENUIFLORA—B. S. P. (*Prel. Cat. N. Y., 1888.*) (*M. Willdenovia—Trin, 1824*). Slender Muhlenbergia.
On hillocks, in Centreville swamp and Green Lake, Jamesville, Aug., 1892.
- M. DIFFUSA—Shreb, 1772. Nimble Will, or Dropseed Grass.
Common. Dry hilly places. Roadside, etc. Onondaga Hill, Aug., 1892.

BRACHYELYTRUM—Beauv., 1812.

- B. ERECTUM—Beauv., 1812. (*B. cristatum—R. S., 1817.*)
Brachyelytrum.
Frequent. Rocky ravines. and. roadsides. Geddes Gorge, July, 1890.

PHLEUM—Lin., 1753.

- P. PRATENSE—Lin., 1753. Timothy. Herdgrass.
Common. Meadows, roadsides, etc. Onon. Valley, July, 1900.

ARISTIDA—Lin., 1753.

- A. DICHOTOMA—Michx, 1808. Poverty Grass.
Common. Sandy soil south from Syracuse, Aug., 1900.
- A. GRACILIS—Ell, 1817. Slender Aristida.
Widely distributed. Adapts itself to any soil. South Onondaga, Aug., 1899.

ALOPECURUS—Lin., 1753.

- A. GENICULATUS—Lin., 1753. (*A. Aristulatus—Michx, 1803.*) Marsh Foxtail.
Not common. Marsh near Bridgeport, July, 1892.

SPOROBOLUS—R. Br., 1810.

- S. VAGINAEFLORUS—Wood, 1861. (*Vilfa vaginaeflorus—Torr. and Gray*). Sheathed Rush-grass.
Not common. Dry fields. Howlet's woods. Sept., 1899.

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.) Slen-
der Wood Reed-grass.
Frequent. Moist woods. Onondaga Hill, Sept., 1893.

AGROSTIS—Lin., 1753.

- A. ALBA—Lin., 1753. Red-top.
Very variable. Common. Fields. Geddes farm, Fair-
mount, Aug., 1891.
- A. ALBA VAR VULGARIS—Thurber in A. Gray, 1890. Herd
Grass, or Slim Redtop.
Fields and roadsides, same as Alba.
- A. HYEMALIS—B. S. P. (*Prel. Cat. N. Y., 1888.*) (*A. Sea-
bra*—Willd, 1798). Rough Hair-grass.
Common. Distributed throughout U. S. Moist soil.
East Syracuse, Aug., 1898.
- A. PERENNANS—Tuckerm, 1843. Thin-grass.
Common. Cultivated fields. Often purplish. J. Knapp
farm. Aug.
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 VENTI—Beauv, 1812. Silky Bent Grass.
In waste grounds. Rare. In dump ground, city, July.
1885.

DESCHAMPSIA—Beauv.

- D. CAESPITOSA—Beauv, 1812. Tufted Hair Grass.
Dry woods. Edwards Falls. Fiddler's Green. Plenty.
August, 1893.
- D. FLEXUOSA—Trin., 1836. Wavy Hair Grass.
In dry woods. Indian Reservation. Not rare. August.

AVENA—Lin., 1753.

- A. STRIATA—Michx, 1803. Purple Oat.
Not rare. In old fields. Onondaga Glen. Wooded hills.
August, 1899.

ARRHENATHERUM—Beauv., 1812.

- A. ELATIUS—Beauv, 1828. Oat Grass.
Occasional. In fields near Scolopendrium Green Lake.
July, 1889.

DANTHONIA—D. C., 1805.

- D. SPICATA—Beauv, 1817. Common Wild Oat Grass.
In sandy soil. Occasional. Long Branch, August, 1900.
- D. COMPRESSA—Austin and Peck, 1869. Flattened Wild
Oat Grass.
Sandy soil. Near Clay. Common. August, 1889.

SPARTINA—Schreb, 1789.

- S. CYNOSUROIDES—Willd, 1809. Tall Marsh Grass.
Frequent. In swamps and streams of fresh brackish
water. Long Branch.
- S. POLYSTACHYA—Michx, 1803. Salt Reed Grass.
Plentiful. Salt Marsh, near Onondaga Lake. August.
1899.
- S. PATENS—Muhl, 1817. (*S. Juncea—Eli.*) Salt Meadow
Grass.
Salt Marsh near Geddes. Common. Sept., 1899.
- S. STRICTA—Roth, 1806. Smooth Marsh Grass.
Marshy shores Onondaga Lake, Liverpool. Strongly
scented. Not common. September, 1899.

- S. STRICTA VAR GLABRA—Muhl, 1817. Saline Marsh Grass. Plentiful. Salt Marsh, Salina. Aug., 1900.

ELUSINE—Gaertn, 1788.

- E. INDICA—Gaertn, 1788. Wire-grass. Crab-grass. Common. Distributed throughtout N. A. Old garden, Onondaga Hill. Summer.

PHRAGMITES—Trin., 1820.

- P. PHRAGMITES—Karst, 1820. Reed. Somewhat rare or scattered. Marshes. Cicero Swamp, Aug., 1895.

SIEGLINGIA—Bernh, 1800.

- S. SESLEROIDES. (*Scribn—Mem. Torr Club, 1894.*) Tall Red Top. Frequent. Fields etc. Old garden, Onondaga Hill. July, 1882.

DIPLACHNE—Beauv, 1812.

- D. FASCICULARIS—Beauv, 1812. Salt Marsh Diplachne. Frequent. Salt Marsh, Salina and Camillus. August—September, 1900.

ERAGROSTIS—Nees, 1820.

- E. CAPILLARIS—Nees, 1820. Cappillary Eragrostis. Common. Old dry fields. Hutchinson farm, Onondaga Hill. September, 1910.
- E. HYPNOIDES—B. S. P. (1888, *Prel. Cat.*) (*E. Reptans*—Nees, 1829.) Creeping Eragrostis. Rare. Pleasant Beach, July, 1897.
- E. MAJOR—Host, 1809. Strong Scented Eragrostis. Not common. East Syracuse. Sandy soil. Aug.

EATONIA—Raf., 1819.

- E. PENNSYLVANICA—A. Gray, 1856. Pennsylvania Eatonia. Frequent. In rich hilly woods. Onondaga Hill, 1892.

KOELERIA.

- K. CRISTATA—Pers., 1805. Koeleria.
Onondaga Hill, 1890. S. Cole.

DISTICHILIS.

- D. SPICATA—Greene, 1817. Marsh Spike Grass.
Salt Marsh, Geddes, 1900.

DACTYLIS—Lin., 1753.

- D. GLOMERATA—Lin. Orchard Grass.
Fields and waste places. Valley Road. Common. July.

CYNOSURUS—Lin., 1753.

- C. CRISTATUS—Lin. Crested Dog's-tail Grass.
Occasional in cultivated fields. Bridgeport Road, 1883.
July.

POA—Lin., 1753.

- P. ANNUA—Lin. Annual Meadow Grass.
Widely distributed throughout U. S. Common, May,
August.
- P. COMPRESSA—Lin., 1753. Wire Grass. Blue Grass.
Waste places. Roadsides. Common. Liverpool, 1881.
July, August.
- P. LAXA—Haenke, 1791. Wavy Meadow Grass.
Hilly places. Occasional. Pratts Falls. Early spring.
- P. PRATENSIS—Lin., 1753. Kentucky Blue Grass.
Indigenous, but greatly cultivated for lawns and pas-
tures. Twin Lakes, June, 1881.
- P. TRIVIALIS—Lin., 1753. Roughish Meadow Grass.
Lowlands and marshes. Not common. Cicero Swamp.
July, 1881.
- P. NEMORALIS—Lin., 1753. (*P. Cesia var Strictor*—A.
Gray, 1867.) Wood Meadow Grass.
Very variable, forming through some botanists several
varietal names. Occasional in moist lands. July, Aug.

- P. FLAVA—Lin., 1753. (*P. Scrotina*—Ehrh., 1791.) False Red Top.
Common. Wet meadows. Banks of streams. South Onondaga, Aug., 1898.
- 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. Scollopendrium 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.
Frequent. Wet places. Elmwood, Aug., 1895.
- P. ELONGATA—Kuntze. (*Rev. Gen. Pl., 1891.*) (*Glyceria Elongata*—Trin., 1836.) Long Manna Grass.
With *P. Canadensis*. Frequent. Elmwood. August.
- P. NERVATA—Kuntze, 1891. (*Glyceria Nervata*—Trin.) Nerved Manna Grass.
Common. July and August.
- P. AMERICANA—Mac M., 1824. Reed Meadow Grass.
Frequent. Wet grounds. Outlet Onondaga Lake, Aug. 1898.
- P. AQUATICA—Smith. (*Glyceria Aquatica*—Trin.) Smith's Manna Grass.
Mouth of Harbor Brook, Aug., 1898.
- P. PALLIDA—Kuntze. (*Rev. Gen. Pl. 783, 1891.*) (*Glyceria Pallida*, 1836.) Pale Manna Grass.
Shallow waters. Clay, July, 1889.
- P. FLUITANS—Kuntze. (*Glyceria Fluitans*—R. Br., 1810.) Floating Manna Grass.
Shallow water. Bridgeport Road, Aug., 1882.

PUCCINELLIA—Parl, 1848.

- P. MARITIMA—Parl, 1848. Sea Spear Grass. Goose Grass.
Rare. Salt Marsh, Solvay, 1887.

FESTUCA—Lin., 1753.

- F. OVINA—Lin., 1753. Sheep's Fescue Grass.
Banks of streams. Indiginous here. Cultivated for
lawns in southern part of state. Rare. Sand Hill, July,
1887.
- F. OVINA DURIUSCULA—Hack, 1812. Stout Sheep's Fescue
Grass.
Infrequent. Sandy fields. Mr. Calthrop's Hill, July,
1890.
- F. ELATIOR—Lin 1753. Tall Meadow Fescue.
Common. Cultivated for hay in lowlands. Varies
greatly. July and August.
- F. NUTANS—Willd, 1809. Nodding Fescue Grass.
Plentiful on Jamesville Road and elsewhere among
rocks. July, 1889.
- F. GIGANTEA—Vill. (1787, *His. Pl. Dauph.*) (*Bromus
Gigantea*—Lin., 1753.) Great Fescue Grass.
Infrequent. Waste places. Brewerton, July, 1900.

BROMUS—Lin., 1753.

- B. CILIATUS—Lin., 1753. Fringed Brome Grass. Wood
Chess. Common. Banks of streams and ravines.
Liverpool, Aug., 1899.
- B. ERECTUS—Huds, 1672. Upright Brome Grass. Wood
Chess. Rare. Waste lands. Bellisle, July, 1908.
- B. ASPER—Murr, 1770. Hairy Brome Grass.
Frequent. Dry hillsides. Otisco Hills. June and July.
- B. KALMII—A. Gray, 1848. Kalm's Chess.
Common. Woods and dry fields. Liverpool Road and
elsewhere. July, 1895.
- B. HORDAECEUS—Lin., 1753. (*B. Mollus*, 1762.) Soft
Chess.
Common. Fields, etc. Goodrich Yard, Aug., 1898.

- B. *SECALINUS*—Lin., 1753. Cheat Chess.
Frequent in old grain fields. West Farm, South Onon.,
July, 1897.
- B. *RACEMOSUS*—Lin., 1753. Upright Chess.
Common. Fields and roadsides. Suburb of Syracuse,
July, 1892.

LOLIUM—Lin., 1753.

- L. *TEMULENTUM*—Lin., 1753. Bearded Darnel.
Rare. Waste places and cultivated grounds. Goodrich
Yd., July, 1898.

AGROPYRON—Gaertn, 1770.

- A. *CANINUM*—R. and S., 1817. Awned Wheat Grass.
Infrequent. Waste field, South Onon., Aug., 1898.
- A. *REPENS*—Beauv. Couch Grass. Quitch Grass.
Very variable. A coarse and troublesome grass on ac-
count of its persistency in spreading by rooting at
every joint of creeping rhizome. All summer. Good-
rich garden.
- A. *VIOLACEUM*—Vasey, 1883. Purplish Wheat Grass.
Triticum Violaceum—Hornem, 1832.
Old waste grounds. Infrequent. Onon. Valley. July.

ELYMUS—Lin., 1753.

- E. *STRIATUS*—Willd. Slender Wild Rye.
Rocky banks. Jamesville Road. Geddes Gorge. July,
1882.
- E. *VIRGINICUS*—Lin. Terrell Grass. Virginia Wild Rye.
Banks, brooks, etc. Onon. Hill, 1882. July.
- E. *CANADENSIS*—Lin. Nodding Wild Rye.
Abundant on shores, lakes and rivers. Seneca River,
July, 1881.

HYSTRIX—Moench, 1794.

- H. *HYSTRIX*—Millsp., 1892. (*Flo., W. Va., 474.*) (*Gym-
nostichum Hystrix*—Schreb, 1810.) Bottle-brush
Grass.
Frequent. Moist places. Camillus, 1890.

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

CYPERUS—Lin., 1753.

- C. FLAVESCENS—Lin., 1753. Yellow Cyperus.
Marshy grounds. Straw color. Frequent. Mud Lake.
Marcellus. Aug., 1899.
- C. DIANDRUS—Torr, 1889. Low Cyperus.
Marshy grounds. Common. Onon. Valley. August,
September.
- C. DIANDRUS VAR CUSTANEUS—Torr., 1889. Brown, Low,
Smooth Cyperus.
Marshy grounds. With Diandrus. Common. Onon.
Valley. September.
- C. RIVULARIS—Kunth, 1837. Shining Cyperus.
Wet soil. Abundant. Thick, Shining. Tully Lakes.
September.
- C. NUTTALII—Eddy, 1820. Nuttall's Cyperus.
Salt marsh, Geddes and shore of Onondaga Lake. Sep-
tember and October, 1899.
- C. INFLEXUS—Muhl, 1817. (*C. aristatus*—Boeckl, 1868.)
Awned Cyperus.
Wet, sand soil. Fragrant in drying. Frequent. Clay.
August, September, 1899.
- C. ESCULENTUS—Lin, 1753. Yellow Nut-Grass.
Moist fields. Nut-like tubers cause to spread rapidly.
A nuisance. August, '99.
- C. SPECIOSUS—Vahl, 1806. (*C. Machauxiana*—Schultz,
1824.) Michaux's Cyperus.
Old, marshy fields. Has several varieties. Indian Res.
Aug., 1885.
- C. ENGLEMANII—Steud, 1855. Engleman's Cyperus.
Marsh. Scales not spreading. Frequent. Indian Res.
Aug., 1883.

CYPERAS—Lin., 1753.

- C. STRIGOSUS—Lin., 1753. Straw-colored Cyperus.
Moist places. Very variable. Meadow near brook.
Onondaga Hill, August, 1883.

- C. *FILICULMNIS*—Vahl, 1806. Slender Cyperus.
Dry soil. Old, sterile fields. Common. East Hill, near
Old Armory. July, 1882.
- 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.
Wet grounds. Not frequent. Swamp near Euclid.
Sept., 1882.

ELEOCHARIS—R. Br., 1910.

- E. *INTERSTINCTA*—R. & S., 1817. (*E. equisetoides*—Torr,
1836.) Knotted Spike-rush.
In shallow water near shore. South Bay. Abundant.
Aug., 1883.
- E. *OVATA*—R. & S., 1817. Ovoid Spike-rush.
Low muddy grounds. Common. Varies. July, Aug.
- E. *PALUSTRIS*—R. & S., 1817. (*Scirpus palustris*.) Creep-
ing Spike-rush.
Swamps and ponds. Plentiful in Tamerac swamp.
Aug., 1882.
- E. *PALUSTRIS*—var. *Vigens*—Baily. Stout Spike-rush.
Spike-rush.
Lake shores. Common. Rigid. Oneida Lake, Brewert-
on, Aug., 1883.
- E. *ACICULARIS*—R. & S., 1817. (*Scripus acicularis*—L.)
Needle Spike-rush.
Common. Distributed throughout U. S. in wet places.
Bridgeport Road, 1882.
- E. *TENUIS*—Schultes, 1824. (*Scirpus tenuis*.) Slender
Spike-rush.
Wet soil. Infrequent. Geddes farm. June and July.
- 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.

- E. ROSTELLA—Torr, 1836. Beaked Spike-rush.
Marshy and wet meadows. Common. Cicero swamp.
1881-82.

PSILOCARYA—Torr, 1836.

- P. SCIRPOIDES—Torr. Long-beaked Bald-rush.
Inundated marshes. Infrequent. Long Branch. Aug.,
1881.

STENOPHYLLUS—Raf., 1825.

- S. CAPILLARIS—Brit. (*Scirpus capillaris*—L.). Hair-like
Stenophyllus.
Adapts itself to wet or dry soil. Frequent. Roadside,
E. Syracuse. Aug., 1882.

FIMBRISTYLIS—Vahl.

- F. CASTANEA—Vahl, 1806. (*Scirpus castanea*—Michx.)
Marsh Fimbristylis.
Salt land. First Ward, Syracuse. Salina. Aug., 1882.

SCIRPUS—Lin., 1753.

- S. MANUS—Spring, 1815. (*Elyocarpus pigmaea*—Torr.)
Dwarf Club Rush.
Salt Marsh. Geddes, near canal. Com. Aug., 1883.
- S. PAUCIFLORUS—Lightf., 1777. (*Elyocharis pauciflorus*—
Link, 1827.) Few-flowered Club Rush.
In muddy places. Frequent. Marsh, Long Branch.
Aug., 1882.
- S. PLANIFOLIUS—Muhl, 1817. Wood Club Rush.
In dry woods, or moist places. Jamesville woods. June,
1883.
- S. SUBTERMINALIS—Torr, 1824. Water Club Rush.
Aquatic. In slow streams and ponds. Long Branch.
July, 1899.
- S. DEBILIS—Pursh, 1814. Weak-stalked Club Rush.
In wet soil. Com. Tamarac swamp. Aug., 1882.
- S. SMITHII—A. Gray, 1867. Smith's Club Rush.
Wet shores. Onon. Lake, near Pleasant Beach. July
and Sept.

- S. **AMERICANUS**—Pers, 1805. "Three Square" Chairmaker's Rush.
Shores of lakes and ponds. Salina shore Onon. Lake. Occasional. July, 1880.
- S. **TORREYI**—Olney, 1847. Torrey's Bulrush.
Swamps. Infrequent. Cicero swamp. Tamerac.
- 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.
Abundant in all salt marshes. Salina marsh. July-Oct.
- 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.
Low wet places. Not frequent. Reservation, Aug.
- S. **ATROVIRENS**—Muhl, 1817. Dark Green Bulrush.
Low wet meadows and bogs. Com. Onon. Valley, July, 1881.
- S. **POLYPHYLLUS**—Vahl, 1806. Leafy Bulrush.
Scales often become leaves. Common in swamps. July, Aug.
- S. **CYPERINUS**—Kunth, 1837. (*S. Cryophorum var cyperinus*—A. Gray). Wool Grass.
Common. Swamps and low moist places. Onondaga Creek. Sept.

ERIOPHORUM—Lin.

- E. **ALPINUM**—Lin., 1753. Alpine Cotton Grass.
Cold bogs. Tamerac swamp. Inconspicuous. Frequent. July, Sept.

- E. VAGINATUM—Lin., 1753. Sheathed Cotton Grass.
Cold swamps and wet grounds. Cicero swamp, 1882,
July.
- E. POLYSTACHYON—Lin., 1783. Tall Cotton Grass.
Cold, shaded swamps. Abundant. Tamerac swamp.
1881. Aug.
- E. GRACILE—Koch, 1800. Slender Cotton Grass.
Bogs. Not rare. Cicero swamp, 1881. June, Sept.
- E. VIRGINICUM—Lin., 1753. (*E. Virginicum var Album*
—Gray). Virginia Cotton Grass.
Bogs. Cicero swamp, 1881. Has very white down.
July.

RYNCHOSPORA—Vahl, 1806.

- R. CORNICULATA—A. Gray, 1815. (*R. C. macrostachys*—
Britton, 1892.) Horned Rush. Rare.
- R. ALBA (*L*)—Vahl, 1806. White-beaked Rush.
Plentiful in Cicero swamp, 1882.
- R. CAPILLACEAE—Torr, 1826. Capillaria Beaked Rush.
Swamps and moist places. Not rare. Centreville, 1882.
Aug.
- R. GLOMERATA—Vahl, 1806. Clustered-beaked Rush.
Bristles always barbed downward. Centreville, Aug.,
1882.

SCLERIA—Berg., 1765. Nut Rush.

- S. PANCIFLORA—Muhl, 1805. Papillose Nut Rush.
Indian Hill, July, 1889. Disk bears six tubercles or
glands in pairs. Rare.
- S. VERTICILLATA—Muhl, 1805. Low Nut Rush.
Disk obsolete. Rare. Hutchinson farm, Onon. Hill.
Aug., 1890.

CAREX—Lin., 1753.

- C. PAUCIFLORA—Lightf, 1777. Few-flowered Sedge.
Common in sphagnum swamps. Cicero swamp, 1890.
Jamesville Road and Tamerac swamp, 1891.
- C. FOLLICULATA—Lin., 1773. Long Sedge.
Centreville, 1890. Somewhat localized.

- C. INTUMESCENS—Rudge, 1804. Bladder Sedge.
Common in moist pastures. Near White Lake.
- C. ASA GRAYI—Bailey, 1893. Gray's Sedge.
Frequent. Onon. Hill, Aug., 1891.
- C. LUPILINA—Muhl, 1806. Hop Sedge.
Rare. Clay, 1890.
- C. LUPULIFORMIS—Sartwell, 1850. Hop-like Sedge.
Not common. Indian reservation, 1891.
- C. OLIGOSPERMA—Mich., 1803. Few-seeded Sedge.
Frequent. Otisco, July, 1891.
- C. UTRICULATA—Boot, 1840. Bottle Sedge.
Common in swamps. Very varied. Clay, 1890.
- C. TUCKERMANI—Dewey, 1845. Tuckerman's Sedge.
Abundant in Tamerac swamp. July, 1890.
- C. RETRORSA—Schwein, 1824. Retrorsa Sedge.
Common in swamps. Tamerac, 1889.
- C. HARTII—Dewey, 1866. Hart Wright's Sedge.
Very similar to Retrorsa. Onon. Valley, 1891.
- C. LURIDA—Wahl, 1803. Sallow Sedge.
Varies to next species. Clay and Euclid. 1891 and 1892.
- C. BAILEYI—Britton, 1895. (*C. Gracilis*—*R. Br.*, 1810.)
Bailey's Sedge.
Not rare. Riegal's Swamp, Centerville. Aug. 1890.
- C. SCHWEINITZII—Dewey, 1824. Schweinitz's Sedge.
Not common. Otisco, 1895. S. Cole.
- C. HYSTRICINA—Muhl, 1895. Porcupine Sedge.
Plentiful in low stagnant places. Geddes Farm.
- C. PSEUDO CYPERUS—L., 1753. Cyperus-like Sedge.
Plenty on shores of Oneida Lake.
VAR AMERICANA—Hochst. Amer. Cyperus Sedge.
Indian Reservation, Aug. 1890.
- C. COMOSA—Boot, 1846. Bristly Sedge.
Common. Swamps. Clay, 1891.
- C. SQUARROSA—Lin., 1753. Squarrose Sedge.
Not frequent. Occasional in bogs. Clay, Sept., 1891.

- C. RIPARIA—W. Curtis, 1821. Riverbank Sedge.
Common in swales. Mud Creek, 1881.
- C. SCABRATA—Schwein, 1824. Rough Sedge.
Occasional. O. Hutchinson Farm, Onon. Hill, June,
1891.
- C. VESTITA—Willd, 1805. Velvet Sedge.
Abundant in Brittain woods and sandy roadside. June,
1891.
- C. LANUGINOSA—Mich., 1803. Wooly Sedge. (*C. Fili-*
formis var *Latifolia*—Boeckl, 1876.)
Indian Res., 1891.
- C. FILIFORMIS—Lin., 1753. Slender Sedge.
Bogs. Frequent. Onon. Hill. Cicero Swamp. June,
1890.
- C. HIRTA—Lin., 1753. Hairy Sedge.
Grain Fields near Collamer. July, 1890.
- C. FUSCA—All., 1785. (*C. Buzbaumii*—Wall, 1803.)
Brown Sedge.
Frequent. Bogs. June, 1890. Cicero Swamp.
- C. STRICTA—Lam., 1789. Tussock Sedge.
Very variable. Wet places. Cicero swamp. 1891.
- C. STRICTA AUGUSTATA—Boot, 1890.
Found with stricta. Differs in color, form of nodes,
etc. Not as plentiful as stricta.
- C. HAYDENI—Dewey, 1854. (*C. Aperta*—Carey, 1848.
In Gray's revised var. decora—Baily, 1888.) Hay-
den's Sedge.
Occasional. Swamp. Indian Res., July, 1891.
- C. AQUATILIS—Wahl, 1803. Water Sedge.
Not rare. Banks Onon. Creek and Onon. Lake; also in
Riegal Swamp. 1891 and 1892.
- C. GOODENOVI—J. Gay, 1753. (*Carex Vulgaris*—E. Fries,
1842.) Goodenough Sedge.
Abundant in Salt Marsh only, Near Onon. Lake. June
to September.
- C. CUSPIDATA—Wahl, 1803. Cuspidate Sedge. Common.
Clay. Salt Marsh near old salt mill. 1890, 1908.

- C. TORTA—Boot, 1843. Twisted Sedge.
Flower stalk slightly twisted toward apex. Near Otisco Lake. 1889.
- C. PRASINA—Wahl, 1803. Drooping Sedge.
Frequent in meadows and moist woods. One of our most graceful sedges. Tully. 1890.
- C. LIMOSA—Lin., 1753. Mud Sedge.
Not rare in stagnant waters. Clay. 1889.
- C. MAGELLANICA—Lam., 1789. (*Carex Irrigua*—Smith, 1826.) Magellan Sedge.
Infrequent. Pompey Hill. 1889.
- C. CRINITA—Lam., 1789. Fringed Sedge.
Common in low marshy grounds. Rockwell Springs. 1891.
- C. GYNANDRA—Schwein, 1824. Nodding Sedge.
Strongly resembles crinita, smaller in all of its parts with rough awlshaped scales. Swamp near Otisco Lake.
- C. VIRESCENS—Muhl, 1805. Downy Green Sedge.
Infrequent. Woods throughout Onondaga Co. Woods Onon. Hill, July, 1898.
- C. GRACILLIMA—Schwein, 1824. Graceful Sedge.
Tall and graceful sedge. In moist woods and meadows. Otisco.
- C. CASTANEA—Wahl, 1803. (*Carex Flexilis*—Rudge, 1804.) Chestnut Sedge.
Found in vicinity of chestnut trees, more than elsewhere. North Syracuse, 1892.
- C. DEBILIS VAR PUBERA—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. TENUIS—Rudge, 1804. Slender Stalked Sedge.
Tall and slender. Not frequent. Montfredy's Gorge, July, 1889.
- C. OBLITA—Stend, 1855. (*Carex Glabra*—Boot, 1860.)
Dark Green Sedge.
Montfredy's Gorge, July, 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.) Glaucous 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. MEADII—Dewey, 1842. (*C. Tetanica* var. *Cambyi*, 1847). Mead's Sedge.
Frequent. Swamps etc. Meadow, Onon. Valley, near creek, June, 1890.
- C. LAXIFLORA—Lam, 1789. (*C. Blanda* — Dewey, 1842).
Loose Flowered Sedge.
Frequent. Meadows and thickets. So. Onon., June, 1889.
- C. DIGITALIS—Wild, 1805. Slender Wood Sedge.
Frequent. Rich woods. Long Branch, July, 1890.
- C. CAREYANA—Torr, 1836. Carey's Sedge.
Rare. Woods. Crouse Farm, E. Syracuse, 1889.
- C. ALBURSINA—Sheldon. (*Bull. Torr Club*, 1893) (*C. laxifolia*—Boot, 1853).
Infrequent. Woods near Cicero, July, 1889.
- C. PLANTAGINEA—Lam, 1789. Plantain Leaved Sedge.
Frequent. Moist woods, banks of streams and ravines. Peppermill Gorge, South Onon., July, 1898.
- C. LAXICULMIS—Schwein, 1824. (*C. Retrocurva*—Dewey, 1845.) Spreadig Sedge.
Common everywhere. Euclid, 1889.
- C. PLATYPHYLLA—Carey, 1847. Broad-leaved Sedge.
Common. Jamesville Road and South Onondaga. June, 1889.
- C. PANICEA—Lin., 1753. Carnation or Grass-like Sedge.
Common. Moist fields and meadows. Marcellus, 1890.
- C. AUREA—Nutt, 1818. Golden Fruited Sedge.
Frequent. Wet meadows, moist rocks. Green Lake. July, 1892.
- C. SETIFOLIA—Dewey, 1826. (*C. Eburnea*—Boot, 1840).
Bristle-leaved Sedge.
Frequent. Tufted. In sandy soil. Jamesville, 1892.
- C. PEDUNCULATA—Muhl, 1805. Long-stalked Sedge.
In dry woods and old orchards. Barnyard, Onon. Hill.
- C. PEDICELLATA — Britton, 1894. (*Carex Communes* — Bailey, 1889.) (*Carex Varia*—Dewey, 1896.) Fibrous-rooted Sedge. Abundant. Roadsides and old country gardens. A nuisance. Home garden, during summer after June. 1890 to 1910.

- C. PENNSYLVANICA—Lam, 1789. Pennsylvania Sedge.
Frequent in dry soil. Jamesville, 1891.
- C. VARIA—Muhl, 1803. Emmons' Sedge.
Frequent in dry soil. Onon. Hill, June, 1892.
- C. NOVAE ANGLIAE—Schwein. New England Sedge.
In cool, moist, shady places. Pompey Hill, Aug., 1890.
- C. DEFLEXA—Hornem, 1821. Northern Sedge.
Frequent on high grounds. Pompey Hill, Aug., 1890.
- C. PRAECOX—Jacq, 1778. Vernal Sedge.
Infrequent. Fields. Naturalized from Europe. In an
old orchard, Onon. Hill, 1893.
- C. UMBELLATA—Schk., 1806. Umbrella-like Sedge.
Sandy knolls and banks. Infrequent. North Syracuse,
June, 1894.
- C. PUBESCENS—Muhl, 1805. Pubescent Sedge.
Frequent in moist meadows and thickets. Ind. Res.,
July, 1891.
- C. SCIRPOIDEA—Mich, 1803. Scirpus-like Sedge.
Rare. High rocky places. Jamesville Road, July, 1910.
- C. WILLDENOVII—Schk., 1806. Willdenow's Sedge.
Rare. Rich woods. Britton's Woods, June, 1891.
- C. JAMESII—Schw, 1824. James' Sedge.
Earliest spring sedge. Frequent. Dry woods. Mar-
cellus, May, 1890.
- C. LEPTALEA—Wahl, 1803. Bristle-stalked Sedge.
Common. Bogs, especially with Sphagnum. Cicero
Swamp, June, 1889.
- C. REDOWSKYANA — Meyer, 1825. (*C. Gymnocrates* —
Wenck, 1841.) Redowsky's Sedge.
Rare. Cold sphagnum swamps. Howlett Swamp, June,
1890.
- C. EXILIS—Dewey, 1828. Coast Sedge.
Frequent. Swampy places and banks of streams.
Long Branch, June, 1890.
- C. CHORDORHIZA—Lin., 1753. Creeping Sedge.
Frequent. Along streams. Bank of Onon. Lake, July,
1829.

- 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-fruited 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 Panicked Sedge.
Infrequent. In swamps. Ind. Reservation, 1889.
- C. TERETIUSCULA—Gooden, 1794. Lesser Panicked Sedge.
Common. In swampy lands. Swamp near Euclid, 1889.
- C. ALOPECOIDEA—Tuckerm, 1843. (*Carex Cephalophora*
var. Maxima—Dewey, 1842.) Foxtail Sedge.
Frequent in meadows. Skaneateles, July, 1889.
- C. VULPINOIDES—Michx, 1803. Fox Sedge.
Very variable. Common in swamps and banks of
streams. Bank Onon. Creek, July, 1890.
- C. SARTWELLII—Dewey, 1842. Sartwell's Sedge.
Frequent in bogs. Camillus, Aug., 1890.
- C. TENELLA—Schk, 1801. Soft-leaved Sedge.
Abundant in bogs. Baldwinsville, near Beaver Lake,
July, 1882.
- 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. MURICATA—Lin., 1753. Lesser Prickly Sedge.
Infrequent. In dry fields and old pastures. Onon. Hill
and Marcellus, June, 1893.
- C. SPARGANOIDES—Muhl, 1805. Bur-reed Sedge.
Frequent. Rich woods. Hopper's Glen, June, 1889.
- C. CEPHALOIDEA—Dewey, 1840. Thin-leaved Sedge.
Frequent in dry fields. Onondaga Hill, June, 1890.
- C. CEPHALOPHORA—Muhl, 1805. Oval-headed Sedge.
Frequent on dry sloping soil or mounds and hillsides.
Resembles *C. Leavenworthii*. Strongly nerved. Onon.
Hill, June, 1890.
- C. MUHLENBERGII—Schk, 1806. Muhlenberg's Sedge.
Rare. On dry hills and fields. Onon. Hill, June, 1890.
- C. STERILLIS—Willd, 1805. (*Sterillis Echinata* var. *Mic-
rostachys*—Boeckl, 1875.) Little Prickly Sedge.
Common and variable. Montfredy's Gorge, July, 1881.
- C. ATLANTICA—Bailey, 1893. Eastern Sedge.
Rare. In swampy places. Swamp, Valley Road, 1898.
- C. CANESCEUS—Lin., 1753. Silvery Sedge.
Frequent in bogs. (*Sphagnum*). Tameræ and Cicero
Swamps, June, 1890.
- C. TRISPERMA—Dewey, 1825. Three-fruited Sedge.
Infrequent. Swamps and damp woods. Swamp in
Otisco, July, 1890.
- C. DEWEYANA—Schwein, 1824. Dewey's Sedge.
Frequent. In dry fields and hillsides. Mr. Calthrop's
Grove, July, 1890.
- C. SICCATA—Dewey, 1826. Dry Spiked Sedge. Hillside
Sedge.
Occasional. Mr. Calthrop's Hill, July, 1890.
- C. TRIBULOIDES—Wahl, 1803. (*C. Lagopodioides* — *Schk.
1806.*) Blunt Broom Sedge.
Frequent. Low grounds and fields. Fields east of
Syracuse, Aug., 1890.
- C. SCOPARIA—Schk, 1806. Pointed Broom Sedge.
Common in open swamps. Swamp near Long Branch,
Aug., 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.
- C. CRISTATELLA—Britton, 1895. (*C. Tribuloides var. Cristata*—Bailey, 1886.) Crested Sedge.
 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.
 Britton says: "Perhaps better regarded as distinct species." In S. B. C. collection. Varieties: Brevior, Typica, Hyalina, and Meadii. Found in dry soil. Frequent and var. Foenea. Found in Salt Marsh, Onon. Lake.
- C. TENERA—Dewey, 1824. Marsh Straw Sedge.
 Common or plentiful in marsh north of 1st Ward near watering trough. Cicero Plank Road, July, 1908.
- C. FESTUCACEA—Willd, 1805. (*C. Straminea var. Brevior*—Dewey, 1826.) Fescue Sedge.
 Frequent. Roadside north from Salina, July, 1908.
- C. ALATA—Torr, 1836. (*C. Straminea var. Alata*—Bailey, 1884.) Broad-winged Sedge.
 Occasional with C. Straminea. Salt Marsh, near Onon. Lake, June, 1905.

ARACEÆ—Neck, 1770—Arum Fam.

ARISAEMA—Mort, 1831.

- A. TRIPHYLLUM—Torr, 1843. (*Arum Triphyllum*—Lin., 1753.) Jack in the Pulpit. Indian Turnip.

Flowers sometimes purple striped and others decidedly green striped, otherwise a close resemblance. Find no Botanist that classes them separately. Common in rich woods. Onon. Hill, May, 1895.

- A. DRACONTIUM — Schott, 1832. (*Arum Dracoutium* — Lin., 1753.) Green Dragon.

Rare. Near Rockwell Springs, June 1909, Katharine Kent.

PELTANDRA—Raf, 1819.

- P. VIRGINICA—Kunth, 1841. (*P. Undulata*—Raf.) Green Arrow Arum.

Rare. Very wet soil or shallow water. Tully Lake, July, 1896.

CALLA—Lin., 1753.

- C. PALUSTRIS—Lin., 1753. Wild Calla. Water Arum. Not rare. In cold bogs. Cicero Swamp, June.

SPATHYEMA—Raf, 1808.

- S. FOETIDA—Raf, 1808. (*Symplocarpus Foetidus*—Nutt, 1818.) Skunk Cabbage.

Common. Swamps. Near Kirk Park, or Brick Yard, 1886.

ORONTIUM—Lin., 1753.

- O. AQUATICUM—Lin., 1753. Golden Club.

Rare. Found by S. Cole, Otisco.

ACORUS—Lin., 1753.

- A. CALAMUS—Lin., 1753. Sweet Flag.

Common in many swamps. Brewerton, 1895.

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.
- L. MINOR—Lin., VGE. Lesser Duckweed.
Common in stagnant waters. North of Salina, 1885.

WOLFFIA—Horkel, 1839.

- W. COLUMBIANA—Karst, 1865. Columbia Wolffia.
Floating yet slightly emersed. Very small. Tully, July, 1885.
- W. BRAZILIENSIS—Nedd, 1849. Brazil Wolffia.
Floating. Cellular, with brown spots. Apulia Pond, 1885. Both difficult to collect.

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.
Rare. On shores partially submerged. Small clump of land in Tully Lake, 1895, and Long Pond.

PONTEDERIACEAE—Dumont, 1829—Pickerel Weed Fam.

PONTEDERIA.

- P. CORDATA—Lin., 1753. (*Pontederia Cordata* var. *Angustifolia*—Torr, 1824.) Pickerel Weed.
Onon. Lake, Aug., 1895.

HETERANTHERA—Ruiz and Pov, 1794.

- H. DUBIA — MacM., 1892. (*Heteranthera Graminea* — Vahl, 1806.) Water Star-grass.
Muddy borders of stagnant water. Near Long Branch, Aug., 1895.

JUNCACEÆ—Vent, 1799—Rush Fam.

JUNCUS—Lin., 1753.

- J. EFFUSUS—Lin., 1753. Common Rush or Soft Rush.
Common in swamps and moist places. By Iron Pier, 1895.
- J. FILIFORMIS—Lin., 1753. Thread Rush.
Rare. Shore of Oneida Lake, July, 1895.
- J. BALTICUS—Willd, 1809. Baltic Rush.
Rare. Sandy shore of Oneida Lake and Tamerac Swamp.
- J. MARITIMUS—Lam., 1789. Sea Rush.
Plentiful on Salt Marsh, shore of Onon. Lake. The only locality reported here.
- J. BUFONIUS—Lin., 1753. Toad Rush.
Common in gutters, country roadside. Onon. Valley Road, 1895.
- J. GERARDI—Loisel, 1809. Black Grass.
Abundant in Salt Marsh, Onon. Lake. Summer, 1895.
- J. TENUIS—Willd, 1799. Slender Rush, Door Yard Rush.
Abundant everywhere. Vegetable gardens, Onon. Hill.
- J. SECUNDUS—Beauv, 1813. (*Juncus Tenuis* var. *Secundus*—Engleman, 1866.) Secund Rush.
Not common. Dry soil. Old grain stubble, 1895.

- J. DICHOTOMUS—Ell, 1817. Forked Rush.
Plentiful near shores of Onon. Creek and dry sandy fields. South Onon., 1895.
- J. PELOCARPUS—E. Meyer, 1823. Brownish-fruited Rush.
Very slender with scattered flowers. Plentiful. Adapts itself to wet or dry soils, sand or clay. D. yard, 1895.
- J. ARTICULATUS—Lin., 1753. Jointed Rush.
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.)
Wet sandy soil. Occasional. Pleasant Beach, Onon. Lake, Aug., 1885.
- J. NODOSUS—Lin., 1753. Knotted Rush.
Common. Low muddy grounds. Mud Lock, 1885.
- J. TORREYI—Coville, 1895. (*Juncus Nodosus* var. *Megacephalus*—Torr, 1843.) Torrey's Rush.
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.
- J. MEGACEPHALUS—M. A. Curtis, 1835. Caroline Rush.
Reported from good authority. Have not personally seen this rush.
- J. BRACHYCEPHALUS — Buch, 1890. (*Juncus Canadensis* var. *Brachycephalus*.) Small-headed 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. Typical form. Bridgeport Road, 1889.
- J. ACCUMINATUS—Michx, 1803. Sharp-fruited Rush.
Fruit acute at both ends. Very variable. Not rare. July, 1886.

JUNCOIDES—Adams, 1763.

(Luzula—D. C., 1805.)

- J. PILOSUM — Kuntze, 1891. (*Luzula Pilosa* — Willd, 1809.) Hairy Wood-rush.
Fruit hooked at apex. Plentiful. Calthrop Woods, 1885.
- J. PARVIFLORUM — Coville, 1893. (*Luzula Parviflora* — Desv, 1808). Small-flowered Wood-rush.
Common. Dry hillsides. Primrose Hill, Aug., 1895.
- J. CAMPESTRE—Kuntze, 1891. (*Luzula Campestris* — D. C., 1805.) Common Wood-rush.
Common in dry fields from early spring through summer. Seeds with a conical appendage at base.

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

(Liliceae—Adams, 1763.)

TOFIELDIA—Huds, 1778.

- T. GLUTINOSA—Pers, 1805. Glutinous Tofieldia.
Rare. In bogs. Localized. Tamerac Swamp, May, 1886.

CHAMAELIRIUM—Willd, 1808.

- C. LUTEUM—A. Gray, 1848. (*Chamaelirium Coroalini-
anum*—Willd, 1808.) Blazing Star.
Rare. In moist lands. Perry tract, near Onon. Valley Road, July, 1905.

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.

- V. VIRIDE—Ait, 1789. American White Hellebore.
Common in swamps and wet woods. Indian Reservation etc., June, 1882.

UVULARIA—Lin., 1753.

- U. PERFOLIATA—Lin., 1753. Perfoliate Bellwort.
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.
- U. SESSILIFOLIA — Lin., 1753. (*Oakesia Sessilifolia* —
Watts, 1879.) Sessile-leaved Bell-wort.
Not as frequent as the two former, but similar habitat.
Brewerton, Apr., 1890.

LILIACEÆ—Adams, 1763—Lily Fam.

HEMEROCALLIS—Lin., 1753.

- H. FULVA—Lin., 1762. Day Lily.
Frequent in meadows and roadsides. Escaped. Fair-
mount, 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.
- A. SCHAENOPRASUM—Lin., 1753. Chives.
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. VINEALE—Lin., 1753. Field Garlic.
Moist meadows. A spreading nuisance. Onon. Hill,
1885.
- A. CANADENSE—Lin., 1753. Meadow Garlic.
Similarity to Vineale almost complete and habitats the
same.

LILIUM—Lin., 1753.

- L. PHILADELPHICUM—Lin., 1753. Red Lily. Wild Orange-red Lily.
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.
- E. ALBIDUM—Nutt, 1818. White Adder's-tongue.
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.

- O. UMBRELLATUM—Lin., 1753. Star-of-Bethlehem.
Rare. In fields and meadows. Probably escaped from gardens and became naturalized. Near a brook in meadow, Onon. Hill and Howlett's Woods, June, 1885.

MUSCARI—Mill, 1759.

- M. BOTRYOIDES—Mill, 1768. Grape Hyacinth.
Rare. Escaped from gardens. Alvord Woods, May, 1880.

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

ASPARAGUS—Lin., 1753.

- A. OFFICINALIS—Lin., 1753. Asparagus.
Frequent. Escaped from gardens and naturalized.
Salt Marsh and Alvord Woods. June, 1885. May, 1880.

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 Spikeland.
(*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.
- V. TRIFOLIA—Morong (*Mem. Torr Club, 1894.*) (*Smilacena trifolia—Desf, 1807.*) Three-leaved Solomon's Seal.
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.

- S. AMPLEXIFOLIUS—D. C., 1805. Claspingleaved Twisted-stalk. Occasional. Rich soil. Roadside, Brewerton, 1887.

- S. ROSEUS—Michx, 1803. Sessile-leaved Twisted-stalk.
Occasional. Rich soil. Brewerton, near O. River, June,
1887.

POLYGONATUM—Adams, 1763.

- P. BIFLORUM—Ell, 1817. Hairy Solomon's Seal.
Not common. Rich woods. Near Manlius, May, 1895.
P. COMMUTATUM—Dietr, 1835. (*P. Giganteum*). Smooth
Solomon's Seal.
Rare. Open fields, banks of streams, etc. Tully, June,
1886.

MEDEOLA—Lin., 1753.

- M. VIRGINIANA—Lin., 1753. Indian Cucumber-root.
Common in rich, moist woods. Round Lake Woods,
June, 1900.

TRILLIUM—Lin., 1753.

- T. GRANDIFLORUM—Salisb, 1805. Large-flowered Wake-
robin.
Common in rich woods everywhere. May and June.
T. GRANDIFLORUM VAR. VARIEGATUM—Peck, 1895: Varia-
ble 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.
T. UNDULATUM—Willd, 1801. (*Trillium Erythrocarpum*
Michx, 1803). Painted Trillium or Wake-robin.
Not common. Localized. Pratt's Falls, Clay, Center-
ville, Tully. Pratt's Falls, May, 1890.

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.
- S. ROTUNDIFOLIA—Lin., 1753. Green-brier. Cat-brier.
Moist thickets and fence rows. Occasional. South
Onon., May, 1890.
- S. HISPIDA—Muhl, 1843. Hispid Green-brier.
Occasional in thickets. River bank, opposite Long
Branch.

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

GYROTHECA—Salisb, 1812.

- G. CAPITATA—Morong, Torr Club, 1893. (*Lachnanthes*
Tinctoria—Ell, 1816.) Red-root.
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.

SISYRINCHIUM—Lin., 1753.

- S. ANGUSTIFOLIUM—Mill, 1759. Pointed Blue-eyed Grass.
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.

CYPRIPEDIUM—Lin, 1753.

- C. ARIETINUM—R. Br., 1813. Ram's-head Ladies' Slipper.
Moist woods and swamps. Not common. Tamerac Swamp, 1879.
- C. ACAULE—Ait, 1789. Moccasin Flower. Stemless Ladies' Slipper.
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.
- C. CANADIDUM—Willd, 1805. Small White Ladies' Slipper.
Rare. Cicero Swamp and Tamerac, June, 1891. Appears like a variation of C. Parviflorum.
- C. HIRSUTUM — Mill, 1768. (*Cypripedium Pubesceus*).
Large Yellow Ladies' Slipper.
Occasional, especially in rocky hillsides. Jamesville Woods and scattering throughout the county. Britton's Woods, 1885.

- 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. SPECTABILIS—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.
- H. HOOKERIANA—A. Gray, 1836. (*Habernaria Hookerii* —Torr, 1836.) Hooker's Orchis. Rare. Rich woods. Two leaves basil. Baldwinsville, Twin Lakes. July, 1887.
- H. OBTUSATA — Richards, 1823. Small Northern Bog. Very rare. One leaf only. Basil. Obovate. Cicero Swamp, June, 1897.
- H. HYPERBOREA—R. Br., 1813. Tall Leafy Green Orchid. Occasional. Scattered. Otisco, Geddes Woods.
- H. DILITATA — Hook, 1825. (*Orchis Dilitata* — Pursh 1814). Tall White Bog Orchis. Frequent. Woods and moist roadsides. Geddes Woods, July, 1880.
- H. BRACTEATA—R. Br., 1813. Long Bracted Orchis. Moist meadows and damp woods. Scarce. Otisco, July, 1896.

- H. CLAVELLATA—Spreng, 1826. (*Habernaria Tridentata* —Hook, 1825.) Small Green Wood-Orchis.
One oblanceolate, long basal leaf; smaller one above; bractlike. Rare. Wooded swamps. Centerville swamp. July, 1890.
- H. FLAVA — A. Gray, 1840. (*Habernaria virescens* —Spreng, 1826). Tubercled Orchis. Pale Green Orchis.
Occasional in damp woods. Near Clay. June, 1889.
- H. CILIARIS—R. Br., 1813. Yellow-fringed Orchis.
Rare. Meadows and moist places. Mound. Cicero swamp, and by S. Cole, Otisco.
- H. BLEPHARIGLOTTIS—Torr., 1826. White-fringed Orchis.
Rare. In swampy places. Centerville. Cicero swamp. July, 1889.
- H. LACERA—R. Br., 1810. (*Orchis lacera*—Michx, 1803). Ragged Orchis.
Rare. By S. Cole, Otisco and Beaver Lake, Baldwinsville.
- H. GRANDIFLORA — Torr, 1826. (*Habernaria fimbriata*, 1867). Large Purple-fringed Orchis.
Occasional. Outlet of Onon. Lake and Tulley Lake; Sometimes roadside, in moist localities. July.
- 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.
Occasional in moist, open places and roadsides. Otisco, July. Cole.

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.

- P. TRIANTHOPHORA—B. S. P., 1888. (*Pogonia Pendula*—*Lindl, 1825.*) Nodding Pogonia.

In rich, moist woods and bogs. Beaver Lake and Tamerac Swamp. Not plentiful. Geddes Woods, Aug., 1883.

- 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.
Scattered. Infrequent. In bogs. Very pretty. Medium size. Tamerac. Location yielding to civilization.

EPIPACTIS—R. Br., 1813.

- E. VIRIDIFLORA—Reichb, 1830. (*E. Helleborina*—*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. CERNUA—Kuntze, 1891. (*spiranthes Cernua* — *Rich.*)
Occasional. Wet places and roadsides. Roadside near Cicero Swamp, Sept., 1890.

- 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. Br., 1813.

- L. CORDATA—R. Br. Heart-leaved Twayblade.
Rare. Woods north from Clay Station, July, 1895.
- L. AUSTRALIS—Lindl, 1840. Southern Twayblade.
Occasional. Bogs, ditches, etc. Found by S. B. C. member in Cicero Swamp, with three leaves. July, 1895.

PERAMIUM—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.
Occasional. Rich woods. Jamesville Woods, Skaneateles, July, 1893.
- P. MENZIESII—Morong. (*Mem. Torr Club, 1894*). (*Goodyera Menziesii*—Lindl, 1840.) Menzie's Rattlesnake Plantain.
Rare. Rich woods. Hopper's Glen, Aug., 1898. L. Roberts.

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.)

- L. LILIFOLIA—Kuntze. (*Rev. Gen. Pl. 671, 1891*). (*Liparis Lillifolia—Rich, 1825*). Large Twayblade.
Rare. Cicero, Apulia, Otisco, May, Aug., 1897, 1898.
- L. LOESELII — MacM., 1892. (*Liparis Loeselii—L. C. Rich, 1825.*) Fen Orchis. Lessel's Twayblade.
Rare. Wet thickets. Near Apulia Pond, 1893. (L.L.G.)

CALYPSO—Salishb, 1807.

- C. BULBOSA—Oakes, 1842. Calypso.
Very rare. One only reported. Found by (*Samuel Cole*) Otisco.

CORALLORHIZA—R. Br., 1813.

- C. CORALLORHIZA—Karst, 1880. (*C. Innata — R. Br.*)
Early Coral-root.
Occasional. Often under pine trees. Early spring.
Otisco and South Onondaga, May, 1896.
- C. ODONTORHIZA—Nutt, 1878. Small-flowered Coral-root.
Not plentiful. Rich woods, limestone rocks, and moist places. Otisco, Geddes Gorge, July, 1882.
- C. MULTIFLORA—Nutt, 1823. Large Coral-root.
Infrequent. Rich woods. A very large specimen found by the writer, L. L. G., in Geddes Gorge, July, 1889.

TIPULARIA.

- T. UNIFOLIA—B. S. P., 1888. Crane-fly Orchid.
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.

- L. TUBEROSUM—Lin., 1753. (*Calopogon Pulchellus — R. Br., 1813.*) Grass Pink. Calopogon.
Frequent. Formerly abundant in Tamerac Swamp. Locality nearly destroyed through civilization. June, 1895.

APLECTRUM—Nutt, 1818.

- A. SPICATUM—B. S. P. (*Prel. N. Y. Cat., 1888*). (*Aplectrum Hyemale—Willd, 1805.*) Adam and Eve. Putty Root.

Occasional in moist, cool woods. Near Kirkville Green Lake, 1895.

DICOTYLEDONES

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

SAURURUS—Lin., 1753.

- S. CERNUUS—Lin., 1753. Lizard's-tail.
Frequent. Swamps and borders of waters. Long Branch, 1890.

JUGLANDACEÆ—Lindl, 1836—Walnut Fam.

JUGLANS—Lin., 1753.

- J. NIGRA—Lin., 1753. Black Walnut.
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.
- J. CINEREA—Lin., 1753. Butter-nut. White Walnut.
Frequent. Distributed over all parts of county. Jamesville, Rockwell Springs, 1890.

HICORIA—Raf, 1808.

(*Carya—Nutt, 1818.*)

- H. MINIMA—Britton. (*Torr. Bull, 1888*). (*Carya Amasa Nutt, 1818.*) Bitter-nut. Swamp Hickory.
Frequent. Roadsides and fields. Willow St., Syracuse, June, 1899.
- H. OVATA—Britton. (*Mem. Torr Club, 1888*). (*Carya Alba—Nutt, 1818.*) Shag-bark Hickory.
Frequent. Rich lands. Gen. O. Hutchinson's old farm, Onon. Hill, May, 1879.

- H. LASCINIOSA—Sarg. (*Torr Club, 1894*). (*Carya Sulcata*—Nutt, 1818.) Big Shag-bark.
Less frequent. Distributed. Phoenix Road, June, 1885.
- H. ALBA—Brit. (*Torr Bull, 1888*). (*Carya Tomentosa*—Nutt, 1818.) Small-fruited Hickory.
Infrequent. Not localized. Old grove, Willow St. Flowers in June, fruit in Oct. 1889.
- H. MICROCARPA—(Britton — *Torr Bull, 1889*). (*Carya Microcarpa*—Nutt, 1818.) Small-fruited Hickory.
Frequent. Open fields and woods. Field west from St. Agnes Cemetery, June, 1905.
- H. GLABRA—Britton. (*Torr, Bull, 1888*). (*Carya Porcina*—Nutt, 1818.) Pig-nut Hickory.
Infrequent. Dry hillsides. West from Hopper's Glen, 1891.

MYRICACEÆ—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.

SALICACEÆ—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.
- P. BALSAMIFERA—Lin., 1753. Tacamahac. Balsam Poplar.
Not common. Large tree secreting from its buds a deliciously fragrant resin. Also probably introduced. Onondaga, Apr., 1885.
- P. CANDICANS—Hart, 1759. Balm of Gilead.
Rare. Fragrance similar to Balsamifera. Probably escaped from cultivation. Roadside, Onon. Valley.

- P. HETEROPHYLLA—Lin., 1753. Swamp, or Downy Poplar. Leaf buds very wooly, but smoothe with age. Swamps and banks of water. Skaneateles Lake, 1885.
- P. GRANDIDENTATA—Michx, 1803. Large-toothed Aspen. Common. Rich woods and borders of streams. Dewitt, Apr., 1885.
- P. TREMULOIDES—Michx, 1803. American Aspen. Common. Adapts itself to any kind if soil: wet, dry, sand, or clay. Kirk Park, Apr., 1885.
- P. DILITATA—Lin., 1753. Lombardy Poplar. Plentiful. Planted for ornament, though a poor shade tree. Bank of Seneca River, Apr., 1885.
- P. DELTOIDES — Marsh, 1785. (*Poplus Monilifera* — Ait, 1789.) Cottonwood. Necklace Poplar. Damp places, especially near streams and ponds. Common along shores of Oneida Lake. Apr., May, 1885.

SALIX—Lin., 1753.

- S. NIGRA—Marsh, 1785. Black Willow. Banks of streams. Common. Onon. Creek, 1885.
- 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. AMIGDALOIDES—Anders, 1858. Peach-leaved Willow. Not common. Found in Kirk Woods, May, 1885. Dudley.
- S. LUCIDA—Muhl, 1803. Shining Willow, or Glossy Willow. Frequent. Collected for ornament on account of its long, tapering, glossy leaves. Banks of Seneca River, near Long Branch. May, 1885.
- S. FRAGILIS—Lin., 1753. Crack Willow, or Brittle Willow. Not common and thought to be a hybrid or escaped from cultivation.
- S. ALBA—Lin., 1753. White Willow. Rare. Probably escaped from cultivation. Along banks of streams.

- 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.
Along streams and ponds. Common shrub. Brewerton, May, 1885.
- S. BEBBIANA—Sarg, 1895. (*Salix Rostrata.*) Bebb's Willow.
Frequent in ravines. Clay, May, 1895.
- S. HUMILIS—Marsh, 1785. Prairie Willow.
Occasional in dry soil or banks of streams. Baldwinsville, May, 1895.
- S. TRISTIS—Ait, 1789. Dwarf Gray Willow. Sage Willow.
Moist places usually, yet found in dry soil. Centerville Swamp, Apr., 1890.
- S. DISCOLOR—Muhl, 1803. (*Salix Criocephala* — 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.
- S. PETIOLARIS—J. E. Smith, 1802. Slender Willow.
Occasional. Tully, May, 1898.
- S. CANDIDA—Fluegge, 1806. Hoary Willow.
Shrub frequent in cold bogs. Baldwinsville, 1890.
- S. VIMINALIS—Lin., 1753. Osier Willow.
Cultivated extensively for baskets in towns north from Syracuse. Jamesville Road, 1889, many miles from cultivated ones.
- S. PHYLICIFOLIA—Lin., 1753. Tea-leaved Willow.
Much branched shrub. Not common. Centerville, July, 1889.

- 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.
- S. *BALSAMIFERA*—Barratt. Balsam Willow.
Swamps. Frequent. Centerville, June, 1898.
- S. *UVA-URSI*—Pursh, 1814. Bearberry Willow.
Inattractive, scrubby shrub. North Syracuse, May, 1895.

BETULACEÆ—Agardh, 1825—Birch Fam.

CARPINUS.

- C. *CAROLINIANA*—Walt, 1788. American Hornbeam. Blue Beech.
Wet soil. Frequent. Camillus, May, 1890.

OSTRYA—Scop, 1760.

- O. *VIRGINIANA*—Willd, 1805. Hop-hornbeam. Ironwood.
Frequent in rich woods. Jamesville Woods, May, 1895.

CORYLUS—Lin., 1753.

- C. *AMERICANA*—Walt, 1788. Hazel-nut.
Rare. Open woods. Field near Onon. Creek, 1886.
- C. *ROSTRATA*—Ait, 1789. Beaked Hazel-nut.
Rare. Thickets, etc. Oakwood, 1890. In fruit, Sept., 1900.

BETULA—Lin., 1753.

- B. *POPULIFOLIA*—Marsh, 1785. American White Birch.
Frequent. Dry or wet soil. Boggs' Farm, Onon. Hill, May, 1885.
- B. *PAPYRIFERA*—Marsh, 1785. Paper, or Canoe Birch.
Frequent. Bark peels in thin layers. Boggs' Swamp, May, 1885.
- B. *NIGRA*—Lin., 1753. Red, or River Birch.
Not frequent. Bark peels in thin layers. Wood hard and dark. Used by cabinet makers to mahoganize. Seneca River, opposite Long Branch.

- B. LENTA—L., 1753. Cherry, Black, or Sweet Birch.
Tree resembles cherry. Aromatic oil, distilled, resembles
oil of wintergreen. LaFayette Woods, May, 1885.
- B. LUTEA—Michx, 1812. Yellow, or Gray Birch.
Rich woods. Occasional. Baldwinsville, May, 1895.
- B. PUMILA—Lin., 1753. Low Birch.
Shrub in cold bogs. Clay and Tamerac, June, 1885.

ALNUS—Gaertn, 1791.

- A. ALNOBETULA—K. Koch. (*Alnus Viridis.*) Green, or
Mountain Alder.
Baldwinsville, May, 1890.
- A. INCANA—Willd, 1805. Speckled Alder.
Frequent. Rich woods. Jamesville Road, May, 1891.
- A. RUGOSA—K. Koch, 1872. Smooth Alder.
Frequent. Hillside, Jamesville Road, April, 1890.

FAGACEÆ—Drude, 1879—Beech Fam.

FAGUS—Lin., 1753.

- F. AMERICANA — Muench, 1770. (*Fagus Ferruginea —*
1789.) American Beech.
Woods and open fields. Common. Collins' Woods,
Fayetteville, May, 1907.

CASTANEA—Adams, 1763.

- C. DENTATA—Borkh, 1800. American Chestnut.
Somewhat localized. Several in northern and southern
parts of county. Rare elsewhere. Onondaga, July,
1892.

QUERCUS—Lin., 1753.

- Q. RUBRA—Lin., 1753. Red Oak.
Dry woods, etc. Common. Onondaga Hill, June, 1885.
- Q. PALUSTRIS—DuRois, 1772. Swamp, or Pin Oak.
Wet grounds. Frequent. Dorwin Springs, June, 1893.
- 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 dyeing purposes. Suburbs of Syracuse, June, 1890.
- Q. NANA—Sarg, 1895. Bear, or Scrub Oak. A scrubby shrub. Sandy soil. North Syracuse, June, 1885.
- Q. ALBA—Lin., 1753. White Oak. Woods. Common. Oakwood Cemetery, June, 1888.
- Q. MINOR—Sarg, 1889. (*Quercus Stellato*). 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.
- Q. PLATANOIDES — Sudw. (*Rep. Sec. Agric., 1892.*) (*Quercus Bicolor*—Willd, 1801.) Swamp White Oak. Frequent. Swamps. Tamerac Swamp, May, 1890.
- Q. PRINUS—Lin., 1753. Chestnut Oak. Hillside. Rare. Round Top, May, 1892.

ULMACEÆ—Mirbel, Elem, 1815—Elm Fam.

ULMUS—Lin., 1753.

- U. AMERICANA—Lin., 1753. American, White, or Water Elm. Wet soil and banks of streams. Onon. Creek, Onon. Valley, Apr., 1890.
- U. RACEMOSA—Thomas, 1831. Cork, or Rock Elm. Rich, moist grounds. Rare. Oakwood and Onon. St., Syracuse. Possibly introduced.
- U. FULVA—Michx, 1803. Slippery, Red, or Moose Elm. Woods. Rich soil, moist or dry. Frequent. Onon. Hill, Apr., 1889.

CELTIS—Lin., 1753.

- C. OCCIDENTALIS—Lin., 1753. Hackberry. Sugarberry. Rare. Entrance to woods at Scollopendrium Green Lake and Baldwinsville. Bears edible fruit.

MORACEÆ—Lindl, 1847—Mulberry Fam.

MORUS—Lin., 1753.

- M. RUBRA—Lin., 1753. Red Mulberry.
Rich soil. Roadsides. Rare. Probably introduced.
Old Gen. Hutchinson Farm and Jas. M. Ellis' Farm,
Onon. Hill, May.
- M. ALBA—Lin., 1753. White Mulberry.
Old Gen. Hutchinson Farm and Skaneateles. Rare.
Cultivated or escaped from cultivation. May.

HUMULIS—Lin., 1753.

- H. LUPULUS—Lin., 1753. Hop Vine.
Thickets, especially banks of streams. Plentiful, but
not thought to be indigenous. Extensively cultivated.
Onon. Creek Bank, July.

CANNABIS—Lin., 1753.

- C. SATIVA—Lin., 1753. Hemp.
Waste places. Frequent. Near Salt Mill, 1st Ward.

URTICACEÆ—Reicheub, 1828—Nettle Fam.

URTICA.

- U. DIOICA—Lin., 1753. Stinging, or Great Nettle.
Waste places and damp woods. Common. All summer.
- U. GRACILIS—Ait, 1789. Slender Nettle.
Common. Waste places. Goodrich Barnyard, July.
- U. URENS—Lin., 1753. Small Nettle.
Spontaneous in old gardens, roadsides, etc. Abundant
in my yard. L. L. Goodrich, Willow St.

UTRICASTRUM—Fabr., 1759.

- U. DIVARICATUM — Kuntze. (*1891, Rev. Gen. Pl.*) (*La-
portee Candensis—Gaud.*) Wood Nettle.
Frequent. Moist places. Ravine, Kinney Woods.

ADICEA—Raf., 1815. (*Pilea*—Lindl., 1821).

- A. PUMILA—Raf. (*Torr, Flo., N. Y., 2,223*) (*Pilea pumila*—A. Gray, 1848). Rich Weed; Clear Weed.
Frequent. Moist shady places and stagnant water.

BOCHMERIA—Jacqs, 1763.

- B. CYLINDRICA—Willd., 1805. False Nettle.
Common. Shady grounds. Goodrich barn-yard, July, 1905.

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

COMANDRA—Nutt, 1818.

- C. UMBRELLATA—Nutt, 1818. Bastard Toad Flax.
Frequent. Parasitic on roots of trees. S. R. Calthrop's grove, May, 1895.

ARISTOLOCHIACEÆ—Blume, 1830—Berthwort Fam.

ASARUM—Lin., 1753.

- A. CANADENSIS—Lin., 1753. Wild Ginger.
Common. Rich woods. In patches or groups. Lafayette woods. April, 1895.

POLYGONACEÆ—Lindl., 1836—Buckwheat Fam.

RUMEX—Lin., 1753.

- R. ACETOSELLA—Lin., 1753. Field or Sheep Sorrel.
Abundant. Everywhere. Goodrich wild flower garden. August, 1899.
- R. HASTATULUS—Muhl, 1818. Englemen's Sorrel.
Rare. Saline place. Salt marsh, Solvay, 1895.
- R. SALICIFOLIUS—Weinm., 1821. White Dock.
Not common. Salt marsh, 1st ward, July, 1895.
- R. VERTICILLATUS—Lin., 1753. Swamp Dock.
Common in swamps. Apulia swamp, June, 1895.
- R. PATIENTIA—Lin., 1753. Patience Dock.
Frequent. Waste places. Old dump grounds, Sherwood tract, June, 1896.

- R. BRITANNICA—Lin., 1753. Great Water Dock.
Marshes and shallow water. Frequent. Marsh between Midland Ave. and Onondaga Creek. Aug., 1895.
- R. CRISPUS—Lin., 1753. Curled Dock.
Bountiful everywhere. Goodrich Barn-yard, May, '96.
- R. SANGUINEUS—Lin., 1753. Bloody or Red-veined Dock.
Frequent in old gardens. Goodrich driveway, July, '95.
- R. OBTUSIFOLIUS—Lin., 1753. Bitter Dock.
Fields. Common. Onondaga Valley, June, 1895.

FAGOPYRUM—Gaertn, 1791.

- F. FAGOPYRUM—Karst, 1880. (*Fagopyrum esculentum*—*Moench*). Buckwheat.
Old fields. Escaped from cultivation. Frequent.
- F. TARTARICUM—Gaertn, 1791. Tartary Buckwheat.
Occasional in waste places and old fields.

POLYGANUM—Lin., 1753.

- P. VIVIPARUM—Lin., 1753. Alpine Bistort.
High grounds. Rare. Tully, July, 1895.
- P. AMPHIBIUM—Lin., 1753. Water Persicaria.
Occasional. Lakes and ponds. Tully Lake, July, 1895.
- P. HARTWRIGHTII—A. Gray, 1870. Hartwright's Persicaria.
Rare. Shallow water and wet soil.
- P. EMERSUM—Brittain, 1889. Swamp Persicaria.
Swamps and wet soil. Long Branch, Aug., 1898.
- P. INCARNATUM—Ell, 1817. Slender Pink Persicaria.
Wet soil. Not rare. Long Branch, Aug., 1898.
- P. LAPATHIFOLIUM—Lin., 1753. Dock-leaved or Pale Persicaria.
Very variable; spreads rapidly, becoming a troublesome weed.
- P. PENNSYLVANICUM—Lin., 1753. Pennsylvania Persicaria.
Moist soil. Common. Long Branch, Aug., 1898.

- P. PERSICARIA—Lin., 1753. Lady's Thumb.
Waste places. Common. Goodrich Barn-yard, 1898.
- P. HYDROPIPEROIDES—Michx, 1803. Mild Water Pepper.
Shallow water and wet soil. Common. Centreville
swamp, 1890.
- P. HYDROPIPER—Lin., 1753. Smartweed; Water Pepper.
Ordinary soil. Common. Onon. St., Syr., Sept., 1898.
- P. PUNCTATUM—Ell, 1817. (*Polygonum acre*—H. B. K.,
1817). Dotted, or Water Smartweed.
Wet places. Common. Kirk swamp. Oct., 1898.
- P. ORIENTALE—Lin., 1753. Prince's Feather.
Frequent. Escaped from gardens. Roadside. 1898.
- P. VIRGINIANUM—Lin., 1753. Virginia Knot Weed.
Thickets. Rich soil. Common. Syracuse, July, 1899.
- P. AVICULARE—Lin., 1753. Knotgrass; Doorweed.
Common everywhere in cultivated grounds. A noi-
sive weed. Goodrich Veg. Garden, July, 1899.
- P. POLYGANUM ERECTUM—Lin., 1753. Erect Knotweed.
Roadsides. Common. Near James St. Bridge, West
Onon. St., Syracuse, Aug., 1897.
- P. RAMOSISSIMUM—Michx, 1803. Bushy Knotweed.
Sandy, moist soil. Occasional. Pleasant Beach, Aug.,
1898.
- P. TENUE—Michx, 1803. Slender Knotweed.
Dry soil. Occasional. Roadside, Clay, Aug., 1895.
- P. CONVULVULUS—Lin., 1753. Black Bindweed.
Cultivated and waste grounds. Common. Stone wall,
Clay, Sept., 1886.
- P. CILINODE—Michx, 1803. Fringed Black Bindweed.
Rocky hillside. Rare. Over old dilapidated wall.
Jamesville, 1897.
- P. SCANDENS—Lin., 1753. Climbing False Buckwheat.
Frequent. Moist thickets. Centreville, Aug., 1897.
- P. SAGITTATUM—Lin., 1753. Arrow Leaved Tear Thumb.
Marshy grounds. Common. Armed with prickles,
hence its name. Eddon swamp, No. Syracuse, Aug. 1897.

- P. ARIFOLIUM—Lin., 1753. Halbert-leaved Tear-thumb.
Habits and habitat same as sagittatum. Aug., 1897.

POLYGONELLA—Michx, 1803.

- P. ARTICULATA—Meisn, 1753. Coast Jointweed.
Dry, sandy soil. Rare. South Bay, Aug., 1897.

CHENOPODIACEÆ—Dumont, 1829

Goosefoot Fam.

CHENOPODIUM—Lin., 1753.

- C. ALBUM—Lin., 1753. Lambsquarters; White Goosefoot;
Pigweed.
Plentiful everywhere. Troublesome weed. G. barn-
yard, July, 1897.
- C. GLAUCUM—Lin., 1753. Oak-leaved Goosefoot.
Everywhere. Plentiful in waste places. Aug., 1897.
- C. POLYSPERMUM—Lin., 1753. Many-seeded Goosefoot.
Waste places and dump grounds. Syracuse, Aug., 1897.
- C. BOSCIANUM—Maq., 1840. Bosc's Goosefoot.
Plentiful; widely distributed. T, J. Leach's garden,
Aug., 1887.
- C. URBICUM—Lin., 1753. Upright or City Goosefoot.
Rare. Probably introduced. James street hill, Aug., 1897.
- C. HYBRIDUM—Lin., 1753. Maple-leaved Goosefoot.
Waste places. Common. Roadside, Onon. Valley, Aug.,
1898.
- C. RUBRUM—Lin., 1753. Red Goosefoot.
Among salt vats. Geddes Salt Marsh, Aug., 1897.
- C. BONUS HENRICUS—Lin., 1753. Good King Henry.
Becoming a nuisance weed in pastures. H. Worker
Farm, Sept., 1909.
- C. BOTRYS—Lin., 1753. Jerusalem Oak.
Rare. Secretes a pleasant flavored oil. Escaped.
- C. AMBROSIDES—Lin., 1753. Mexican Tea.
Common throughout our range. B. Douglass Terrace,
Sept., 1909.
- C. ANTHELMINTICUM—Lin., 1753. Wormseed.
Rare. Reported in two places only. "Miller's stone yard,"
and "near Canal, State St." L. L. Goodrich, Oct., 1899.

BLITUM—Lin., 1753.

- B. CAPITATUM—Lin., 1753. Strawberry Blite.
Occasional in rich soil. Found very fine specimens in
my flower garden. July, 1910. L. L. Goodrich.

ATRIPLEX.

- A. PATULA—Lin., 1753. Spreading Orache.
Variable. Occasional. Streets and waste places. Sa-
lina, June, 1889.
- A. HASTATA—Lin., 1753. Halbert-leaved Orache.
Plentiful in saline places. Salt marshes, Geddes and
Salina, Aug., 1909.
- A. ROSEA—Lin., 1753. Red Orache.
Occasional. Waste places. In ruins of Trade School.
Sept., 1909.
- A. ARENARIA—Nutt, 1818. Sea Beech; Atriplex.
Saline places. Local. Liverpool and Green Point. Aug.
1909.

SALICORNIA—Lin., 1753.

- S. HERBACEA—Lin., 1753. Slender Glasswort.
Frequent. All salt marshes here. Salina, July, 1909.
- S. BIGLEOVII—Torr, 1889. Biglow's Glass wort; Sam-
phire.
Habits and habitat same as *S. herbacea*. Salina, July,
1909.

DONDIA—Adams, 1763.

(*SUAEDA*—Forsk, 1775).

- D. AMERICANA—Britton. Tall Sea Blite.
Infrequent on Onon. salt marshes. North of salt mill.
- D. MARITIMA—Druca, 1896. Low Sea Blite.
Low and inconspicuous in salt marsh. Aug. Near Old
Iron Pier.

SALSOLA—L., 1753.

- S. KALI—Lin., 1753. Saltwort.
Not abundant. Salt marshes. Near Old Iron Pier.
Aug., 1902.

AMARANTACEÆ—J. St. Hill—Amaranth Fam.

AMARANTHUS—Lin., 1753.

- A. RETROFLEXUS—Lin. Rough Pig-weed.
Common. Coarse weed. Everywhere.
- 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.
- A. BLITOIDES—S. Wats., 1877. Prostrate Amaranth.
Rare. Frequents roadside in city. James St., near Canal Bridge. Aug., 1908.
- A. GRAECIZANS—Lin., 1753. (*Amaranthus Albus, L. 1763.*)
Tumble-weed.
Neglected grounds near Liverpool. Aug., 1905.
- A. CRISPUS—Braun. A. Gray; Man. 6th Ed., 1890. Crisp
Leaved Amaranth.
Waste places. Rare. Near R. R. track. Tully, Aug., 1895.
- A. PUMILUS—Raf., 1808. Coast Amaranth.
Rare. Onon. Lake shore. North from Pleasant Beach. Aug.

ACNIDA—Lin., 1753.

- A. CANNABINA—Lin. 1793. Salt Marsh Water Hemp.
Local Salt Marsh near Iron Pier. Aug., 1895.

PHYTOLACACEÆ—Lindl, 1836—Pokeweed Fam.

PHYTOLACCA—Lin., 1753.

- P. DECANDRA—Lin. 1753. Poke, Scape, 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.

- S. MARITIMUM—B. S. P., 1888. Sea Purslane.
Rare. Salt marsh near Geddes. Locality destroyed by
Solvay refuse. Specimens found Aug., 1890.

MOLLUGO—Lin., 1753.

- M. VERTICILLATA—Lin., 1753. Carpet-weed, Indian Chick-
weed.
Common Weed in cultivated grounds. Phoenix, July,
1898.

PORTULACACEÆ—Reichub, 1828

Purslane Fam.

CLAYTONIA—Lin. 1753.

- C. VIRGINICA—Lin. 1753. Spring Beauty.
Common. Rich woods. Mont'fredy Woods, May, 1898.
- C. CAROLINIANA—Michx, 1803. Carolina Spring Beauty.
Range and construction like *C. Virginianum*, except
form of leaves. *Caroliniana*, broad; *Viginianum*, nar-
row or linear.

PORTULACA.

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

CARYOPHYLLACEAE—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.
Cultivated grounds and waste places. Not frequent. East Syracuse, Aug., 1898.
- S. DICHOTOMA—Ehrh, 1792. Forked Catchfly.
Waste places. Rare. Lafayette. Road. July, 1909.

LYCHNIS—Lin. 1753.

- L. ALBA—Mill, 1768. (*Lychnis vespertina*—Sibth, 1794).
Evening Lychnis.
Waste places, and roadside. Occasional. Goodrich Yd., 1907.
- L. CHALCEDONICA—Lin. 1753. Scarlet Lichnis.
Escaped from gardens. Taunton roadside, Aug., 1895.
- L. FLOSCUCULI—Lin. 1753. Ragged Robin.
Roadside. Escaped. Fairmount, Aug., 1895.
- L. CORONARIA—Dear, 1789. Mullein Pink.
Infrequent. Roadsides and old fields. Escaped. Cultivated. Willow St., Syracuse, June, 1908.

SAPONARIA—Lin. 1753.

- S. OFFICINALIS—Lin. 1753. Soapwort, Bouncing Bet.
Common. Country roadsides. Summer. Frizelle roadside. Onon. Valley.

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. ARMERIA—Lin., 1753. Debtford Pink.
Rare. Roadside. Phoenix and Baldwinsville. Summer, 1909.
- D. DELTOIDES—Lin. 1753. Maiden Pink.
Only ones I have seen were from Baldwinsville, June, 1898.
- D. BARBATUS—Lin., 1753. Sweet William.
Rare. Escaped from gardens. Summer. Fairmount, 1898.

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

- A. HUMIFUSA—Britton. (*Torr Club, 1894*) (*Stellaria humifusa*—Rottb., 1770). Low Chick-weed.
Common. Low, damp places. Banks of Onon. Creek. Summer.
- A. MEDIA—Lin. 1753. (*Stellaria media* Cyr. 1784). Common Chick-weed.
Common everywhere. A great nuisance in lawns and gardens.
- A. PUBERA—Brit. (*Torr Club, 1894*). (*Stellaria puberia*—Michx., 1805). Great Chick-weed.
Not common. Cool, shady places. Jamesville, June, 1889.
- A. LONGIFOLIA—Britton. (*Torr Club, 1894*). (*Stellaria longifolia*—Muhl, 1809). Long-leaved Stitchwort.
Frequent. Low, moist meadows. J. Knapp farm, Onon. Hill, June, 1909.
- A. GRAMMINEA—Britton. (*Torr Club, 1894*). (*Stellaria graminea*—Lin. 1753). Lesser Starwort.
Frequents various soils. First Ward, Syracuse, June, 1906.

- A. LONGIPES—Coville, 1893. (*Stellaria longipes*—Goldie, 1852). Long-stalked Stitchwort. Occasional in moist grounds. Geddes Farm, 1890.
- A. CRASSIFOLIA—Britton. (*Torr. Club, 1894*) (*Stellaria grassifolia*—Ehrk., 1784). Fleshy Stitchwort. Rare. Wet soil. Rockwell Springs, 1899.
- A. BOREALIS—Britton. (*Torr. Club, 1894*) (*Stellaria borealis*—Bigel, 1824). Northern Stitchwort. Occasional. Wet places. Oneida Lake, near old fort, Brewerton.

CERASTIUM—Lin. 1753.

- C. VISCOSUM—Lin. 1753. Mouse-ear Chick-weed. Not common. Fabius, June 24, 1895.
- C. VULGATUM—Lin. 1753. Larger Mouse-ear Chick-weed. Common. Fields and roadsides. Fabius, July, 1895.
- C. LONGIPEDRENCULATUM—Muhl, 1813. (*Cerastium nutans*—Raf., 1814). Nodding Chick-weed or Powder-horn. Widely dispersed throughout Onon. County. Onon. Hill, May, 1895.
- C. ARVENSE—Lin., 1753. Field Chick-weed. Abundant. Sandy or dry and rocky places. Jamesville, June, 1893.
- C. OBLONGIFOLIUM—Torr. 1824. Pubescent Chick-weed. Frequent in rocky places. Onon. Hill. June, 1899.

SAGINA—Lin. 1753.

- S. PROCUMBENS—Lin. 1753. Procumbent Pearlwort. Moist places. Summer. Onon. Res. Rev. Cusick.

ARENARIA—Lin. 1753.

- A. SERPYLLIFOLIA—Lin. 1753. Thyme-leaved Sandwort. Abundant on Sandy beach near Long Branch. Summer. June, 1895.
- A. VERNA—Lin. 1753. Vernal Sandwort. Rare. Britton's Woods. (*Lake Bonaparte, Lewis Co.*) Summer. 1890.

- A. STRICTA—Michx, 1803. (*Arenaria Michauxii*—Hook, 1867). Rock Sandwort.
Rare. Rocky places. Apulia, July, 1895.
- A. GROENLANDICA—Spreng, 1825. Mountain Starwort.
Not common. Range same as *A. stricta*. July, 1895.

MOCHRINGIA—Lin. 1753.

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

AMMODENIA—J. G. Gruel, 1769.

(Arrenaria)

- A. PEPLOIDES—Rupr. 1845. (*Arenaria peploides*—Lin.)
Sea Beech Sandwort.
Plenty on lake shore at Pleasant Beach.

SPERGULA—Lin. 1753.

- S. ARVENSIS—Lin. 1753. Corn Spurry.
Frequent weed in grain fields. Annual.

TISSA—Adams, 1763.

- T. MARINA—Britton, 1889. Salt Marsh Sand Spurry.
One locality only. Salt marsh, near Salt Mill, Aug., 1888.
- T. ROBRA—Britton, 1889. Habit and habitat same as *T. Marina*.

ANYCHIA—Michx, 1803.

- A. DICHOTOMA—Michx, 1803. Forked Chick-weed.
Rare. Dump grounds near Castle St., Aug., 1908. B. Douglass.
- A. CANADENSIS—B. S. P., 1888. (*Anychia capillaceae*).
Slender-forked Chickweed.
Banks of Onon. Creek. Not common. July, 1908. B. Douglass.

SCLERANTHUS—Lin. 1753.

- S. ANNUUS—Lin. 1753. German Knot-grass.
Fields and old gardens. Robert's orchard, July, 1898.

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.

NYMPHAEÆ—Lin., 1753.

- N. ADVENA—Soland, 1789. (*Nuphar advena*—R. Br.,
1811). Large Yellow Pond Lily.
Abundant in Ponds and stagnant waters. Three River
Point. Aug., 1888.
- N. ADVENA—Var. Minus—Morong. Smaller and much
more attractive than the coarser advena.

CASTALIA—Salisb., 1805.

- C. ODORATA—Woodv. & Wood., 1806. (*Nymphaeae odo-
rata*—Dryand, 1789). Sweet-scented Water Lily.
Pond Lily.
Common in ponds and slow streams. Seneca River,
July, 1898.
- C. ODORATA VAR MINOR—Sims, 1814. Small Pond Lily.
Rare. Much smaller than *C. odorata* and equally fra-
grant. In similar localities. Tully Lakes, Aug.
- C. TUBEROSA—Greene, 1888. Tuberous White Water Lily.
Frequent in lakes and slow streams. Near Oneida
Lake.

CERATOPHYLLACEÆ—A. Gray, 1837

Hornwort Fam.

CERATOPHYLLUM—Lin. 1753.

- C. DEMURSUM—Lin. 1753. Hornwort.
Ponds and slow streams. Twin Lakes.

MAGNOLIACEÆ—Magnolia Fam.

MAGNOLIA—Lin. 1753.

- M. ACUMINATA—Lin. 1753. Cucumber Tree, Mount. Magnolia. Rare. Lawrence Farm, Onon. Hill. Baldwinsville. May 25, 1881.

LIRIODENDRON—Lin. 1753.

- L. TULIPFERA—Lin. 1753. Tulip-tree, White-wood. Frequent in woods throughout county. Round Top, June, 1882.

RANUNCULACEÆ—Juss, 1789—Crowfoot Fam.

HYDRASTIS—Lin. 1753.

- H. CANADENSIS—Lin. 1753. Orange-root, Golden Seal. Occasional in rich woods. S. Cowles, South Onondaga, May, 1880.

CALTHA—Lin. 1753.

- C. PALUSTRIS—Lin., 1753. Marsh Marigold. Gowan. Plentiful in swamps. Used in culinary art as a spring vegetable under the wrong appellation of Cowslip. Clay, May, 1898.

COPTIS.

- C. TRIFOLIA—Salisb., 1803. Gold-thread. Frequent in moist woods and swamps. Burnet Avenue near Tamerac Swamp.

ISOPYRUM—Lin. 1753.

- I. BITERNATUM—T. & G. False Rue Anemone. Rare. In moist shady places. Little York, May, 1882.

ACTAEA—Lin., 1753.

- A. RUBRA—Willd, 1809. (*Actea spicata* var. *rubra*—Ait). Red Baneberry. Not rare in rich woods. Jamesville woods, May, 1882.
- A. ALBA—Mill, 1768. White Baneberry. In rich woods. Varies through probable hybridization, especially in cultivation. Jamesville woods, June, 1882.

CIMICIFUGA—Lin. 1774.

- C. RACEMOSA—Nutt, 1818. Black Snakeroot. Black Cohosh. Open woods and banks of streams. Occasional. Jamesville, June, 1882.

AQUILEGIA—Lin. 1753.

- A. CANADENSIS—Lin. 1753. Wild Columbine. Border of rocky woods. Frequent. Orville, May, 1889.
- A. VULGARIS—Lin. 1753. European Columbine. Occasional. Roadside and fields. Escaped from gardens. S. Cole, Otisco.

ANEMONE—Lin. 1753.

- A. PARVIFLORA—Michx, 1803. Northern Anemone. Not common. Border of rich woods. Round Top, Apr. 25, 1891.
- A. CYLINDRICA—A. Gray, 1836. Long-fruited 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. CANADENSIS—Lin. 1768. (*Anemone Pennsylvanica* — *L. 1771*). Canada Anemone. Frequent. Roadside. Phoenix Road, July, 1899. Long Branch, June 3, 1911.
- 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.

- H. HEPATICA—Karst, 1880. (*Deutsch Flo. 559*) (*Hepatica triloba*—*Chaix, 1786.*) Round-lobed Liverwort. Common. Rich woods everywhere. Tammerac Swamp, May, 1880.

- H. ACUTA—Britton, 1891. (*N. Y. Acad. of Sci.*) (*Hepatica acutiloba*—D. C., 1824). Sharp-lobed Liverwort. Common with the former. Leaves often five-lobed. Riegal swamp, May, 1898.

SYNDESMON—Hoffing, 1832.

- S. THALICTROIDES — Hoffing, 1832. (*Anemonella thalictroides*—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. Frequent. Roadsides and borders of woods. Orville, Aug., 1901.
- 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. DELPHINIFOLIUS—Torr, 1818. (*Ranunculus multifidus Pursh*). Yellow Water Crowfoot. Not frequent. Shallow water, Seneca River. Long Branch, July, 1895.
- 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.
- R. PEDATIFIDUS—J. E. Smith, 1813. (*R. affinis*—R. Br., 1823). Northern Buttercup. Rare. Wet soil. Long Branch. May, 1897.

- R. HARVEYI—Britton. Torr Club, 1894. Harvey's Buttercup. Occasional. Hopper's Glen, 1890.
- R. ARORTIVUS—Lin., 1753. Kidney-leaved Crowfoot.
Common. Shady hillsides and along streams. Banks Onon. Creek, 1890.
- R. SCELERATUS—Lin., 1753. Cursed or Ditch Crowfoot.
Common. Wet, muddy places. Salina or Alvord Swamp, Aug., 1905.
- R. RECURVATUS—Poir, 1804. Hooked Crowfoot.
Common. Damp woods and ravines. G. door-yard, 1909.
- R. ACRIS—Lin., 1753. Tall, or Meadow Buttercup.
Very common, everywhere. Goodrich barn-yard. Summer, 1909.
- R. BULBOSUS—Lin. 1753. Bulbous Buttercup.
Occasional. Fields and roadsides. East Syracuse, July, 1897.
- R. PENNSYLVANICUS—Lin., 1753. Bristly Buttercup.
Frequent. Moist woods. Britton's woods, June, 1789.
- R. MACOUNII—Britton, 1892. (*N. Y. Acad. of Science*).
Macoun's Buttercup.
(*Ranunculus hispidus*—Hook, 1829.) Britton's Woods. May, 1897.
- R. REPENS—Lin., 1753. Creeping Buttercup.
Common. Roadsides and waste grounds. Leaves often spotted. Fairmount, July, 1887.
- R. SEPTENTRIONALIS—Poir, 1804. Swamp or Marsh Buttercup.
Frequent. Marshy grounds. Mr. Cusick's Indian Res.
- R. HISPIDUS—Michx, 1803. Hispid Buttercup.
Occasional in dry places. Hamlet Worker's Farm, May, 1910.
- R. FASCICULARIS—Muhl, 1813. Early, or Tufted Buttercup. Occasional. Dry hillsides. Onon. Hill, May, 1880.

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.
- B. DIVARICATUM — Wimm. (*Ranunculus divaricatus* — Schrank, 1779). Stiff White Water Crowfoot.
Less common than B. *trichophyllum*. Apulia Pond.

OXYGRRAPHIS—Bunge, 1836.

- O. CYMBOLARIA—Prantl, 1891. (*Ranunculus Cymbalaria*) 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. Swampy places and stream banks. Long Branch, July, 1899.
- T. POLYGAMUM—Muhl, 1813. (*Thalictrum Cornuti*—T. & G., 1838). Tall 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 Barberry.
Occasional, in thickets and edges of woods. West extremity Hopkin's Glen, June, 1906.

CAULOPHYLLUM—Michx, 1803.

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

Frequent. Rich woods. Jamesville Road, May, 1889.

PODOPHYLLUM.

- P. PELTATUM—Lin., 1753. May Apple; Wild Mandrake. Common. Rich woods. Peppermill Gorge, 1889.

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.

- B. BENZOIN—Coulter, 1894. (*Torr. Club*). (*Lindera Benzoin*—Blume, 1857). Spice Bush; Benjamin Bush.

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

PAPAVERACEÆ—B. Juss, 1769—Poppy Fam.

SANGUINARIA—Lin. 1753.

- S. CANADENSIS—Lin. 1753. Bloodroot. Common. Rich woods. Improves finely through cultivation. Goodrich wild flower garden, May, 1898.

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 Bellevue Avenue, July, 1895.

CHELIDONIUM—Lin., 1753.

- C. MAJUS—Lin., 1753. Celandine.
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.
Common. Rich woods. Pinnacle, Elmwood, 1897.
- B. CANADENSIS—Millsp., 1892. (*Dicentra Canadensis* —
Walp, 1842). Squirrel Corn.
Same range and habits as *B. cucullaria*.
- B. EXIMIA—Millsp., 1892. (*Dicentra eximia—Torr, 1843.*)
Wild Bleedingheart.
Rare. Rich woods. Geddes Gorge, 1885.

ADLUMIA—Rof., 1808.

- A. FUNGOSA—(*Green, 1888. Prel. Cat., N. Y., 3.*) (*A. cirr-
hosa—Raf., 1808.*) Climbing Fumitory.
Frequent. Rocky places. Green Lake, 1899.

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

- C. SEMPERVIRENS — Borck, 1797. (*Corydalis glaucus* —
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.

CRUCIFEREÆ—Juss, 1759—Mustard Fam.

LEPIDIDIUM—Lin. 1753.

- L. CAMPESTRE—R. Br., 1812. (*S. Cole*). Field, or Cow Cress.
Infrequent. Field, Collin's farm, July, 1909.
- L. DRABA—Lin., 1753. Hoary Cress.
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.
Common. Old fields and roadside. Onon. Hill, 1908.

THLASPI—Lin. 1753.

- T. ARVENSE—Lin. 1753. Field Pennycress.
Rare. Plenty in one waste field, Collin's farm, Fayetteville, Aug., 1908.
- T. PERFOLIATUM—Lin., 1753. Perfoliate Pennycress.
Infrequent. West Shore track, Syracuse, Aug., 1910.

SISIMBRIUM—Lin. 1753.

- S. OFFICINALE—Scop., 1772. Hedge Mustard.
Waste places. Common weed. Goodrich garden, summer, 1909.
- S. ALTISSIMUM—Lin., 1753. Tall sisymbrium.
Rare. Waste places.

CAKILE—Gaertn, 1791.

- C. EDENTULA—Hook, 1830. (*Amer. Flo.*) (*Cakile Americana*—Nutt, 1818). American Sea Rocket.
Only on salt marsh. Lake shore, Pleasant Beach, 1900.

SINAPIS—Lin., 1753.

- S. ALBA—Lin., 1753. (*Brassica alba*—Boiss, 1840). White Mustard.
Common in waste places. Summer.

BRASSICA—Lin. 1753.

- B. NIGRA—Koch, 1833. (*Sinapis nigra*). Black Mustard. Common. Fields and waste places. Troublesome weed. Summer.
- B. JUNCEA—Cosson, 1859. Indian Mustard. Infrequent. Waste places. Solvay, Terminus R. Y., July, 1907.
- B. ARVENSIS—B. S. P. Charlock or Wild Mustard. Common. Fields. Troublesome weed.
- B. CAMPESTRIS—Lin., 1753. Turnip. Wild Navew. Frequent. Cultivated grounds. Escaped.

RAPHANUS—Lin. 1753.

- R. RAPHANISTRUM—Lin. 1753. Wild Radish. Jointed or White Charlock. Frequent. Grain fields. Wrongly called Rape. Old wheat field, Marcellus Junction. Summer, 1907.

BARBAREA—R. Br., 1812.

- B. BARBAREA—MacM., 1892. (*Barbarea vulgaris*—R. Br. 1812). Com. Winter Cress. Frequent. Low fields and roadsides. Solvay, 1907.
- B. STRICTA—Andrz., 1821. Erect-fruited Winter Cress. Less frequent than B. Barbarea. Range similar. Habits and habitats closely allied. Orchard Road, 1907.

RORIPA—Scop, 1760.

(*Nasturtium*—R. Br., 1812.)

- R. NASTURTIUM—Rusby. (*Torr Club, 1893*) (*Nasturtium officinale*—R. Br., 1812). Water Cress. Common. Sluggish streams and ponds. Harbor Brook. Summer, 1909.
- R. PALUSTRIS—Bess, 1821. (*Nasturtium palustre*—D. C., 1821.) Marsh or Yellow Water Cress. Infrequent. Swamp near House of Providence, June, 1897.

- R. ARMORACIA—A. S. Hitchcock, 1804. (*Nasturtium Armoracia Fries*—A. Gray, *Man.* 1856. Horseradish.
Common. Waste, moist places. Ditches. Escaped from cultivation. Goodrich Yd., June, 1908.
- R. AMERICANA—Britton. (*Mem. Torr Club, 1864*) (*Nasturtium lacustre*—A. Gray, 1848). Lake Water Cress.
Onon. Lake, near White City, June, 1906.

CARDAMINE—Lin. 1753.

- C. PRATENSIS—Lin. 1753. Cuckoo Flower.
Rare. Wet places. Clay, May, 1889.
- C. HIRSUTA—Lin. 1753. Hairy Bitter Cress.
Common. Wet soil. Brewerton, May, 1889.
- C. PARVIFLORA—Lin. 1753. (*Cardamine hirsuta var. sylvatica*—A. Gray. *Man.* 1867). Small Flowered Bitter Cress.
Rare. On rocks. Jamesville, May, 1886.
- C. FLEXUOSA—With, 1796. Wood Bitter Cress.
Rare. Wet woods and streams. Onon. Valley, June, 1909.
- C. BELLIDIFOLIA—Lin. 1753. Alpine Cress.
Rare. Otisco Hill. (*S. Cole*). Summer, 1886.
- C. PURPUREA—Britton. (*Arabis rhomboidea var. purpurea*—Torr, 1822). Purple Cress.
Rare. Cold, wet places. Clay, May, 1889.
- C. BULBOSA—B. S. P., 1888. (*Cardamine rhomboidea*—D. C.). Bulbous Cress.
Rare. Wet, springy places. Peppermill Gorge, May.

DENTARIA—Lin. 1753.

- D. LACINIATA—Muhl, 1800. Cut-leaved Toothwort; Peppermint.
Common. Rich woods. Kinney woods, May, 1899.
- D. DIPHYLLA—Michx, 1803. Two-leaved Toothwort.
Common. Rich woods. Kinney woods, Jamesville, May, 1889.

- 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.

- B. BURSA PASTORIS—"Britton" Torr Club, 1894. (*Cap-
sella Bursa pastoris*—*Medic*, 1792.) Shepherd's
Purse.
Very common. Waste places and fields. Townsend St.,
near canal. Summer.

CAMELINA—Crantz, 1762.

- C. SATIVA—Crantz, 1762. False Flax.
Occasional. Old grain fields. Marcellus, July, 1908.

NESLIA—Derv., 1814.

- N. PANICULATA—Derv., 1814. Neslia.
Rare. Dump grounds. Colvin Tract, Summer, 1900.

DRABA—Lin. 1753.

- D. VERNA—Lin. 1753. Vernal Whitlow-grass.
Frequent. Very early in spring. Sandy soil. Phoenix,
April, 1888.
- 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.
Not common. Southern part of city. Logan Ave.
Aug., 1900.

STENOPHRAGMA—Celak, 1877.

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

ARABIS—Lin. 1753.

- A. LYRATA—Lin., 1753. Lyre-leaved Rock Cress.
Frequent. On Rocks. Green Lake, Aug., 1897.
- A. DENTATA—T. & G., 1838. Toothed Rock Cress.
Rare. Road to Green Lake, May 2, 1891.
- A. HIRSUTA—Scop, 1772. Hairy Rock Cress.
Not common. Rocks. Green Lake, May, 1892.
- A. LAEVIGATA—Poir, 1810. Smooth Rock Cress.
Rare. Rocky places. Indian Hill, June, 1891.
- A. CANADENSIS—Lin. 1753. Sickie Pod.
Infrequent. Woods and ravines. Baldwinsville, July, 1895.
- A. BRACHYCARPA—Britton. (*Torr Club, 1894*) (*Arabis confinis*—S. Watts). Purple Rock Cress.
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.
Frequent. Banks of streams. Orville roads, Aug., 1903.

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.

- K. MARITIMA—R. Br., 1826. Seaside Kongia.
Rare. Probably escaped from cultivation. West Shore Track, Sept., 1907.

HESPERIS—Lin. 1753.

- H. MATRONALIS—Lin. 1753. Dame's Rocket.
Frequent. Roadsides. Escaped. Onon. Hill, Aug.,
1909.

CAPPARIDACEÆ—Lindl, 1836—Caper Fam.

POLANISIA—Raf., 1819.

- P. GRAVEOLINS—Raf., 1819. Clammy Weed.
Not common. Shores of Oneida Lake. South Bay,
Aug., 1888.

SARRACENIACEÆ—La Pyl, 1827

Pitcher Plant Fam.

SARRACENIA—Lin. 1753.

- S. PURPUREA—Lin. Pitcher Plant; Side Saddle Flower.
Frequent in sphagnum swamps. *S. purpurea hetera-*
phylla 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.

DROSERACEÆ—S. F. Gray, 1821—Sundew Fam.

DROSERA—Lin. 1753.

- D. ROTUNDIFOLIA—Lin. 1753. Round-leaved Sundew, or
Dew-plant.
Insectivorous. Occasional in bogs. Tamerac swamp,
July, 1890.
- D. INTERMEDIA—Hayne. Spatulate-leaved Sundew.
Rare. Found in Tamerac Swamp, 1890. Locality for
D. rotundifolia and *intermedia*, being destroyed through
civilization.
- D. LONGIFOLIA—Lin., 1753. Oblong-leaved Sundew.
Sparingly found in Cicero swamp, June, 1898. Re-
sembles strongly *D. intermedia*. Differs in form of
leaf blade.

CRASSULACEÆ—D. C., 1808—Orpine Fam.

SEDUM—Lin. 1753.

- S. TELEPHIUM—Lin. 1753. Live-forever.
Occasional. Borders of woods. Entrance to Howlett
Gorge, 1906.
- S. ACRE—Lin. 1753. Peppery Stone Crop.
Rare. Roadsides. Escaped from gardens. Fair-
mount, 1899.
- S. REFLEXUM—Lin. 1753. Reflexed Stone Crop.
Rare. Also escaped from gardens.
- S. TERNATUM—Michx, 1803. Wild Stone Crop.
Occasional. Among rocks. Probably not indigenous.

PENTHORUM—Lin. 1753.

- P. SEDOIDES—Lin. 1753. Ditch Stone Crop.
Common. Open wet places or shallow ditches. Elm-
wood, 1905.

SAXIFRAGACEÆ—Dumont, 1829—Saxifrage Fam.

ASTILBE—Hamill, 1825.

- A. BITERNATA—Britton, 1893. Torr Club. False Goat's
Beard.
Rare. Woods on hills. Otisco and Marcellus Falls.
June, 1906.

SAXIFRAGA—Lin. 1753.

- S. AIZOON—Jacq., 1778. Livelong Saxifrage.
Plentiful on moist exposed rocks. Rocks, Green Lake,
Jamesville.
- S. PENNSYLVANICA—Lin. 1753. Swamp Saxifrage.
Plentiful. Swamps. Long Branch, May, 1909.
- S. VIRGINIENSIS—Michx, 1803. Early Saxifrage.
Frequent in woods. Jamesville woods, May, 1899.

TIARELLA—Lin. 1753.

- T. CORDIFOLIA—Lin. 1753. False Mitrewort.
Common. Rich woods. Riegle woods, 1899.

MITELLA—Lin. 1753.

- M. DIPHYLLA—Lin. 1753. Mitrewort.
Frequent in rich woods and opens. Jamesville. May.
- M. NUDA—Lin. 1753. Naked Mitrewort.
Common. Moist woods. Kinney woods, June, 1900.

CHRYSOSPLENIUM—Lin. 1753.

- C. AMERICANUM—Schwein, 1832. Golden Saxifrage.
Occasional. Swampy grounds. Clay, May, 1908.

PARNASSIA—Lin. 1753.

- P. CAROLINIANA—Michx, 1804. Grass of Parnasius.
Very rare. Swamps and low meadows. Cicero. Riegall
Swamp. Cicero Swamp, July, 1900.

GROSSULARIACEÆ—Dumont, 1829

Gooseberry Fam.

(SAXIFRAGACEÆ—Grey, 6th Ed.)

RIBES—Lin. 1753.

- R. CYNOSBATI—Lin., 1753. Wild Gooseberry.
Plentiful. Rocky woods. Hopper's Gorge, June, 1907.
- R. SETOSUM—Lindl, 1830. Bristly Gooseberry.
Frequent. Moist rich woods. Kinney woods, May,
1907.
- R. OXYACANTHOIDES—Lin. 1753. (*Ribes hirtellum*—Michx,
1803). Northern Gooseberry.
Common. Damp woods and moist openings. Riegall
swamp, 1889.
- R. PROSTRATUM—L. Her., 1784. Fetid Currant.
Occasional. Swamps. Odor offensive. Tamerac, 1889.
- R. LACUSTRE—Poir, 1811. Swamp Gooseberry.
Occasional. Swamps. Crouse swamp, East Syracuse,
1889.
- R. FLORIDUM—L. Her., 1785. Wild Black Currant.
Occasional. Wet woods, river banks, etc. Onon. Creek,
near Onon. Valley.

- 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.
HAMAMELIDACEÆ—Lindl, 1847
Witch Hazel Fam.
HAMAMELIS.
- H. VIRGINIANA—Lin., 1753. Witch Hazel.
Common. Low grounds, thickets, etc. Oakwood, 1899.
PLATANACEÆ—Lindl, 1836—Plane Tree Fam.
PLATANUS—Lin. 1753.
- P. OCCIDENTALIS—Lin. 1753. Buttonwood; Plane Tree;
Sycamore.
Infrequent except in cultivation. Known by its decid-
uous bark. Willow St., Syracuse.
ROSACEÆ—R. Juss, 1759—Rose Fam.
SPIREA—Lin. 1753.
- S. SALICIFOLIA—Lin. 1753. Meadow Sweet.
Frequent. Swamps and moist meadow lands. Tam-
erac, July, 1900.
- S. TOMENTOSA—Lin. 1753. Hardhack; Steeple Bush.
Range same as *S. solicifolia*. North from Long Branch,
1900.
RUBUS—Lin. 1753.
- R. ODORATUS—Lin. 1753. Purple Flowering Raspberry.
Common. Rocky woods and ravines. Otisco, July,
1898.
- R. STRIGOSUS—Michx, 1803. Wild Red Raspberry.
Abundant in clearings around stumps. May and July,
1895.
- R. OCCIDENTALIS—Lin. 1753. Black Raspberry.
Common. Woods, hedges and roadsides. Jamesville,
June, 1895.

- R. AMERICANUS—Britton. *Man. Torr. Club, 1894*) (*Rubustriflorus*—Richardson.) Dwarf Raspberry.
Frequent. Swampy grounds. A link between blackberry and Raspberry. Jamesville, June, 1902.
- R. VILLOSUS—Ait., 1789. High Blackberry.
Common. Open fields and roadsides. Jamesville, June, 1891.
- R. FRONDOSUS—Bigel, 1824. Short-fruited Blackberry.
Frequent. Habits and habitat same as *R. villosus*.
- R. ALLEGHANIENSIS—Porter. (*Torr Club, 1896.*) Mountain Blackberry.
Common. Hillsides. Indian Hill. August.
- R. HISPIDUS—Lin. 1753. Running Swamp Blackberry.
Common. Low, moist grounds. East Syracuse, June, 1895. Fruit not good.
- R. CANADENSIS—Lin. VGE. Low Running Blackberry.
Frequent. Borders of woods and fields. May, 1895.

DALIBARDA—Lin. 1753.

- D. REPENS—Lin. 1753. Dalibarda.
Occasional. Openings and roadsides. Jamesville road, June, 1895.

FRAGARIA—Lin. 1753.

- F. VIRGINIANA—Duchesne, 1766. Round Wild Strawberry.
Common. Fields and woods. Meadow, Onon. Hill, May, 1889.
- F. CANADENSIS—Michx, 1803. Long Wild Strawberry.
Frequent. Meadows, etc. Hatch farm, Skaneateles.
- F. VESCA—Lin. 1753. Wood Strawberry.
Infrequent. Rocky places. Knapp farm, Onon. Hill, May, 1908.
- F. AMERICANA—Britton. (*Torr Club, 1892.*) American Wood Strawberry.
Infrequent. Borders woods and roadsides. Marcus 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. ARGUTA—Pursh. Fall, or Glandular Cinque Foil.
Frequent. Dry rocky places. Howlett Hill, July, 1900.
- P. ARGENTEA—Lin. 1753. Silvery Cinquefoil.
Frequent. Dry fields. Otisco. East Syracuse. Aug.,
1898.
- P. MONSPELIENSIS—Lin., 1753. (*Potentilla Norvegica* —
Lin. 1753. Gray, 6th Ed.) Rough Cinquefoil.
Occasional. Sand Hill and Otisco. Aug., 1900.
- P. PENNSYLVANICA—Lin. 1753. Prairie Cinquefoil.
Very rare. Only two specimens presented. Those found
on dump grounds in Eastwood, Aug., 1909. Probably
introduced through foreign substance.
- P. FRUITICOSA—Lin. 1753. Shrubby Cinquefoil.
Frequent in swampy grounds. Abundant in swamp
adjoining Howlett woods, July, 1895.
- P. TRIDENTATA—Soland, 1789. Three-toothed Cinquefoil.
Rare. Found in Otisco by S. Cole.
- P. ANSERINA—Lin. 1753. Silverweed.
Plenty. Localized. Shores of Onondaga Lake. Sum-
mer, 1909.
- P. CANADENSIS—Lin. 1753. Five Finger C.
Common and variable. Dry sandy soil. Summer.

COMARUM—Lin., 1753.

- C. PALUSTRE—Lin. 1753. (*Potentilla palustris*—Scop,
1772). Purple Marshlocks; Cowberry.
Infrequent. Swamps. Apulia, 1894.

WALDSTEINIA—Willd, 1799.

- W. FRAGARIOIDES—Tratt, 1823. Barren Strawberry.
Common. Dry woods and hillsides.

GEUM—Lin. 1753.

- G. RIVALE—Lin. 1753. Water or Purple Avens.
Frequent. Marshy grounds. Onon. Valley, July, 1910.
- G. CILIATUM — Pursh, 1814. (*Geum triflorum* — Pursh.)
Long-fruited Purple Avens.
Occasional. Dry, rocky soil. Brittan's woods, July, 1891.
- G. VERNUM—T. & G., 1840. Spring Avens.
Rare. Early in spring. Long Branch, May, 1910.
- G. CANADENSE—Jacqs., 1772. White Avens.
Frequent. Borders of woods. Kinney woods, June, 1909.
- G. VIRGINIANUM—Lin. 1753. Rough Avens.
Common. Low grounds and borders of woods. Onon. Valley, July, 1910.
- G. MACROPHYLLUM—Willd, 1809. Large-leaved Avens.
Frequent. Dry loose soil. Goodrich wild flower bed, June, 1910.
- G. STRICTUM—Ait, 1789. Yellow Avens.
Frequent. Moist grounds. Goodrich barn-yard, July, 1910.

AGRIMONIA—Lin., 1753.

- A. HIRSUTA—Bicknell, 1896. Torr Club. (*Agrimonia Eupatoria hirsuta*—Muhl, 1813). Tall Hairy Agrimony.
Frequent. Woods and thickets. Goodrich wild flower bed, July, 1909.
- A. BRITTONIANA—Bicknell, 1896. Britton's Agrimony.
Not common. Along thickets and roadsides. Marcellus Junction, July, 1909.
- A. PARVIFLORA—Soland, 1789. Small Flowered Agrimony.
Occasional. Woods, waste places, etc. Camillus. Roadside, Aug., 1895.

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.
- S. CANADENSIS — Lin., 1753. (*Poterium Canadense* —
A. Gray, 1867). Canadian Burnet.
 Infrequent. Swampy soil. Kirk Park, Aug., 1908.

ROSA—Lin. 1753.

- R. BLANDA—Ait., 1789. Meadow Rose.
 Frequent. Among rocks. Fiddler's Green, July, 1901.
- R. CAROLINA—Lin. 1753. Swamp Rose.
 Frequent. Borders of lakes and streams. Tully Lake,
 July.
- R. CAROLINA—White variety. I found on marsh near Sol-
 vay, 1885. Locality now destroyed by Solvay refuse.
- R. HUMILIS—Marsh, 1785. Pasture Rose.
 Frequent. Rocky soil. Jamesville, June, 1899.
- R. LUCIDA—Ehrh, 1789. Shining Rose.
 Infrequent. Known at once by its bright shining
 leaves.
- R. NITIDA—Willd, 1809. Northeastern Rose.
 Infrequent. Low grounds. Phoenix road, July, 1898.
- R. RUBIGINOSA—Lin., 1753. Sweetbrier.
 Occasional. Crushed leaves sweet aromatic. Onon.
 Hill, July, 1905.
- R. CINNAMOMEA—Lin. 1753. Cinnamon or May Rose.
 Frequent. Roadsides. Petals doubled and very irregu-
 lar in form. Fragrant. early spring. East Syracuse
 road.

POMACEÆ—Lin. 1753—Apple Fam.

SORBUS—Lin., 1753. (*Pyrus*, 1827.)

- S. AMERICANA—Marsh, 1785. (*Pyrus Americana* D. C.
 1825.) American Mountain Ash.
 Infrequent. Indian Reservation, June, 1909.

- S. *SAMBUCIFOLIA*—Roem, 1847. (*Pyrus sambucifolia*.)
Western Mountain Ash.
Rare. Moist grounds. Marcellus Falls, 1907.

MALUS—Juss, 1789.

- M. *CORONARIA*—Mill, 1768. (*Pyrus coronaria* C. & S.,
1763.) Sweet-scented Crab Tree.
Infrequent. Woods and cleared borders. Britton's
Woods, May, 1895. Very fragrant and beautiful.
- M. *MALUS BRITTON*—Britton, Torr C. *Pyrus Malus*—Lin.,
1753. Wild Apple.
Frequent. Uncultivated rocky places. Rockwell
Springs, May, 1908.

ARONIA—Pers., 1807.

- A. *ARBUTIFOLIA*—Ell. (1821, *Bot. S. & Gar.*) (*Pyrus
arbutifolia*—Lin., 1781.) Red Choke-berry.
Common. Swampy grounds. Crouse Woods, East
Syracuse, April, 1899.
- A. *NIGRA*—Britton. (*Torr Club, 1894.*) (*Pyrus nigra
sargent.* Black Choke-berry.
Frequent. Swamps. Long Branch, May, 1907.

AMELANCHIER.

- A. *CANADENSIS*—Medic, 1793. Shad Bush. June Berry.
Frequent. Woods, ravines. Jamesville road, May,
1900.
- A. *BOTRYAPIUM*—D. C., 1825. (*Amelanchier Canadensis
var. B—.*) Swamp Sugar Pear.
Range etc. with A. Canadensis. Jamesville Road.
- A. *ROTUNDIFOLIA*—Roem, 1847. Broad-leaved June
Berry.
Varies from former two, in its long petals and broad,
round leaves. Similar habitat. Jamesville Road.

CRATAEGUS—Lin., 1753.

- C. *CRUS GALLI*—Lin., 1753. Cockspur Thorn.
Common. Border Kinney Woods, June, 1908.

- C. PUNCTATA—Lin., 1753. (*Crataegus tomentosa* var. *punctata*—A. Gray, 1856.) Large-fruited Thorn. Frequent. Stony hillsides. South from Fiddler's Green, June, 1908.
- C. OXYACANTHA—Lin., 1753. English Hawthorne. Infrequent. Roadside and open fields. Escaped. Howlett Hill, June, 1865.
- C. COCCINEA—Lin., 1753. Scarlet Thorn. Frequent. Banks of streams. Onon. Creek, Valley, May, 1895.
- C. MOLLIS—Scheele, 1848. (*Crataegus coccinnia*, var. *Mollis*—Torr and Gray, 1867.) Red-fruited Thorn. Frequent. Thickets. Jamesville, May, 1895.
- C. TOMENTOSA—Lin., 1753. Pear Thorn. Infrequent. Thickets. Otisco, 1890.

DRUPACEÆ—D. C. 1805—Plum Fam.

PRUNUS—Lin., 1753.

- P. AMERICANA—Marsh, 1785. Wild Red Plum. Seldom found now. Thicket. Wiard Farm, Onon. Hill.
- P. PENNSYLVANICA—L., 1781. Wild Red Cherry. Rare. Along streams. Seneca River, May, 1898.
- P. VIRGINIANA—Lin., 1753. Choke Cherry. Common. Rocky banks, old stone fences, etc. Hopper's Glen, Apr., 1895.
- P. SCROTINA—Ehrh, 1788. Wild Black Cherry or Rum Cherry. Occasional. Scattered. Moist woods. Tamerac, 1883.

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

(Leguminosae—Gray, 6th Ed.)

CASSIA—Lin., 1753.

- C. NICTITANS—Lin., 1753. Wild Sensitive Pea. Infrequent. Dry soil. Montfreedy Woods, July, 1899.
- C. MARYLANDICA—Lin., 1753. Wild American Senna. Rare. Moist soil. Marcellus Falls, June, 1895.

GLEDITSIA—Lam., 1783.

- G. TRIACANTHOS—Lin., 1753. Honey Locust. Acacia.
Rare, except in cultivation. Calthrop Woods, May,
1890.

GYMNOCLAUDUS—Lam., 1783.

- G. DIOICA—Koch, 1869. Kentucky Coffee Tree.
Rare. Tully Road and Phoenix Road. June.

PAPILIONACEÆ—Lin. 1764—Pea Fam.

(*Leguminosae*—Gray, 6th Ed.)

BAPTISIA—Vent., 1808.

- B. TINCTORIA—R. Br., 1811. Wild Indigo.
Rare. Dry soil. Hillside. Indian Hill, July, 1895.

LUPINUS—Lin., 1753.

- L. PERENNIS—Lin., 1753. Wild Lupina.
Abundant in one dry sandy district. Centerville, June,
1896.

GENISTA—Lin., 1753.

- G. TINCTORIA—Lin., 1753. Wood-waxen.
Rare. Dry hillside. Montfreedy Gorge, July, 1895.

MEDICAGO—Lin., 1753.

- M. SATIVA—Lin., 1753. Lucerne. Alfalfa.
Frequent. Escapes from cultivation. All places. . .

MELILOTUS—Juss, 1789.

- M. ALBA—Desv., 1797. White Sweet-clover.
Common throughout county. Liverpool, Aug., 1909.
M. OFFICINALIS—Lam., 1788. Yellow Sweet-clover.
Common. Same range as *M. alba*. Green Point, 1907.

TRIFOLIUM—Lin., 1753.

- T. AGRARIUM—Lin., 1753. Yellow, or Hop Clover.
Frequent. Waste places. Sandy fields. E. Syracuse,
Aug., 1899.

- T. PROCUMBENS—Lin. 1753. Low Hop Clover.
Frequent. Range same as T. Agrarium. Oakwood,
1906.
- T. DUBIUM—Sibth, 1794. Small Hop. Trefoil.
Rare. Waste places. Dump grounds south of City.
B. Douglass.
- T. INCARNATUM—Lin. 1753. Crimson Clover.
Rare. Escaped from cultivation. Salina St., south of
Onon. Valley, 1898.
- T. ARVENSE—Lin., 1753. Rabbitfoot Clover.
Infrequent. Hillside near House of Providence, 1889,
and Round Top, 1906.
- T. PRATENSE—Lin., 1753. Red Clover.
Common. Fields, meadows and by roadsides.
- T. MEDIUM—Lin., 1753. Zigzag Clover.
Frequent. Fields. Onon. Hill, 1908.
- T. REFLEXUM—Lin. 1753. Buffalo Clover.
Frequent. Meadows and roadsides. Court St., 1809.
- T. HYBRIDUM—Lin., 1753. Alsike.
Common. Roadside and fields. Marcellus road.
- T. REPENS—Lin. 1753. White or Creeping Clover.
Frequent. Old orchards. Door-yards. Supposed by
some to be the true Shamrock. Syracuse, July, 1909.

ROBINIA—Lin. 1753.

- R. PSEUDACACIA—Lin. 1753. Common Locust.
Frequent. Country roadsides. Probably escaped from
farm yards.
- R. VISCOSA—Vent., 1800. Clammy Locust.
Rare. Escaped. Calthrop Road, 1889.

ASTRAGALUS—Lin. 1753.

- A. CAROLINIANUS—Lin. 1753. (*Astragalus Canadensis*—
Lin. 1753). Carolina Milk Vetch.
Rare. Banks of streams. Bank of Creek below Ed-
wards Falls.

PHACA—Lin. 1753.

- P. NEGLECTA—T. & G., 1838. (*Astragalus Cooperi*—A. Gray, 1896). Cooper's Milk Vetch.
Rare. Otisco. S. Cole. Banks of streams.

CORONILLA—Lin., 1753.

- C. VARIA—Lin. 1753. Axseed, Axwort.
Rare. Roadsides and waste places. Mrs. Kent.

MEIBOMIA—Adams, 1763.

(*Desmodium*—Desv., 1813).

- M. NUDIFLORA—Kuntze. (*Rev. Gen. Pl. 749, 1891*). (*Desmodium nudiflorum*, D. C.) Naked Flowered Tick Trefoil.
Frequent. Dry open woods. Jamesville.
- M. GRANDIFLORA—Kuntze. (*Desmodium accuminatum*).
Pointed-leaved Tick Trefoil.
Frequent. Rocky woods. Kinney woods. Summer, 1898.
- M. PAUCIFLORA—Kuntze. (*Desmodium pauciflorum*, D. C.)
1895. Few-flowered Trefoil.
Rare. Pleasant Beach, July, 1899.
- M. MICHAUSII—Vail| (*Bull Torr Club, 1896*). (*Desmodium rotundifolium*, D. C., 1825.) Prostrate Tick Trefoil.
Near streams. Oak openings. Oakwood. Summer, 1897.
- M. SESSILIFOLIA—Kuntze. (*Desmodium sessilifolium*—T. & G., 1838.) Sessile-leaved Tick Trefoil.
Rare. Clearings. Terminus Solvay R. R., 1896.
- M. CANESCENS—Kuntze. (*Desmodium canescens*—D. C. 1825). Hoary Tick Trefoil.
Rare. Covered with spreading hooked glutinous hairs. Rich soil. Kirk Park, July, 1890.
- M. BRACTEOSA—Kuntze. (*Desmodium cuspidatum*—Hook, 1895). Large-bracted Tick Trefoil.
Frequent. Woods and along streams. W. Brick-yard, Aug., 1890.

- M. PANICULATA—Kuntze. (*Desmodium paniculatum* — *D. C.* 1825). Panicked Tick Trefoil.
Frequent. Banks of streams, woods and thickets. Round Top. Mrs. H. N. White, Aug., 1895.
- M. VIRIDIFLORA — Kuntze. (*Desmodium viridiflorum* — *Beck*, 1833). Velvet-leaved Tick Trefoil.
Rare. Dry woods and openings. Fabius, Aug., 1894.
- M. DILLENII — Kuntze. (*Desmodium Dillenii* — *Desl.*, 1837). Dillen's Tick Trefoil.
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.
Rare. Inconspicuous in dry soil. Onon. Hill, Aug., 1906.
- M. MARYLANDICA—Kuntze. (*Rev. Gen. Pl.* 195, 1891). (*Desmodium Marylandicum*—*Boot*, 1837). Smooth Small-leaved Tick Trefoil.
Rare. Bank of Onon. Lake. Green Point, July, 1900.
- M. OBTUSA—Vail. (*Torr Bull*, 1892.) (*Desmodium ciliare* — *D. C.*, 1825). Hairy, Small-leaved Tick Trefoil.
Occasional. Dry hills and sandy places. North Syracuse, June, 1898.

LESPEDEZA—Michx, 1803.

- L. VIOLACEAE—Pers. 1807. Bush Clover.
Common. Dry soil. Thickets and sandy fields. Centreville, Aug., 1900.
- L. STUVEI—Nutt, 1818. Stuve's Bush Clover.
Rare. Dry banks and hillsides. Canton, Aug., 1900.

- L. HIRTA—Ell. 1824. (*Lespedeza polystachia* — Michx).
Hairy Bush Clover.
Frequent. Dry, sandy soil. Centreville, Aug., 1900.
- L. CAPITATA—Michx, 1803. Round-headed Bush Clover.
Frequent. Dry fields and rocky places. Hillside near
House of Providence., Aug., 1899.

VICIA—Lin., 1753.

- V. CRACCA—Lin., 1753. Blue Vetch.
Rare. Dry soil. roadside South Salina St., July, 1897.
- V. AMERICANA—Muhl, 1803. Pea Vine.
Frequent. Moist soil or shady banks. Near Onon. Cr.,
1900.
- V. CAROLINIANA—Walt, 1788. Carolina Vetch.
Common. Moist or dry soil. Onon. Valley, July, 1901.
- V. SATIVA—Lin., 1753. Common Vetch, or Tare.
Frequent. Waste places and cultivated fields. Onon.
Valley, July, 1911.

LATHYRUS—Lin. 1753.

- L. VENOSUS—Muhl, 1803. Veiny Pea.
Very rare. One locality only reported, and very few
specimens. Otisco Hill.
- L. PALUSTRIS—Lin., 1753. Marsh Vetchling.
Frequent. Marshes and shores. Three River Point,
July, 1890.
- L. MYRTIFOLIUS—Muhl, 1803. (*L. palustris* var. *myrtifolius*—A. Gray, 1856). Myrtle-leaved Marsh Pea.
Same range as L. Palustris, though less frequent.
- L. PRATENSIS—Lin. 1753. Meadow Pea.
Infrequent. Waste places. Cemetery, Onon. Hill.,
July, 1902.

FALCATA—Gmel., 1796.

(*Amphicarpa*—Ell. 1817)

- F. COMOSA—Kuntze. (*Rev. Gen. Pl. 182, 1891*) (*Amphicarpa monoica*—Nutt, 1817). Hog Peanut.
Common. Moist soil, lake shores, etc. Bank of Onon.
Creek, Aug., 1891.

APIOS—Moench, 1794.

- A. APIOS—MacM. (*Torr Bull, 1892*). (*A tuberosa* — Moench, 1794). Ground Nut.
Occasional. Low ground. Borders of streams. Liverpool, Aug., 1890.

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. Woods. Roadsides, etc. Roadside, Centreville. Summer.
- G. ROBERTIANUM—Lin. 1753. Herb Robert. Red Robin.
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. CAROLINIANUM—Lin., 1753. Carolina Crane's-bill.
Rare. Woods and cleared lands. Howlett Gorge, July, 1893. L. Underwood.
- G. PUSILUM—Lin. VGEC. Small-flowered Cranesbill.
Rare. Rocky woods. Geddes Gorge, June, 1895.

OXALIDACEÆ—Lindl, 1836—Wood Sorrel Fam.

OXALIS—Lin. 1753.

- O. ACETOSELLA—Lin. 1753. Com. Wood Sorrel. Alleluia.
Occasional. Cold, damp woods. Round Top, May, 1909.
- O. CORNICULATA—Lin. VGEC. Procumbent Yellow Wood Sorrel.
Frequent in old cultivated grounds. Goodrich barnyard. Summer.

- O. STRICTA—Lin. 1753. Upright Yellow Wood Sorrel.
Common. Range same as *O. corniculata*, though more
plentiful. Variable. Goodrich door-yard. Summer.
- O. CYMOSEA—Small. (*Torr Bull, 1896.*) Tall Yellow Wood
Sorrel.
Frequent. Waste places. Near old reservoir. Sum-
mer, 1899.

LINACEAE—Dumort, 1822—Flax Fam.

LINUM—Lin. 1753.

- L. USITATISSIMUM—Lin. Flax. Linseed.
Occasional. Introduced or escaped. Not indigenous.
Frequently found along railroads. Brewerton, Aug.,
1899.
- L. VIRGINIANUM—Lin. 1753. Wild Yellow Flax.
Rare. Dry, sandy places. Brighton. Sandy Hill road.
Otisco.

RUTACEÆ—Juss, 1789—Rue Fam.

XANTHOXYLUM—Lin. 1753.

- X. AMERICANUM—Mill, 1768. Prickly Ash; Toothache
Tree.
Occasional. Swamps and along streams. Dewitt, May,
1908.

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

AILANTHUS—Desf, 1789.

- A. GLANDULOSA—Desf. Tree of Heaven.
An escaped tree. Very offensive when in bloom. Very
rapid grower. Not common. Willow Street, June.

POLYGALACEÆ—Reicheub, 1828—Milkwort Fam.

POLYGALA—Lin. 1753.

- P. CRUCIATA—Lin. 1753. Marsh Milkwort.
Infrequent. Sandy swamps. Pleasant Beach, Aug.,
1885.

- P. VERTICILLATA—Lin., 1753. Whorled Milkwort.
Frequent. Dry soil. Noticeable by the pyramidal form of its closely packed spike of flowers. Fabius, Aug., 1895.
- P. AMBIGUA—Nutt, 1818. (*P. verticillata* var. *ambigua*—Wood, 1870). Long-spiked Milkwort.
Occasional. Flowers very loosely spiked. Range same as the former. Fabius, Aug., 1895.
- P. VIRIDESCENS—Lin. 1753. (*Poligala sanguinea*). Field Purple Milkwort.
Rare. Sandy grounds. Midland Ave., Kirk Park.
- P. NUTTALLII—T. & G., 1840. Nuttall's Milkwort.
Not common. Dry, sandy soil. Long Branch, July, 1890.
- P. SENEGA—Lin. 1753. Seneca Snakeroot.
Common. Rocky soil. Kinney woods. May, 1910.
- P. POLYGAMA—Walt, 1788. Racemed Milkwort.
Occasional. Dry, sandy soil. South Bay, June, 1910.
- P. PAUCIFOLIA—Willd, 1800. Fringed Milkwort.
Occasional. Moist, rich soil. Ten years ago quantities in Tamerac. Locality fast being destroyed as a rich botanical field.

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

ACALYPHA—Lin. 1753.

- A. VIRGINICA—Lin. 1753. Vir. Three-seeded Mercury.
Infrequent. Open fields. Field, Collin's farm, Fayetteville.
- A. GRACILENS—A. Gray, 1848. Slender Three-seeded Mercury.
Rare. Dry, sandy soil. Near Phoenix, July, 1910.

EUPHORBIA—Lin., 1753.

- E. POLYGONIFOLIA—Lin. 1753. Seaside Spurge.
Plentiful on Salt lands, near Onon. Lake.
- E. GLYPTOSPERMA—Engelm, 1859. Ridge seeded Spurge.
Frequent. Sandy soil, near R. R. track—Northern. Summer, 1899.

- E. HUMISTRATA—Engeln, 1856. Hairy Spreading Spurge. Infrequent. Rich soil. Near House of Providence, 1898.
- E. MACULATA—Lin. 1753. Blotched Spurge. Common. Any kind of soil. Fields, roadsides, etc. Near James St., bridge. Summer, 1900.
- E. NUTANS—Lag., 1816. (*E. Preslii*—Guss, 1827) (*E. hypericifolia*—A. Gray, 1848). Upright Spotted Spurge. Common. Dry soil throughout Central N. Y. Roadside, Salina. Summer.
- E. COROLLATA—Lin., 1753. Flowering Spurge. Rare. Dry soil. Solvay. Summer, 1909.
- E. MARGINATA—Pursch, 1814. White-margined Spurge. Rare. Escaped from cultivation. Roadside. Danforth. 1891.
- E. IPECACUANHAE—Lin. 1753. Ipeese Spurge. Rare. Called "emetic." A term applicable to all euphoribas. Low, moist grounds. Marsh btw. Salina and Geddes. Summer, 1889.
- E. LATHYRIS—Lin. 1753. Myrtle Spurge. Rare. Date and habitat same as former. Probably escaped.
- E. PLATYPHYLLA—Lin. 1753. Broad-leaved Spurge. Rare. Along shores. Vacant lot north of Schackleton's Point. Oneida Lake. July, 1896.
- E. HELIOSCOPIA—Lin. 1753. Sun Spurge, Wartweed. Common. Old gardens, etc. T. J. Leach's yard, June 18, 1900.
- E. PEPLUS—Lin. 1753. Petty Spurge. Common. Door yards and streets of city. James St., near Bridge, July.
- E. CYPARISSIAS—Lin. 1753. Cypress Spurge. Frequent. Roadsides. Escaped from gardens. Cemetery. East Syracuse.

CALLITRICHACEÆ—Lindl, 1836—Water Starwort Fam.

CALLITRICHE—Lin. 1753.

- C. AUSTINA—Engelm. (*In Gray's Man., 1867*). (*C. deflexa* var. *Austina* Hegelm.) Austin's "Terrestrial." Water Starwort.
Fragrant. Odor of sweet clover. Rare. Wet soil. Tully. Aug., 1895. Salina, July, 1897.
- C. PALUSTRIS—Lin. 1753. Vernal Water Starwort or Water Fennel.
Frequent. Cool, running water. Dewitt, July, 1906.
- C. HETEROPHYLLA—Pursch, 1814. Larger Water Starwort. Frequent. Stagnant water or low streams. Apulia pond, 1890.

LIMNANTHACEÆ—Lindl, 1836

False Mermaid Fam.

(*Geraniaceae.*)

FLOERKEA—Willd, 1881.

- F. PROSERPINACOIDES—Willd. False Mermaid.
Formerly classed with Geraniums. Rare. Only locality reported. East of Pinnacle, Elmwood. Discovered by L. Underwood, May, 1895.

ANACARDIACEÆ—Lindl, 1830—Sumac Fam.

RHUS—Lin. 1753.

- R. COPALLINA—Lin. 1753. Dwarf Sumac.
Rare. Cultivated in Parks. Leaflets entire; Petioles margined. Not poisonous. Rochester Park, July, 1909.
- R. HIRTA — Sudw. (*Torr Bull, 1892*) (*R. typhina* — *L. 1760*). Staghorn Sumac.
Common. Rocky hillsides. Leaves serrate. Onon. Hill, July, 1909.
- R. GLABRA—Lin. 1753. Smooth Sumac.
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.

- R. RADICANS—Lin. 1753. (*R. toxicodendron*). Poison Ivy.

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. OPACA—Ait, 1789. American Holly.
Very rare. Roadside Greenway farm, Syracuse. L. Underwood, June, 1900.
- I. MONTICOLA—A. Gray, 1856. Large-leaved Holly.
Rare. High hills, thickets. Otisco, 1889.
- I. VERTICILLATA—A. Gray, 1856. Black Alder. Winterberry.
Common. Low grounds and marshes. Camillus, May, 1907.
- I. LAEVIGATA—A. Gray, 1856. Smooth Winterberry.
Occasional. In swampy places. Centreville, June, 1895.

ILICOIDES—Dumont, 1802.

(*Nemopanthes*—Raf. 1819)

- I. MUCRONATA—Britton. (*Mem. Torr Club, 1894.*) (*Nemopanthes fascicularis*—Raf. 1819). Wild or Mountain Holly.
Occasional. Swamps and cold woods. June, 1905.

CELASTRACEÆ—Lindl, 1836—Staff Tree Fam.

EUNONYMUS—Lin., 1753.

- E. ATROPUREUS—Jacq., 1772. Burning Bush; Wahoo.
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.

- S. TRIFOLIA—Lin. 1753. American Bladdernut.
Frequent. Moist woods and openings. Onon. Valley,
May, 1910.

ACERACEÆ—St. Hill, 1805—Maple Fam.

ACER—Lin. 1753.

- A. SACCHARINUM—Lin., 1753. (*Acer dasycarpum*—Ehrh,
1780.) Silver, Soft, or White Maple.
Frequent. Rich woods and fields. Round Top, May,
1905.
- A. RUBRUM—Lin. 1753. Red or Swamp Maple.
Frequent. Low, swampy grounds near Onon. Lake,
May, 1899.
- A. SACHARUM—Marsh, 1785. (*A. Saccharinum*—Wang,
1787). Sugar or Rock Maple.
Common. Rich woods, etc. McKinstry's woods. May,
1898.
- A. PENNSYLVANICUM—Lin. 1753. Striped Maple or Moose-
wood.
Not common. Rich woods. Baldwinsville, Kirkville.
Green Lake. June, 1909.
- A. SPICATUM—Lam., 1786. Mountain Maple.
Frequent. Moist woods and swamps. Jamesville,
June, 1908.

- A. NEGUNDO—Lin. 1753. (*Negundo Aceroides*—Moench, 1794). Ash-leaved Maple.
Occasional. Along streams, etc. Round Top, May, 1891.

BALSAMINACEÆ—Lindl, 1836—Jewelweed Fam.

IMPATIENS—Lin., 1753.

- I. BILFLORA—Walt., 1788. (*Impatiens fulva*—Nutt, 1818.)
Spotted Touch-me-not. Jewel Weed.
Common. Moist grounds. Tully, July, 1899.
- I. AUREA—Muhl, 1813. (*Impatiens pallida*—Nutt, 1818.)
Common. Range same as I biflora. Marcellus, July, 1899.

RHAMNACEÆ—Dumort, 1827—Buckthorn Fam.

RHAMNUS—Lin. 1753.

- R. CATHARTICA—Lin., 1753. Com. Buckthorn.
Rare. Escaped from hedges. Fairmount. (*G. Terry*).
1892.
- R. ALNIFOLIA—L. Her. Alder-leaved Buckthorn; Dwarf Alder.
Occasional. Swamps. Tamerac, July, 1898.

CEANOTHUS—Lin. 1753.

- C. AMERICANUS—Lin. 1753. New Jersey Tea; Red Root.
Frequent. Dry, open woods and roadsides. Jamesville road, June, 1895.

VITACEÆ—Lindl, 1836—Grape Fam.

VITIS—Lin. 1753.

- V. LABRUSCA—Lin. 1753. Northern Fox Grape.
Frequent. Thickets. Origin of Isabella, Catawba, and Concord. Marcellus road. May.
- V. AESTIVALIS—Michx, 1803. Summer Grape.
Occasional. Thickets, roadsides. Jamesville road, June, 1898.

- V. BICOLOR—Le Conte, 1852. Blue or Winter Grape. Occasional. Woods and fences. Long Branch. July.
- V. VULPINA—Lin. 1753. (*V. riparia*—Michx, 1803). Sweet Scented Grape. Frequent. Banks of streams or near water. Green Lake, June, 1899.
- V. CORDIFOLIA—Michx, 1803. Frost Grape. Frequent. Moist thickets and along streams. Marcellus Falls, June, 1899. Fruit ripe in Nov.

PARTHENOCISSUS—Planch, 1887.

(*Ampelopsis*.)

- P. QUINQUEFOLIA—Planch. (*in D. C. Mon., etc., 1877*) (*Ampelopsis quinquefolia*—Michx, 1803). Virginia Creeper. Frequent. Moist woods, copses and river banks. Often cultivated for ornament. Peppermill Gorge, July, 1895.

TILIACEÆ—Juss, 1789—Linden Fam.

TILIA.

- T. AMERICANA—Lin. 1753. Basswood; American Linden. Common. Rich woods and along water courses. Robert's home, June, 1899.
- F. HETEROPHYLLA—Vent. 1802. White Basswood. Not frequent as Americana, similar, with much larger leaves and flowers. Peculiar floral bracts, characteristic of genus. Jamesville, btw. lime kiln and creek, June, 1909.
- F. EUROPAEA—Lin. 1753. European Linden. Only found under cultivation. Much smaller than the two indigenous species, in every part. Origin name of Linneaus. State St., Unitarian lot, 1883.

MALVACEÆ—Neck, 1770—Mallow Fam.

ALTHAEA—Lin. 1753.

- A. OFFICINALIS—Lin. 1753. Marsh Mallow. Rare. Salt Marsh, 1st ward, 1885. Locality covered with Solvay refuse.

MALVA—Lin. 1753.

- M. SYLVESTRIS—Lin. 1753. High Mallow.
Occasional. Wayside, etc. Centerville. Summer,
1895.
- M. ROTUNDIFOLIA—Lin. 1753. Common Mallow.
Common. Waysides and cultivated grounds. G. barn-
yard. Summer. White var. found in Centerville.
- M. MOSCHATA—Lin. 1753. Musk Mallow.
Occasional. Roadsides. Evidently escaped. Howlett
Hill, Aug., 1906.
- M. ALCEA—Lin. 1753. European Mallow.
Occasional. Roadside. Escaped from garden. De-
serted place, Onon. Hill.

ABUTILON—Guertn, 1791.

- A. ABUTILON—Rusby. Mem. Torr Club, 1899. (*A. Avi-
cennae*—*Gaertn, 1795*). Velvet Leaf; Indian Mal-
low.
Frequent. Waste places. Every year in Goodrich barn-
yard. July.

HIBISCUS.

- H. MOSCHEUTOS—Lin., 1753. Swamp Rose Mallow.
Scarce. Brackish places around Onon. Lake. Aug.,
1895.
- H. TRIONUM—Lin., 1753. Bladder Ketmia; Flower of an
Hour.
Occasional. In neglected grounds, west of Elmwood,
Aug., 1886.

HYPERICACEÆ—Lindl, 1836—St. Johnswort Fam.

HYPERICUM—Lin., 1753.

- H. ASCYRON—Lin., 1753. Great St. Johnswort.
Occasional. Banks of streams and moist soil. Bank
Onon. Creek. July.
- H. PROLIFICUM—Lin., 1753. Shrubby St. Johnswort.
Very rare. One locality reported. Fabius, July, 1888.
S. Cole.

- H. KALMIANUM—Lin., 1753. Kalm's St. Johnswort.
Rare. Near Phoenix R. R., Aug., 1889.
- H. ELLIPTICUM—Hook, 1830. Pale St. Johnswort.
Frequent. Swamps and along streams. Shackleton's
Point, Oneida Lake, 1895.
- H. PERFORATUM—Lin., 1753. Common St. Johnswort.
Common. Fields and waste places. Becomes a pernicious
weed. Pellucid dots. 1st ward, Syracuse.
- H. MACULATUM—Walt., 1788. Spotted St. Johnswort.
Frequent. Has both black and pellucid dots. Moist
grounds. Banks Onon. Creek, Castle St., July, 1908.
- H. CORYMBOSUM—Muhl, 1803. Striped St. Johnswort.
Frequent. Moist soil. Has dark stripes and dots.
West Solvay, July, 1908.
- H. MUTILUM. Small-flowered St. Johnswort.
Frequent. Low grounds. Messina Springs, Aug., 1892.
- H. CANADENSE—Lin., 1753. Canadian St. Johnswort.
Frequent. Cool, moist soil. Field and garden, Onon.
Hill, J. Knapp's, 1908.

SAROTHTRA—L., 1753.

- S. GENTIANOIDES—Lin., 1753. (*Hypericum nudicaule* —
Walt, 1788.) Pine Weed.
Occasional. Sandy soil. Liverpool, July, 1908.

TRIADENUM—Raf, 1808.

- T. VIRGINICUM—Raf, 1836. (*Elodea campanulata*—Pursh,
1814.) Marsh St. Johnswort.
Common. Swamps and moist fields. Manlius, Aug.,
1899.

ELATINACEÆ—Lindl, 1836—Waterwort Fam.

ELATINE.

- E. AMERICANA—Arn., 1830. Mud-purslane.
Frequent. Margins of ponds, etc. Pleasant Beach,
Onon. Lake.

CISTACEAE—Lindl, 1836—Rockrose Fam.

LECHEA—Lin., 1753.

- L. MINOR—Lin., 1753. Thyme-leaved Pin-weed.
Frequent. Dry and sterile grounds. Near Cider Mill,
Orville, Aug., 1905.
- L. TENUIFOLIA—Michx, 1803. Narrow-leaved Pin-weed.
Rare. Barren-appearing soil. Old field, Jamesville,
Aug., 1895.

VIOLACEÆ—D. C. 1805—Violet Fam.

VIOLA—Lin., 1753.

- V. PALMATA—Lin., 1753. Early Blue Violet.
Not common. Sterile, sandy soil. Long Branch, May,
1897.
- 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. OBLIQUA—Hill, 1769. (*Viola cucullata*—Ait, 1789.)
Hooded Blue Violet.
Frequent. Woods and fields. Flower resembles the
two former. A variegated form found near Albert
Cusick's home, Ind. Res., May, 1896.
- V. SAGITTATA—Ait, 1769. Arrow-leaved Violet.
Common. Dry or moist places. Kinney farm, May,
1889.
- V. ODORATA—Lin., 1753. English Sweet Violet.
Frequent. Flowers blue or white. Sweet scented. Es-
caped from gardens. Roadside.
- V. ROTUNDIFOLIA—Michx, 1803. Round-leaved Violet.
Rare. Cold woods. Pratt's Falls, May, 1895.
- V. PALUSTRIS—Lin., 1753. Marsh Violet.
Common. Damp places. Tamerac, June, 1908.
- V. SELKIRKII—Pursh, 1822. Selkirk's Violet. Great Spur-
red Violet.
Common. Moist soil. Jamesville, May and June, 1905.

- V. *BLANDA*—Willd, 1806. Sweet White Violet.
Frequent. Damp places. Kimber Spring lot, 1908.
- V. *RENIFOLIA*—A. Gray, 1870. (*V. Blanda var. renifolia*—
A. Gray, *Bot. Gaz.*, 1886.) Kidney-leaved Violet.
Frequent. Resembles *blanda*. Differs in petals being
beardless, brownish-veined. Cleistogenes reflexed.
Jamesville Woods, June, 1895.
- V. *PRIMULAEFOLIA*—Lin., 1753. Primrose-leaved Violet.
Infrequent. Varies greatly or hybridizes with *blanda*.
Range the same. Jamesville, June.
- V. *PUBESCENS*—Ait, 1789. Hairy Yellow Violet.
Common. Woods and openings. Kinney Woods, May,
1906.
- V. *SCABRIUSCULA*—Schwein, 1838. Smoothish Yellow Violet.
Frequent. Smaller and very slightly pubescent.
Jamesville, May, 1906.
- V. *CANADENSIS*—Lin., 1753. Canada Violet.
Common. Rich woods and cleared lands. Hubbell
Woods. June, 1907.
- 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.

- D. MEZERIUM—Lin., 1753. Spurge Laurel.
Here in cultivation only. Abundant in fields and roadsides in Homer. Transplanted in Goodrich garden and yard of C. M. Crouse. May, 1909.

DIRCA—Lin., 1753.

- D. PALUSTRIS—Lin., 1753. Leather Wood.
Frequent. Rich, damp woods and swamps. Tamerac and Centerville, May, 1896.

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.

DECODEN—J. F. Gnel, 1791.

- D. VERTICILLATA—Ell, 1821. Swamp Loosestrife or Willow Herb.
Occasional. Swampy banks of lakes. Oneida Lake, July, 1904.

LYTHRUM—Lin., 1753.

- L. ALATUM—Lin., 1753. Angled Loosestrife.
Rare. Marshy grounds. 1st Ward, July, 1896.
- L. SALICARIA—Lin., 1753. Spiked or Purple Loosestrife.
Rare. Smith & Powell Farm. Low, wet banks. Goodrich wild flower garden. Aug., 1903.

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.

- I. PALUSTRIS—Lin., 1753. (*Ludwigia palustris* — *Ell*, 1817.) Marsh Purslane. Common. Ditches and muddy places. Ditch, roadside, Geddes. Summer.

LUDWIGIA—Lin., 1753.

- L. POLYCARPA—Short and Peter, 1835. Many-fruited *Ludwigia*. Occasional. Wet places. Belle Isle Swamp, Aug., 1905.
- L. ALTERNIFOLIA—Lin., 1753. Seed-box. Rattle-box. Occasional. Swampy grounds. Crouse Farm, July, 1895.

CHAMAENERION—Adams, 1763.

- C. ANGUSTIFOLIUM—Scop. (1772, *Fl. Carn., Ed. 2.*) (*Epilobium angustifolium*—*Lin.*) Fire Weed. Common. Frequently follows forest fires, or newly cleared lands. Onon. Hill, July, 1905.

EPILOBIUM—Lin., 1753.

- E. HIRSUTUM—Lin., 1753. Great Hairy Willow Herb. Rare. Dump grounds, southern part of city, July, 1909.
- E. PALUSTRE—Lin., 1753. Marsh Willow Herb. Occasional. Grassy ditches, roadside, North Syracuse, summer, 1895.
- E. STRICTUM—Muhl, Cat. 39, 1813. Soft Willow Herb. Infrequent. Bog, Rev. Cusick's land, Ind. Res., Aug., 1895.

- E. COLORATUM—Muhl, 1809. Purple-leaved Willow Herb. Infrequent. Low, rich grounds. Centerville road, Aug., 1898.
- E. ADENOCAULON—Haussk, 1879. (*Epilobium glandulosum.*) Northern Willow Herb. Rare. Reported from Tully.

ONAGRA—Adams, 1763.

- O. CRUCIATA—Small. (*Torr Club, 1896.*) (*Oenothera biennis var. cruciata—T. & G., 1840.*) Small Flowered Evening Primrose. Frequent. Meadows, etc. Meadow, O. Hutchinson Farm, Onon. Hill, Aug., 1908.
- O. BIENNIS—Scop. (*Oenothera biennis—Lin., 1753.*) Common Evening Primrose. Common. Widely distributed. Goodrich wild flower garden. Summer, 1898.

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. (*Oenothera fruticosa — Lin., 1753.*) Common Sundrop. Frequent. Ordinary soil. Very variable. Goodrich Barn Yard, June, 1899.
- K. PUMILA—Spach. (*His veg., 1835.*) (*Oenothera pumila —Lin., 1753.*) Small Sundrop. Dry, somewhat barren soil. Jamesville, June, 1908.

GAURA—Lin., 1753.

- G. BIENNIS—Lin., 1753. Biennial Gaura. Rare here. Frequent on coast of St. Lawrence. Belle Isle, July, 1905.

CIRCAEA.

- C. LUTETIANA—Lin., 1753. Enchanter's Night Shade.
Common. Woods, wet or dry. Goodrich wild flower
garden, July, 1910.
- C. ALPINA—Lin., 1753. Smaller E. Night Shade.
Common. Same as Lutetiana. Goodrich wild flower
garden.

HALORAGIDACEÆ—Kl. & Garcke, 1852

Water Milfoil Fam.

PROSPERINACA—Lin.

- P. PALUTRIS—Lin., 1753. Mermaid Weed.
Rare. Very wet swamps. Edge of Apulia Pond, Aug.,
1892.

MYRIOPHYLLUM—Lin.

- M. SPICATUM—Lin., 1753. Spiked Water Milfoil.
Common. Lakes and ponds. Raymond Lake, Little
York, Aug., 1890.
- M. VERTICILLATUM—Lin., 1753. Whorled Water Milfoil.
Common. Ponds and lakes. Arm of Raymond Lake,
under R. R. tracks, Aug., 1892.
- M. TENELLUM—Bigel, 1824. Slender Water Milfoil.
Frequent. Ponds, etc. Apulia Pond, Aug., 1892.
- M. HETEROPHYLLUM—Michx, 1803. Various-leaved Water
Milfoil.
Frequent. Ponds. Leaves vary. Tully and Little York
Lakes, Aug., 1892.
- M. FARWELLII—Morong. (*Bull Torr Club, 1891.*) Far-
well's Water Milfoil.
Occasional? Lakes, etc. Mud Lake, Fabius, 1890.

ARALIACEAE—Vent, 1799—Ginseng Fam.

ARALIA—Lin., 1753.

- A. SPINOSA—Lin., 1753. Hercules Club. Spikenard Tree.
Rare. Low grounds. Tamerac Swamp several years
ago. Prospect Ave., 1892. Lot on Holland St., June,
1908.

- A. RACEMOSA—Lin., 1753. American Spikenard. Indian-root.
Frequent. Rich openings and woods. LaFayette woods, July, 1908.
- A. NUDICAULIS—Lin. Wild Sarsaparilla.
Frequent. Borders of woods. Otisco and South Onon., June, 1888.
- A. HISPIDA—Vent, 1800. Bristly Sarsaparilla.
Frequent. Rocky and sandy places. Jamesville Road.

PANAX—Lin., 1753.

(ARALIA.)

- P. QUINQUEFOLIA—Lin., 1753. Ginseng.
Becoming scarce. Rich woods. Aromatic. Tully, 1892.
- P. TRIFOLIUM—Lin., 1753. Dwarf Ginseng. Ground Nut.
Common. Root edible; not aromatic. Fabius, May, 1893.

UMBELLIFEREÆ—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.
Common. Swamps, wet grounds. Sunken lot, Midland Ave., July, 1899.

OXYPOLIS—Raf., 1825.

(*Tiedemannia*—Dc., 1829.)

- O. RIGIDUS—Britton. Mem. Torr. Club, 1894. (*Tiedemannia rigida*—D. C., 1829.) Cow-bane.
Frequent. Swamps. Poisonous to cattle. Swamp west from Price Place, 1896.

CONOISELLINUM—Hoffm., 1814.

- C. CHINENSE—B. S. P., Prel. Cat., N. Y., 22, 1888. (*Conoisellinum Canadense*—T. & G., 1840.) Hemlock Parsley.
Occasional. Swamps and low damp places. Base of Round Top, July, 1805.

HERACLEUM—Lin., 1753.

- H. LANATUM—Michx, 1803. Cow Parsnip.
Frequent in moist grounds. Near creek, Onon. Valley, July, 1900.

PASTINACA—Lin., 1753.

- P. SATIVA—Lin., 1753. Wild Parsnip. Madnep.
Common everywhere. Country roadsides, etc. Roadside, Valley, July, 1899.

THASPIUM—Nutt, 1818.

- T. TRIFOLIATUM—Britton, Mem. Torr. Club, 1894. Purple Meadow Parsnip. Frequent. Very variable. Extreme form more common west than here. Foot of Jamesville Woods, July, 1890.
- T. AURIUM—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.

- S. MARYLANDICA—Lin., 1753. Black Snake-root.
Frequent. Rich woods and swampy grounds. Brittain Woods, June, 1899.
- S. CANADENSIS—Lin., 1753. Short-styled Snake-root.
Frequent. Habits and habitat with Marylandica. Britton Woods, June, 1899.

PIMPINELLA—Lin., 1753.

(Zizia.)

- P. INTEGERRIMA—A. Gray, 1868. (*Zizia integerrima*—D. C., 1830.) Yellow Pimpernel.
Frequent. Rich woods, etc. Collins' Woods, July, 1909.

EULOPHUS—Nutt, 1829.

- E. AMERICANUS—Nutt, 1829. Eastern Eulophus.
Very rare. Found in woods. Fabius, July, 1905.

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.

- C. MACULATUM—Lin., 1753. Poison Hemlock.
Frequent. Waste places. Extends over a large territory in every direction. A *virulent poisonous herb*.
Long Branch, July, 1909.

SIUM—Lin., 1753.

- S. CICUTAE FOLIUM—Gmel., 1791. Hemlock Water-parsnip.
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-curved ones. Used for garnish-
ing.
- A. GRAVEOLINS—Lin., 1753. Celery. Smallage.
Occasional. Escaped from gardens. Roadsides, etc

ZIZIA—Koch, 1825.

- G. AUREA—Koch, 1825. Early Meadow-parsnip.
Frequent. Woods and open fields. Marcellus, June,
1895.

CARUM—Lin., 1753.

- C. CARUI—Lin., 1753. Caraway.
Frequent. Country roadsides. Escaped. Fairmount,
June, 1905.

CICUTA.

- C. MACULATA—Lin., 1753. Water Hemlock. Spotted
Cowbane.
Frequent. Swamps and low grounds. Anderson Farm,
Valley Road, June, 1895.
- C. BULBIFERA—Lin., 1753. Bulb Water Hemlock.
Frequent. Swamps. Known by its clusters of bulbs
in axils of leaves. Poisonous. Swamp on Price land,
Aug., 1892.

DERINGA—Adams, 1763.

(CRYPTOTAENIA—D. C., 1829.)

- D. CANADENSIS — Kuntze. (*Cryptotaenia Canadensis*,
1829.) Honewort.
Common. Woods and shady places. Goodrich wild
flower garden. June.

BERULA—Hoffm., 1821.

- B. ERECTA—Coville, 1893. Cut-leaved Water Parsnip.
Infrequent. Swamps. Stems not spotted. Otherwise
similar to *cicuta maculata*. Anderson Swamp.

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.
- H. AMERICANA—Lin., 1753. American Marsh Pennywort. Rare. Swamp. Have found H. A. in one locality only, viz: Dr. Hoyt's farm, east from Green Point. Reported by S. Cole, Otisco. Found on Indian Reservation, Aug., 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.
- C. FLORIDA—Lin., 1753. Flowering Dogwood. Occasional. Woods and openings. Elmwood, 1907.
- C. CIRCINNATA—L. Her., 1788. Round-leaved Cornel. Frequent. Shady places. Jamesville Road, June, 1899.
- C. AMONUM—Mill, 1768. (*Cornus sericea*, 1771.) Kinnikinnick. Silky Cornel. Frequent. Moist, shady places. Dorwin Springs, July, 1895.
- C. ASPERIFOLIA—Michx, 1893. Rough-leaved Dogwood. Frequent. Wet ground or near water. Dorwin Springs, July, 1895.
- C. STOLENIFERA—Michx, 1803. Red-osier Dogwood. Frequent. Moist, shady places. South Onon., June, 1893.
- C. CANDIDISSIMA—Marsh, 1785. (*Cornus paniculata*—L. Her., 1788.) Panicked Dogwood. Frequent. Banks of streams and thickets. Three River Point, June, 1899.
- C. ALTERNIFOLIA—Lin., 1753. Alternate-leaved Dogwood. Frequent. Same range as candidissima. Under cultivation becomes a beautiful tree. Goodrich garden, May, 1890.

NYSSA—Lin., 1753.

- N. SYLVATICA—Marsh, 1785. Pepperidge. Tupelo. Sour Gum.
Rare. Reported by S. Cole, Otisco. I have not found it.

PYROLACEÆ—Agardh, 1825—Wintergreen Fam.

PYROLA—Lin., 1753.

- P. ROTUNDIFOLIA—Lin., 1753. Round-leaved Pyrola, or Wintergreen.
Occasional. Dry woods. Chestnut grove, North Syracuse, July.
- P. CHLORANTHA—Sav., 1810. Greenish-flowered Wintergreen.
Occasional. Open places. The smallest-leaved Pyrola found here. Old extinct chestnut grove, Cicero, July, 1907.
- 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.
Infrequent. Dry woods. Montfredy's Woods.

- C. UMBELLATA—Nutt, 1818. Pipsissewa. Prince's Pine.
Occasional in dry woods. Skaneateles, June, 1898.

MONOTROPACEÆ—Lindl, 1836—Indian Pipe Fam.

MONOTROPA—Lin., 1753.

- M. UNIFLORA—Lin., 1753. Indian Pipe. Corpse Plant.
Frequent. Damp places. Long Branch, July, 1896. I
have found pink specimens near Lake Oswegatchie,
Adirondacks, Lewis Co., Aug. 1896.

HYPOPITYS—Adams, 1763.

- H. HYPOPITYS—Small. (*Mem. Torr. Club, 1894.*) Pine
Sap. False Beech Drop.
Very rare. Oak and pine forests, generally. LaFayette
Woods, 1900.

ERICACEÆ—D. C., 1805—Heath Fam.

LEDUM—Lin., 1753.

- L. GROENLANDICUM—O. Eder, 1771. (*Ledum latifolium—
Ait, 1789.*) Labrador Tea.
Common. Cold bogs, etc. LaFayette Woods, Tamerac,
June, 1896.

AZALEA—Lin., 1753.

- A. NUDIFLORA—Lin., 1753. (*Rhododendron nudiflora—
Torr., 1824.*) Wild Honeysuckle. Pinkster Flower.
Occasional. Variable in color, number of stamens, etc.
- A. VISCOSA—Lin., 1753. (*Rhododendron viscosum—Torr.,
1824.*) Swamp Pink Honeysuckle.
Rare. Swamps, etc. Tamerac Swamp, June, 1899.
Orville, June, 1898.
- A. ARBORESCENS—Pursh, 1814. (*Rhododendron arbores-
cens—Torr., 1824.*) Smooth Azelea.
Occasional. High, swampy woodlands. Otisco. S. Cole.

KALMIA—Lin., 1753.

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

Three are found in N. Y. State. *Angustifolia*, plentiful in Adirondacks. *Latifolia*, eastern and southern parts of state. *Glauca*, central. Cicero Swamp, July, 1899.

ANDROMEDA—Lin.

- A. *POLIFOLIA*—Lin., 1753. Wild Rosemary.
Rare. Cold bogs. Cicero Swamp and Tamerac, June, 1899.

CHAMAEDAPHNE—Moench, 1794.

- C. *CALYCVLATA*—Moench, 1794. (*Cassandra calyculata*—*D.*, 1834.) Leather Leaf.
Frequent. Bogs and swamps. Apulia, June, 1895.

EPIGAEA—Lin., 1753.

- E. *REPENS*—Lin., 1753. Trailing Arbutus.
Getting scarce. Sandy grounds. Centerville, May, 1897.

GAULTHERIA—L., 1753.

- G. *PROCUMBEUS*—Lin., 1753. Creeping Wintergreen, or Partridge Berry.
Plentiful everywhere. Woods and opens. Hubbell Woods, June.

ARCTOSTAPHYLOS—Adams, 1763.

- A. *UVA URSA*—Spreng, 1825. Red Bear Berry.
Rare. Woods and borders. Camillus, May, 1899.

VACCINIACEÆ—Lindl, 1847—Huckleberry Fam.

GAYLUSSACIA—H. B. K., 1818.

- G. *FRONDOSA*—A. & G., 1843. Blue Dangleberry.
Occasional. Moist woods. Hopper's Glen, June, 1899.
- G. *RESINOSA*—T. & G., 1843. Black, or High Bush Huckleberry.
Frequent. Rocky woods and swamps.
- G. *DUMOSA*—T. & G., 1848. Dwarf Huckleberry.
Frequent. Sandy swamps. Centerville, June, 1895.

VACCINIUM—Lin., 1753.

- V. MEMBRANACEUM—Dougl., 1834. (*Vaccinium Myrtilloides*—Hook, 1834.) Thin-leaved Bilberry.
Rare. Damp woods. Otisco. S. Cole.
- 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.
Occasional. Swamps. Tamerac and Cicero, 1900.
- V. PENNSYLVANICUM—Lam., 1783. Dwarf Blueberry.
Rare here; abundant in Adirondacks. Otisco. S. Cole.
- V. VACILLANS—Kalm. (*Torr. Flo. N. Y., 1843.*) Blue Huckleberry.
Occasional. Dry places. Round Top, 1897.
- V. PALLIDUM—Ait., 1789. Mountain Blueberry.
Infrequent. Elevated grounds. Round Top, May, 1897.
- V. STAMINEUM—Lin., 1753. Deerberry. Buckberry. Squawberry.
Rare. Dry, elevated grounds. Otisco Hill, May, 1897.

CHIOGENES—Salisb., 1815.

- C. HISPIDA—T. & G., 1843. Creeping Snowberry.
Rare. Cold, wet places. Tully, Otisco. S. Cole. May, 1895.

OXYCOCCUS—Hill, 1796.

- O. OXYCOCCUS—MacM. (*Torr. Club Bull., 1891.*) (*Vaccinium oxycoccus*—Lin., 1753.) Small Cranberry.
Infrequent. Cold bogs. Cicero, June, 1895.
- O. MACROCARPUS—Pers., 1805. (*Vaccinium macrocarpon* Ait., 1789.) Large Cranberry.
Rare. Cold swamps. Howlett Swamp, June, 1895.

PRIMULACEÆ—Vent, 1799—Primrose Fam.

HOTTONIA.

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

Occasional. Stagnant Pond, Hoyt Farm, L. M. Underwood. Oak Orchard, L. L. Goodrich.

SAMOLUS.

- S. FLORIBUNDUS—H. B. K., 1817. (*S. Valerandi* var. *Americanus*—A. Gray, 1856.) Water Pimpernel. Common. Shallow water and swamps. Onon. Valley, June, 1908.

LYSIMACHIA—Lin., 1753.

- L. VULGARIS—Lin., 1753. Golden Loosestrife. Occasional. Openings and roadside. Phoenix Road, June.
- L. QUADRIFOLIA—Lin., 1753. Whorled Loosestrife. Occasional. Thickets. Liverpool, June, 1899.
- L. TERRESTRIS—B. S. P. (*Prel. Cat. N. Y., 1888.*) (*L. stricta*—Ait., 1789.) Bulb-bearing Loosestrife. Frequent. Swamps and wet grounds. Long Branch, Aug., 1902.
- L. NUMMULARIA—Lin., 1753. Moneywort. Frequent. Roadsides, etc. Escaped. Spreads rapidly. Onon. Valley.

STEIRONEMA.

- S. CILIATUM—Raf., 1820. Fringed Loosestrife. Occasional. Moist thickets. Howlett Farm, July, 1898.
- S. LANCEOLATUM—A. Gray, 1876. Lance-leaved Loosestrife. Plentiful in certain moist places. Howlett Swamp, 1898.
- S. QUADRIFLORUM. (*Steironema longifolium*—A. Gray, 1776.) Linear-leaved Loosestrife. Frequent near lakes and streams. Maple Bay, June.

NAUMBURGIA.

- N. THYRSIFLORA—Duby, (*in D. C. Prod. 860, 1844.*) (*Lysimachia thyrsoflora*—Lin., 1753.) Tufted Loosestrife. Rare. Banks of lakes, ponds, etc. Oneida Lake, June, 1909.

TRIENTALIS—Lin., 1753.

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

ANAGALLIS—Lin., 1753.

- A. ARVENSIS—Lin., 1753. Red, or Scarlet Pimpernel.
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. AMERICANA—Lin., 1753. White Ash.
Common. Rich woods and roadsides. Fairmount State Farm, May, 1898.
- F. LANCEOLATA — Borch, 1800. (*Fraxinus viridis* — Michx, 1813.) Green Ash.
Frequent. Along streams. Rich woods. Camillus, 1907.
- F. PENNSYLVANICA—Marsh, 1785. (*Fraxinus pubescens* — Lam., 1786.) Red Ash.
Frequent. Low woods. Fairmount, May, 1898.
- F. NIGRA—Marsh, 1785. (*Fraxinus sambucifolia*—Lam., 1786.) Black Ash.
Frequent. Swamps and wet soil. Onon. Hill, May, 1889.

LIGUSTRUM—Lin., 1753.

- L. VULGARE—Lin., 1753. Privet, or Prim.
Infrequent. Escaped to roadside. Fairmount, July, 1896.

GENTIANACEÆ—Dumort, 1829—Gentian Fam.

ERYTHRAEA—Neck, 1790.

- E. CENTAURIUM—Pers., 1805. Lesser Centaury. Bloodwort.

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.
- S. ANGULARIS—Pursh, 1814. Bitter Bloom.
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.
Occasional. Low, moist grounds. Ind. Res.
- G. DETONSA—Rattb., 1776. (*G. serrata*—Gunner, 1772.)
Smaller Fringed Gentain.
Rare. Wet places. Kimber Spring Lot.
- G. QUINQUEFOLIA—Lin., 1753. Ague Weed.
Rare. Oneida Lake shore, Selkirk, Sept., 1910.
- G. SAPONARIA—Lin., 1753. Soapwort Gentain.
Rare. Moist woods. Apulia, Sept., 1895.
- G. ANDREWSII—Griseb., 1834. Closed Gentain.
Infrequent. Low, moist soil. Ind. Res., Sept., 1905.
- G. LINEARIS—Froel, 1706. Narrow-leaved Gentain.
I found in Adirondacks near Lake Oswegatchie.

TETRAGONANTHUS—S. G. Gmel., 1769.

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

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

MENYANTHES—Lin., 1753.

- M. TRIFOLIATA—Lin., 1753. Buck Bean.
Occasional. Cold bogs. Cicero Swamp, June 1st, 1900.

APOCYNACEÆ—Lindl, 1836—Dogbane Fam.

VINCA—Lin., 1753.

- V. MINOR—Lin., 1753. Periwinkle, or Myrtle.
Common. Roadsides. Escaped from gardens and
country cemeteries. Onon. Station, Auburn trolley,
May, 1910.

APOCYNUM—Lin., 1753.

- A. ANDROSAEMIFOLIUM—Lin., 1753. Spreading Dogbane.
Frequent. Common. Thickets, roadsides, etc. Uni-
versity Hill, June, 1908.
- A. CANNABINUM—Lin., 1753. Indian Hemp. Amy-root.
Common. Damp grounds and banks of streams. Very
variable. Knapp Farm, June, 1899. A smaller variety,
“*A-glaberrimum*,” considered by some a distinct
species.

ASCLEPIADACEÆ—Lindl, 1836—Milkweed Fam.

ASCLEPIAS—Lin., 1753.

- A. TUBEROSA—Lin., 1753. Butterfly-weed. Pleurisy-root.
Frequent. Dry, sandy fields. Roadsides. Road to
Brewerton, July, 1898.
- A. PURPURASCENS—Lin. Purple Milkweed.
Common. Dry fields and thickets. Onon. Valley, July,
1909.
- A. INCARNATA—Lin. Swamp Milkweed.
Common. Swamps, etc. Long Branch, Aug., 1910.
- A. PULCHRA—Ehrh., 1798. Hairy Milkweed.
Occasional. Range same as *incarnata*, which it strongly
resembles. Strongly pubescent and broader leaves.
Onon. Hill, July, 1906.
- A. OBTUSIFOLIA—Michx., 1753. Blunt-leaved Milkweed.
Infrequent. Sandy thickets. South Onondaga and Dr.
Hoyt's Farm, June, 1885. Mary Leach.
- A. QUADRIFOLIA—Jacq., 1767. Four-leaved Milkweed.
Common. Thickets and country roads. Jamesville
Road, June, 1895.

- A. SYRIACA—Lin., 1753. (*Asclepias cornuti*—Dec., 1844.)
Common Milkweed, or Silkweed.
Common everywhere. Rich grounds. Burnet Ave.,
City, summer.
- A. EXALTATA—Muhl, 1813. (*A. phytolaceoides* — Pursh,
1814.) Poke, or Tall Milkweed.
Frequent. Woods and shores. Hutchinson Farm,
Onon. Hill, July, 1898.

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.

- I. PURPUREA—Roth, 1787. Morning Glory.
Frequent. Roadside and field fences. Probably es-
caped. Fairmount, July, 1909.

CONVOLVULUS.

- C. SEPIUM—Lin., 1753. (*C. sepium* var. *Americanus*—
Sims, 1804.) Hedge Bindweed.
Frequent. Among bushes and tall herbs. Near Onon.
Creek, Logan Ave., 1909.
- C. REPENS—Lin., 1753. (*C. sepium* var. *repens*—A. Gray,
1878.) Trailing Bindweed.
Occasional, covering small banks or hillocks. Bellevue
Ave., summer, 1910.
- C. SPITHAMAEUS—Lin., 1753. Upright Bindweed.
Frequent. Dry, rocky, or sandy soil. Manlius, sum-
mer, 1909.

- C. ARVENSIS—Lin., 1753. Small Bindweed.
Common. Borders of old grain fields. Marcellus,
June, 1909.

CUSCUTACEÆ—Dumort, 1829—Dodder Fam.

CUSCUTA—Lin.

- C. CEPHALANTHI — Engelm., 1842. (*C. tenuiflora* —
Engelm.) (*A. Gray Man.*, 1848.) Button Bush
Dodder.
Occasional. Wet soil on tall herbs. Seneca River, July,
1907.
- C. GRONOVII—Willd, 1820. Gronovius' Dodder.
Common. Wet, shady places. Long Branch, July, 1908.
S. Cole.
- C. COMPACTA—Juss, 1841. Compact Dodder.
Frequent. Generally on shrubs. Maple Bay.
- C. PARADOXA—Raf., 1820. (*Cuscuta glomerata*—*Choisy*,
1841.) Glomerate Dodder.
Frequent on tall herbs. On Solidago, Tamerac, June,
1908.

POLEMONIACEÆ—D. C., 1805—Phlox Fam.

PHLOX—L., 1753.

- P. MACULATA—Lin., 1753. Garden Phlox.
Rare. Rich woods and thickets. Said to have escaped
from gardens but is found a long distance from dwell-
ings. Kimber Woods, July, 1906.
- P. DIVARICATA—Lin., 1753. Wild Blue Phlox.
Frequent. Damp, rocky woods. Jamesville Woods,
June, 1898.
- P. SUBULATA—Lin. Ground, or Moss Pink.
Rare. Dry, sandy, or rocky places. Sand Hill and
Calthrop Grove, May.

POLEMONIUM—Lin.

- P. REPTANS—Lin., 1753. Greek Valerian.
Rare. Rich woods. Brittain Woods, May, 1899.

- P. VAN BRUNTIÆ—Britton. (*Bull. Torr. Club, 1892.*)
 (*P. caeruleum*—A. Gray, 1863.) American Jacob's
 Ladder.
 Very scarce. Near Onon. Valley. Perry tract.

HYDROPHYLLACEÆ—Lindl, 1836.

HYDROPHYLLUM—Lin., 1753.

- H. VIRGINICUM—Lin., 1753. Virginia Waterleaf.
 Frequent. Rich woods. East Syracuse, May, 1908.
- H. MACROPHYLLUM—Nutt, 1834. Large-leaved Waterleaf.
 Occasional. Rich woods. Kinney Woods, May, 1908.
- H. APPENDICULATUM—Michx, 1803. Appendaged Water-
 leaf.
 Frequent. Rich woods, etc. Goodrich wild flower gar-
 den, June, 1899.
- H. CANADENSE—Lin., 1753. Broad-leaved Waterleaf.
 Rare. Rich woods, etc. Goodrich wild flower garden.

PHACELIA—Juss, 1789.

- P. DUBIA—Small. (*Bull. Torr. Club, 1894.*) (*P. parvi-
 flora*—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 fol-
 lowing spring. The only known locality north of Penn.
 L. L. G.

BORAGINACEÆ—Lindl, 1836—Borage Fam.

CYNOGLOSSUM—Lin.

- C. OFFICINALE—Lin., 1753. Hound's Tongue.
 Common. Everywhere. Interesting, though trouble-
 some weed. Roadside, Salina, summer, 1908.
- C. VIRGINICUM—Lin., 1753. Wild Comfrey.
 Rare. Woods and thickets. Manlius, May, 1907.

LAPPULA—Moench, 1794.

- L. LAPPULA—Karst. (*Deutsch. Flo.*, 1880-83.) (*Echinosperrnum lappula*—Lehm., 1818.) European Stickweed. Common. Waste grounds and roadsides. Valley Road, June, 1889.
- L. VIRGINIANA—Greene. (*Echinosperrnum Virginicum*—Lehm., 1818.) Virginia Stickweed, or Beggar's Lice. Frequent. Woods and waste fields. Kinney Field, July, 1898.

MYOSOTIS—Lin., 1753.

- M. PALUSTRIS—Lam., 1778. Forget-me-not. Rare. Thickets. Abundant in Selkirk. Fabius, July.
- M. LAXA—Lehm., 1818. Smaller Forget-me-not. Rare. In water and wet places. Brewerton, July, 1889.
- M. ARVENSIS—Lam., 1788. Field Mouse Ear. Infrequent. Fields, etc. Oakwood, June, 1891.
- M. VIRGINICA—B. S. P. (*Prel. Cat. N. Y.*, 1888.) (*Myosotis verna*—Nutt., 1818.) Spring Scorpion-grass. Frequent. Dry hillsides and uncultivated grounds. Oakwood, May.

LITHOSPERMUM—Lin., 1753.

- L. ARVENSE—Lin., 1753. Corn Gromwell. Frequent. Waste places and sandy fields. Calthrop Woods, July, 1899.
- L. OFFICINALE—Lin., 1753. Gromwell. Common. Fields and waste places. Hopper's Glen, May, 1899.
- L. GMELINA—A. S. Hitchcock. (*Lithospermum hirtum*—Lehm., 1818.) Gmelin's Puccoon. Rare. Sandy hillsides. Pine woods, Orville, May, 1909; east from Fiddler's Green, June, 1908.
- L. LATIFOLIUM—Michx., 1803. American Cromwell. Rare. Borders of woods and openings. Peppermill Gorge, May, 1889.
- L. CANESCEN—Lehm., 1818. Hoary Puccoon. Rare. Sandy soil and barren hills. Brewerton, June, 1899.

ONOSMODIUM—Michx, 1803.

- O. CAROLINIANUM—D. C., 1846. (*Lithospermum Carolinianum*.) Shaggy False Gromwell.
Very rare. Dry fields. Jamesville, June, 1907.
- 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.

- S. OFFICINALE—Lin., 1753. Comfrey, Healing Herb.
Common. Roadsides and along streams. Taunton, Split Rock, summer, 1907.

BORAGO—Lin.

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

LYCOPSIS—Lin., 1753.

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

ECHIUM—Lin.

- E. VULGARE—Lin., 1753. Viper's Bugloss. Blueweed.
Frequent. Dry, waste grounds. University Campus, July, 1882.

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

VERBENA—Lin., 1753.

- V. OFFICINALIS—Lin., 1753. European Vervain. Berbine.
Rare. Old fields and cultivated grounds. Wm. Roberts' Barnyard, 1880.
- V. URTICIFOLIA—Lin. White Vervain.
Frequent. Fields and waste places. Goodrich Barnyard, Aug., 1900.

- V. HASTATA—Lin., 1753. Blue Vervain.
Common. Waste grounds and roadsides. James St.,
Aug., 1910.
- 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.

- A. REPTANS—Lin., 1753. Bugle Weed.
Rare. Fields and waste grounds. C. M. Crouse Lot,
June, 1890. M. Leach.

TEUCRIUM—Lin.

- T. CANADENSE—Lin., 1753. Wood Sage.
Frequent. Low grounds. Onon. Valley, July, 1898.

TRICHOSTEMA—Lin.

- T. DICHOTOMUM—Lin. Bastard Pennyroyal.
Frequent. Dry, sandy fields. Grounds of A. Davis,
(Thornden), Aug., 1906.

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.
- S. GALERICULATA—Lin., 1753. Hooded Willow Herb.
Common. Low, wet places. Swamp, Maple Bay, July,
1899.

- S. NERVOSA—Pursh, 1814. Veined Skullcap.
Frequent. Moist thickets. Apulia, June, 1889.

MARRUBIUM—Lin., 1753.

- M. VULGARE—Lin. White, or Common Hoarhound.
Common. Moist places; roadsides. Marcellus, July,
1895.

AGASTACHE—Clayt., 1752.

(*Lophanthus*.)

- A. NEPETOIDES—Kuntze. (*Lophanthus nepetoides*—Benth.,
1829.) Catnip. Giant Hyssop.
Rare. Borders of woods. Peppermill Gorge, Aug.,
1908.
- A. SCROPHULARIAEFOLIA—Kuntze. (*Lophanthus scrophu-*
lariaefolius—1829.) Figwort. Giant Hyssop.
Rare. Same range as *A. nepetoides*. Otisco, July, 1885.

MEEHANIA—Britton.

(*Bull. Torr. Club*, 1894.)

- M. CORDATA—Britton, B. T. C., 1894. (*Cedronella cordata*
Benth.) Meehania.
Rare. J. Knapp's Farm, Onon. Hill, July, 1909.

NEPETA—Lin., 1753.

- N. CATARIA—Lin., 1753. Catmint. Catnip.
Common. Waste places; old gardens. G. wild flower
bed.

GLECOMA.

- G. HEDERACEAE—Lin., 1753. (*Nechoma glecoma*—Benth.,
1834.) Gill-over-the-ground. Ground Ivy.
Common. Becomes a troublesome runner in lawns.
Summer.

DRACOCEPHALUM—Lin.

- D. PARVIFLORUM—Nutt, 1818. Amer. Dragon Head.
Infrequent. Dry, gravelly, or rocky soil. Rockwell
Springs, June, 1899.

PRUNELLA—Lin., 1753.

(Brunella.)

- P. VULGARIS—Lin., 1753. Heal-all. Self-heal.
Common. In every climate and every kind of soil in the United States. Finest and largest specimens in moist places. Long Branch, May, 1910.

PHYSOSTEGIA—Benth., 1834.

- P. VIRGINIANA—Benth. False Dragon-head.
Rare. Moist thickets. Varies. Oakwood, Aug., 1898.

PHLOMIS—Lin., 1753.

- P. TUBEROSA—Lin., 1753. Jerusalem Sage.
Occasional. Moist shores. Jennings Camp Grounds, Oneida Lake, Aug., 1895.

GALEOPSIS—Lin., 1753.

- G. LADANUM—Lin., 1753. Red Hemp Nettle.
Rare. Waste places. Camillus, July, 1898.
- G. TETRAHIT—Lin., 1753. Com. Hemp Nettle.
Frequent. Waste places. Otisco and City Dumps, Aug. 1899.

LEONURUS—Lin., 1753.

- L. CARDIACA—Lin., 1753. Motherwort.
Common. Around country dwellings. Dooryard, opposite St. Agnes, Aug., 1895.
- L. MARRUBIASTRUM—Lin., 1753. Hoarhound.
Rare. Waste places. Mr. Worker's Farm, Aug., 1900.

LAMIUM—Lin., 1753.

- L. AMPLEXICAULE—Lin., 1753. Henbit. Dead Nettle.
Frequent. Roadside, etc. Escaped. G. wild flower garden. 1910. Summer.
- L. PURPUREUM—Lin. Red Dead Nettle.
Common. Range same as maculatum. Goodrich garden.
- L. MACULATUM—Lin., 1753. Spotted Dead Nettle.
Frequent. Escaped. Also Goodrich garden, summer, 1910.

- 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.
Occasional. Near Canal, 1st Ward, summer, 1899.

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.
Infrequent. Moist fields and thickets. Long Branch, July, 1909.
- S. PALUSTRIS—Lin., 1753. Hedge Nettle. Clown's Woundwort.
Frequent. Wet grounds. Woods southeast from Orville, July, 1908.
- S. ASPERA—Michx, 1803. Rough Hedge Nettle, or Woundwort.
Common. Wet grounds. South from Otisco Lake.

MONARDA—Lin., 1753.

- M. DIDYMA—Lin. Oswego Tea. Bee Balm.
Frequent. Moist woods. Distributed throughout Co. Jamesville Woods. Brittain Woods, Aug., 1895.
- 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.

- H. PULEGIOIDES—Pers., 1807. American Pennyroyal.
Common. Dry, open woods and fields. C. Hubbel Woods, July, 1905.

MELISSA—Lin., 1753.

- M. OFFICINALIS—Lin., 1753. Lemon, or Bee Balm.
Occasional. Roadside. Probably escaped. Goodrich
wild flower garden, summer, 1910.

CLINOPODIUM—Lin., 1753.

(*CALAMINTHA*—Moench, 1794.)

- C. VULGARE—Lin., 1753. (*Calamintha clinopodium*—
Benth., 1848.) Basil.
Frequent. Borders of thickets, etc. Marcellus, sum-
mer, 1895.

HYSSOPUS—Lin., 1753.

- H. OFFICINALIS—Lin., 1753. Hyssop.
Rare. Roadsides. Sparingly escaped from gardens.
Onon. Hill, Sept., 1899. M. Leach.

ORIGANUM—Lin.

- O. VULGARE—Lin., 1753. Origanum. Wild Marjoram.
Scarce. Roadsides and open fields.

KOELLIA—Moench., 1794.

- K. FLEXUOSA — Mac. M. (*Pycnanthemum linifolium* —
Pursh, 1814.) Narrow-leaved Mountain Mint.
Rare. Marcellus Falls, July, 1905.
- K. VIRGINIANA—Mac M. (*Met. Minn.—Brit.*, 1892.)
(*Pycnanthemum lanceolatum*—*Pursh.*, 1814.) Vir.
Mountain Mint.
Rare. Glen Haven, summer, 1898.
- K. INCANA—Kuntze. (*Rev. Gen. Pl.* 520—*Brit.*, 1891.)
(*Pycnanthemum incanum*—*Michx.*, 1802.) Hoary
Mountain Mint.
Very rare. Found on old dump grounds near Kirk
Park, Aug., 1910. B. Douglas.

LYCOPUS—Lin., 1753.

- L. VIRGINICUS—Lin., 1753. Bugle Weed.
Not common. Very variable. Moist places. Otisco,
Aug., 1895.

- L. *SESSILIFOLIUS*—A. Gray, 1870. Sessile-leaved Water Hoarhound.
Frequent. Wet places. Near Jennings' Camp, Oneida Lake, Aug., 1895.
- L. *AMERICANUS*—Muhl., 1815. (*Lycopus sinuatus*—1817.)
Cut-leaved Water Hoarhound.
Common. Wet places. Tully, Aug., 1895.
- 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.

- M. *SPICATA*—Lin., 1753. (*Mentha viridis*—Lin., 1763.)
Spearmint.
Common. Roadsides; brooksides. Elmwood Brook, summer, 1909.
- M. *PIPERITA*—Lin., 1753. Peppermint. Lamb Mint.
Common. Brooks, ditches and all wet places. Elmwood, summer, 1909.
- M. *CITRATA*—Ehrh., 1792. Bergamot Mint.
Infrequent. Wet soil. Jamesville Road, summer, 1892.
H. White.
- M. *LONGIFOLIA*—Huds., 1762. Horse Mint.
Infrequent. Waste places. Shore of Oneida Lake, 1906.
- M. *ALOPECUROIDES*—Hull, 1799. (*Mentha sylvestris* var. *alopecuroides*—Baker.) Woolly Mint.
Rare. Onon. Hill, 1908.
- M. *ARVENSIS*—Lin., 1753. Corn Mint. Field Mint.
Occasional. Very variable. Scattered. Onon. Hill, Aug., 1908.
- M. *GENTILIS*—Lin., 1753. Creeping, Whorled Mint.
Infrequent. Along ditches, etc. Aug., 1910.
- M. *SATIVA*—Lin., 1753. Marsh Whorled Mint.
Occasional. A confusing resemblance to *M. arvensis*.
Very variable. Waste places. Marcellus Falls.

- M. CANADENSIS—Lin., 1753. American Wild Mint.
Frequent. Roadsides and fields. Variable. To one variety, Gray gives the varietal name, "glabrata." Smoother and different odor. Both found in same place. Belle Isle, Aug., 1905.

COLINSONIA—Lin., 1753.

- C. CANADENSIS—Lin., 1753. Horse Balm. Stone Root. Occasional. Rich woods. Lemon scented. Brittain Woods, July, 1907.

SOLANACEÆ—Pers, 1805—Potato Fam.

PHYSALIS—Lin., 1753.

- P. PUBESCENS—Lin., 1753. Low, Hairy, Ground Cherry. Rare. Probably escaped. Opening, South Onondaga, July, 1899.

SOLANUM—Lin., 1753.

- S. NIGRUM—Lin., 1753. Black Nightshade. Very rare. Found in an isolated spot at White Lake. Two specimens. July, 1895. Only ones reported.
- S. CAROLINENSE—Lin., 1753. Horse Nettle. Occasional. Sandy grounds. Sand Hill, summer, 1885.
- S. DULCAMARA—Lin., 1753. Nightshade. "Bittersweet." Frequent. Moist banks. Banks by the Salt Mill, 1st. Ward.

LYCIUM—Lin., 1753.

- L. VULGARE—Dunal, 1852. Matrimony Vine. Common. Waste places and about old dwellings. Escaped. Salina Marsh, summer, 1905.

HYOSCYAMUS—Lin., 1753.

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

DATURA—Lin., 1753.

- D. STRAMONIUM—Lin. Jamestown Weed. Rare. Escaped to roadside. Liverpool, Aug., 1898.

- 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.

- N. RUSTICA—Lin., 1753. Wild Tobacco.
Rare. Waste places. Indian Res. Baldwinsville, summer, 1896. Rev. Beauchamp.

SCROPHULARIACEÆ—Lindl, 1826—Figwort Fam.

VERBASCUM—Lin., 1753.

- V. THAPSUS—Lin., 1753. Velvet Dock. Mullen.
Common. Everywhere. Valued weed for its medicinal qualities. Goodrich Barnyard, summer.
- V. LYCHNITIS—Lin., 1753. White Mullen.
Occasional. Yellow. Rarely white. Kinney Farm, Jamesville, summer.
- V. BLATTARIA—Lin., 1753. Moth Mullen.
Frequent. Fields and waste, stony places. Same range as *V. thapsus*.

CYMBALARIA—Medic., 1791.

- C. CYMBALARIA—Wettst. Kenilworth, or Colisseum Ivy.
Rare. Roadsides. Escaped. Bank of Onon. Creek, July, 1909.

LINARIA—Juss., 1789.

- L. LINARIA. (*Karst Deutsch Flo., 1880.*) Ramstead.
Butter and Eggs.
Common. Roadsides and waste places. Rose Settlement.

ANTIRRHINUM—Lin.

- A. MAJUS—Lin., 1753. Large Snapdragon.
Not common. Escaped from gardens. Danforth, Ang., 1898.

SCROPHULARIA.

- S. MARYLANDICA—Lin., 1753. (*Scrophularia* var. *Marylandica*—Gray, 1818.) Maryland Figwort.
Not common. Damp grounds. Indian Res., July, 1898.

CHELONE—Lin., 1753.

- C. GLABRA—Lin., 1753. Snake Head. Turtle Head.
Frequent. Swamps and along streams. Long Branch,
July, 1910.

PENTSTEMON.

- P. HIRSUTUS — Wild. (*Pentstemon pubescens* — Soland, 1789.) Hairy Beard-tongue.
Rare. Rich woods. Fayetteville Woods, June, 1910.
- P. DIGITALIS—Nutt., 1837. (*Pentstemon laevigatus* var. *digitalis*—A. Gray, 1878.) Foxglove. Beard-tongue.
Rare. Roadside to Skaneateles Lake. Few specimens.
July 6, 1910. Mrs. Bump.
- P. PENTSTEMON—Britt. (*Mem. Torr. Club, 1894.*) (*Pentstemon laevigatus*—Soland, 1789.) Smooth Beard-Tongue.
Rare. In Oakwood, June 25, 1900. Mrs. H. N. White.
- P. ANGUSTIFOLIUS—Pursh, 1814. Pale Blue Beard-tongue.
Very rare. One small cluster only. Round Top, May, 1890.

MIMULUS—Lin., 1753.

- M. RINGENS—Lin., 1753. Square-stemmed Monkey Flower.
Common. Swamps and along streams. South Onondaga.
- M. ALATUS—Soland., 1789. Sharp-winged Monkey Flower.
Frequent. Swamp near Maple Bay, July, 1905.

GRATIOLA—Lin., 1753.

- G. VIRGINIANA—Lin., 1753. Clammy Hedge-hyssop.
Occasional. Wet, muddy places. East from Orville and Jamesville Road, summer, 1899.

VERONICA—Lin., 1753.

- V. ANAGALIS AQUATICA—Lin., 1753. Water Speedwell, or Pimpernel.
Frequent. Brooks, etc. Ditch between Onon. Lake and Fair Grounds, July, 1907.
- V. AMERICANA—Schwein., 1846. American Brookline.
Common. Brooks, etc. South Onondaga, summer, 1889.
- V. SCUTELLATA—Lin., 1753.** Marsh, or Skullcap Speedwell.
Common. Wet swamps and bogs. Tamerac Swamp, summer, 1895.
- V. OFFICINALIS—Lin., 1753. Com. Speedwell, or Fluellin.
Common. Dry woods, pastures and roadsides. Roadside, 1910.
- V. CHAMAEDRYS—Lin., 1753. Germander Speedwell.
Localized. On Dump Grounds south from Syracuse in profusion, July, 1910. Also Onon. Hill, July, 1910.
- V. SERPYLLIFOLIA—Lin., 1753. Thyme-leaved Speedwell.
Common. Fields and roadsides. Near Cicero Swamp, June, 1892.
- V. PEREGRINA—Lin., 1753. Neckweed.
Frequent. Moist places. Near Otisco Lake, summer, 1899.
- V. ARVENSIS—Lin., 1753. Com. Speedwell.
Common. Cultivated grounds and sandy fields. Baldwinsville, summer, 1905.
- V. BYZANTINA—B. S. P. (*Prel. Cat. N. Y., 1888.*) (*V. Buxbaumii—Jenore, 1811.*) Byzantine Speedwell.
Waste places. Not frequent. Mr. Calthrop's, May 22, 1893.
- V. HEDERAEFOLIA—Lin., 1753. Ivy-leaved Speedwell.
Rare. On dump grounds, June, 1910. B. Douglass.
- LEPTANDRA—Nutt., 1818.
- L. VIRGINICA—Lin., 1753. (*Veronica Virginica.*) Culver's Root. Culver's Physic.
Infrequent. Rich woods. Marcellus Falls, June, 1899.
- DASYSTOMA—Raf., 1819.
- D. PEDICULARIS—Benth. (*In D. C. prodr., 10:521—1846.*) (*Gerardia pedicularis.*) Foxglove.
Rare. Dry woods and fields. Oakwood, Aug., 1898.

- D. FLAVA—Wood. (*Bot. and Flo., 1773.*) (*Gerardia flava* Lin., 1753.) Downy Foxglove.
Rare. Dry, open woods. Above Rockwell Springs, Aug. 2, 1902.
- D. VIRGINICA—Britton. (*Mem. Torr. Club, 1894.*) (*Gerardia quercifolia*—Pursh., 1814.) Smooth Foxglove.
Rare. With pedicularis. Dry woods. Oakwood, Aug., 1898.

DIGITALIS.

- D. PURPUREA—Lin., 1753. Purple Foxglove.
Rare. Rich woods. Oakwood, June, 1890. Mrs. H. H. White.

GERARDIA—Lin., 1753.

- G. PURPUREA—Lin., 1753. Large Purple Gerardia.
Rare. Low, moist places. Variable. Shore Oneida Lake, Aug., 1898.
- G. MARITIMA—Raf., 1808. Seaside Gerardia.
Rare. Salt Marsh, north from Salt Mill, 1st Ward, July, 1908.
- G. TENUIFOLIA—Vahl, 1794. Slender Gerardia.
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.
Frequent. Swampy places. Kirkville Woods, Aug., 1910.
- P. CANADENSIS—Lin., 1753. Wood Betony. Lousewort.
Common. Banks, woods and river banks. Long Branch, May, 1910.

MELAMPYRUM—Lin.

- M. LINEARE—Lam., 1797. (*Melampyrum Americanum*—*Michx*, 1803.) Narrow-leaved Cow Wheat. Occasional. Dry woods and thickets. Otisco, June, 1905.

LENTIBULACEÆ—Lindl, 1847—Bladderwort Fam.

UTRICULARIA.

- U. CORNUTA—Michx, 1803. Horned Bladderwort. Not common. Partly submerged. Leaves frequently wanting. Long Pond, 1895. Lake. Little York, Aug. 1899.
- U. INFLATA—Walt., 1788. Swollen Bladderwort. Infrequent. Ponds and ditches. Ditch, Smith & Powell Farm, near Onondaga Lake, July, 1906.
- U. VULGARIS—Lin., 1753. Greater Bladderwort. Popweed. Common. Shallow ponds and slow streams. Tully, Aug., 1899.
- U. MINOR—Lin., 1753. Lesser Bladderwort. Frequent. Shallow ponds and bogs. Near House of Providence and Cicero Swamp.

OROBANCHACEÆ—Lindl, 1836.

THALESIA—Raf., 1818.

(*APHYLLON*—A. Gray, 1848.)

- T. UNIFLORA—Brit. (*Mem. Torr. Club*, 1894.) (*Aphyllon uniflorum*.) (*T. & G., Gray Man.*, 1848.) Naked Broomrape. Infrequent. Woods and thickets. Otisco, May, 1897.

CONOPHOLIS—Wallr., 1825.

- C. AMERICANA—Wallr., 1825. Squaw-root. Occasional. Widely distributed. Woods. Base of trees. Otisco, June, 1886.

LEPTAMNIUM—Raf., 1818.

(EPIPHEGUS—Nutt., 1818.)

- L. VIRGINIANUM—Raf., 1878. (*Epiphegus Virginiana—Bart, 1818.*) Beechdrops.
Common in beech woods. Parasitic on beech tree roots.
Collins' Woods, Fayetteville, Aug., 1908.

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.
Common. Open woods and thickets. Marcellus, July,
1908.

PLANTAGINACEÆ—Lindl, 1836—Plantain Fam.

PLANTAGO—Lin., 1753.

- P. MAJOR—Lin., 1753. Common, or Greater Plantain.
Common. Roadsides and around dwellings. Dooryard,
summer, 1910.
- P. RUGELII—D. C., 1852. Rugel's Plantain.
Most common species of Plantain we find. Fields, road-
sides and waste places. Summer, 1910.
- P. LANCEOLATA—Lin., 1753. Rib Grass.
Very common. Roadsides, fields, dooryards. Summer,
1910.
- P. MEDIA—Lin., 1753. Hoary Plantain.
Frequent. Waste places, rocky hills. Jamesville, sum-
mer, 1910.
- P. DECIPIENS—Barnecond. Marine Plantain.
Rare. Biennial. Salt lands, 1890; now covered with
Solvay refuse.

- P. ERIOPODA—Torr., 1827. Saline Plantain.
Frequent. Salt Marsh, near Iron Pier, summer, 1908.
- P. CORDATA—Lam., 1791. Heart-leaved Plantain.
Frequent in mud, Long Branch. Seneca River, July,
1908.
- P. MARITIMA—Lin., 1753. Sea Plantain.
Occasional. Onon. Lake shore, near Liverpool, Aug.,
1900.
- P. VIRGINICA—Lin., 1753. White Dwarf Plantain.
Occasional. Lake shore, between M. Bay and L. Branch,
May, 1899.

RUBIACEÆ—B. Juss, 1759—Madder Fam.

HOUSTONIA—Lin., 1753.

- H. COERULEA—Lin., 1753. Bluets. Innocence.
Very rare. Only specimens reported. Roadside,
Phoenix Road, summer, 1895.

CEPHALANTHUS—Lin., 1753.

- C. OCCIDENTALIS—Lin., 1753. Button-bush. Globe-flower.
Frequent. Swamps. Borders of streams. Seneca
River, July, 1908.

MITCHELLA—Lin., 1753.

- M. REPENS—Lin., 1753. Partridge-berry. Twin-berry.
Common. Rich woods everywhere. Clay Station, 1907.

GALIUM—Lin., 1753.

- G. VERUM—Lin., 1753. Yellow Bedstraw.
Very rare. Only reported species on Chas. M. Crouse's
lot, summers 1906-7-8. Margaret Crouse.
- G. MOLLUGO—Lin., 1753. Wild Madder. Hedge Bedstraw.
Frequent. Waste places. Railroad Track, E. Syracuse,
summer, 1908.
- G. APARINE—Lin., 1753. Cleavers. Goose-grass.
Frequent. Damp and dry openings. North Syracuse,
summer, 1907.

- G. PILOSUM—Ait., 1789. Hairy Bedstraw.
Occasional. Dry, open fields. Skaneateles, July, 1898.
- G. LANCEOLATUM—Torr., 1824. Torrey's Wild Liquorice.
Frequent. Woods, ravines, etc. Goodrich wild garden,
summer, 1907.
- G. CIRCAEZANS — Michx, 1803. Wild Liquorice. Cross
Cleavers.
Frequent. Same range as lanceolatum. Marcellus
July, 1902.
- G. KAMTSCHATICUM—Steller, 1827. Northern Wild Lique-
rice.
Frequent. Habits and habitat same as former. Mar-
cellus, 1908.
- G. BOREALE—Lin., 1753. Northern Bedstraw.
Common. Banks of streams and sandy places. James-
ville Road, 1897.
- G. TRIFLORUM—Michx, 1803. Sweet-scented Bedstraw.
Occasional. Woods, etc. Goodrich wild flower garden,
June, 1910.
- G. TRIFIDUM—Lin., 1753. Small Bedstraw.
Rare. Cold bogs. Cicero Swamp, summer, 1899.
- G. ASPRELLUM—Michx, 1803. Rough Bedstraw.
Frequent. Swamps, etc. Eddon Swamp, Centerville,
July, 1898.

CAPRIFOLIACEÆ, Vent, 1799—Honeysuckle Fam.

SAMBUCUS—Lin., 1753.

- S. CANADENSIS—Lin., 1753. American, or Sweet Elder.
Common. Roadsides, fences, fields, etc. Bank Onon.
Creek, June, 1910.
- S. PUBENS—Michx, 1803. Red Elder. Poison Elder.
Common. Swampy grounds. Rock Cut Swamp, May,
1899.

VIBURNUM—Lin., 1753.

- V. ALNIFOLIUM—Marsh, 1785. (*Virburnum lantanoides*
—Michx, 1803.) Hobble Bush.
Frequent. High lands. Otisco, June, 1889.

- V. *OPULUS*—Lin., 1753. High Bush Cranberry.
Rare. Origin of Snowball. Low grounds and swamps.
Centerville, June, 1889.
- V. *ACERIFOLIUM*—Lin., 1753. Arrowwood. Maple-leaved
Viburnum.
Occasional. Dry, hilly woods and river banks. Kirk-
ville Woods, June, 1908.
- V. *PUBESCENS*—Pursh, 1814. Downy-leaved Arrowwood.
Frequent. Rocky woods and ravines. Jamesville
Woods, June, 1907.
- V. *DENTATUM*—Lin., 1753. Arrowwood.
Frequent. Wet places and swamps. Centerville, June,
1909.
- V. *CASSINOIDES*—Lin., 1753. White Rod.
Occasional. Swamps and wet soil. Centerville, June,
1909.
- V. *NUDUM*—Lin., 1752. Larger White Rod.
Rare. Swamps. Similarity to *cassinoides*, striking
enough to easily consider them one. Centerville, June,
1909.
- V. *LENTAGO*—Lin., 1753. Sweet *Viburnum*.
Frequent. Rich woods. Marcellus Falls, May, 1907.

TRIOSTEUM.

- T. *PERFOLIATUM*—Lin., 1753. Feverwort. Horse Gentian.
Occasional. Rich woods. Otisco, Fabius, June, 1898.

LINNAEA—Lin., 1753.

- L. *BOREALIS*—Lin., 1753. Twin-flower. Ground Vine.
Frequent. Cold, mossy, moist ground. Near Beaver
Lake, July, 1899.

SYMPHORICARPOS—Juss, 1789.

- S. *RACEMOSUS*—Michx, 1803. Snowberry. Waxberry.
Localized at Green Lake. Jamesville, June, 1907.
- S. *OCCIDENTALIS*—Hook, 1833. Wolfberry.
Rare. Rocky ground. Hillside, Peppermill Gorge,
June, 1905.

- S. SYMPHORICARPOS — Mac M. (*Bull Torr Club, 1892.*)
 (*Symphoricarpos vulgaris* — Michx, 1803.) Coral-
 berry. 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. HIRSUTA—Eaton, 1818. Hairy Honeysuckle.
 Occasional. Damp, shady places. Orville Woods, July,
 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.
- L. OBLONGIFOLIA—Hook, 1833. Swamp Fly Honeysuckle.
 Frequent. Wet grounds. Tamerac Swamp, June, 1895.
- L. CILIATA—Muhl, 1813. Fly Honeysuckle.
 Frequent. Ravines and damp woods. Howlett Gorge,
 May, 1895.
- L. GLAUCA—Hill, 1769. Smooth Honeysuckle.
 Frequent. Wet, swampy grounds. Riegal Swamp, May,
 1899.

DIERVILLA—Mac M., 1892.

- D. DIERVILLA—Mac M. (*Bull. Torr. Club.*) (*Diervilla*
trifida—Moench., 1794.) Bush Honeysuckle.
 Frequent. Dry or rocky woodlands. Jamesville Road,
 June, 1898.

VALERIANACEA—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
Common. Roadsides, old fields, everywhere. Onon. Hill and Otisco Lake, July, 1901.
- 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.

(ECHINO CYSTILIS—T. & G., 1840.)

- M. LOBATA—Greene. (*Pittonia*, 2-128, 1890.) (*Sicyos lobata*—Michx, 1803.) (*Echynocistis lobata*—T. & G., 1840.) Wild Balsom Apple.
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.

- C. ROTUNDIFOLIA—Lin., 1753. Hare-bell. Blue Bells of Scotland.
Frequent. Lime rocks and in meadows. Jamesville, summer, 1899.

- C. **RAPUNCULOIDES**—Lin., 1753. European Bell-flower. Frequent. Escaped. Roadside, etc. Goodrich wild garden.
- C. **APARINOIDES**—Pursh, 1814. Bedstraw. Bellflower. Infrequent. Wet, grassy grounds. Skaneateles, July.
- C. **AMERICANA**—Lin., 1753. Tall Bellflower. Rare. Moist grounds. Vicinity of Kirkville, Green Lake, July, 1905.

LEGOUZIA—Durand, 1782.

(*SPECULARIA*—Heist., 1830.)

- L. **PERFOLIATA** — Britton. (*Mem. Torr. Club, 1894.*)
(*Specularia perfoliata*—A. D. C., 1830.) .Venus
Looking Glass.
Rare. Dry woods, etc. Otisco. Bangor, June 25, 1890.

LOBELIA—Lin., 1753.

- L. **CARDINALIS**—Lin., 1753. Cardinal Flower. Common. Moist soil. Long Branch, Aug., 1908. Several white specimens were found in Tully, Aug., 1910.
- L. **SYPHLITICA**—Lin., 1753. Great Lobelia. Common in swampy places. East Syracuse, Aug., 1899.
- L. **SPICATA**—Lam., 1789. Pale Spiked Lobelia. Rare. Meadows, sandy soil. Clay, June, 1896.
- L. **INFLATA**—Lin., 1753. Indian Tobacco. Wild Tobacco. Frequent. Meadows and pastures, etc. Fabius, July.
- L. **KALMI**—Lin., 1753. Kalm's Lobelia. Occasional. Ditches, moist meadows. Smith Farm, July, 1899.

CICHORIACEÆ—Reichenb, 1831—Chickory Fam.

CICHORIUM—Lin., 1753.

- C. **INTIBUS**—Lin., 1753. Chickory. Blue Sailors. Frequent. Roadsides. Court St., Syracuse, Aug., 1909.

ADOPOGON—Neck., 1790.

(KRIGIA—Schaeb., 1791.)

- A. CAROLINIANUM — Brit. (*Mem. Torr. Club, 1894.*)
(Krigia Virginica—Willd., 1894.) Carolina Dwarf
 Dandelion.
 Rare. South Bay, July, 1885.

LEONTODON—Lin., 1753.

- L. AUTUMNALE—Lin., 1753. Fall Dandelion.
 Infrequent. Roadsides and meadows. Near Skaneateles
 Lake, summer, 1899.
- L. NUDICAULIS—Porter. (*Mem. Torr. Club, 1894.*) Hairy
 Hawkbit.
 Rare. Waste places, dump grounds. Salina, summer,
 1905.

TRAGOPOGON—Lin., 1753.

- T. PRATENSIS — Lin., 1753. Meadow Salsify. Yellow
 Goat's-beard.
 Infrequent. Fields, etc. Vacant lot, east from city,
 summer, 1909.
- T. PORIFOLIUS—Lin., 1753. Purple Goat's-beard. Oyster
 Plant. Salsify.
 Frequent. Fields, roadsides, etc. Court Street, First
 Ward, Syracuse.

TARAXICUM—Hall, 1768.

- T. TARAXICUM—Karst. (*Deutsch. Fl., 1138.*) (*Taraxicum
 Dens Conis.—Desf., 1800.*) (*Taraxicum officinale—
 Weber.*) Dandelion.
 Very common. Everywhere. Roadside, summer.
- T. ERYTHROSPERMUM—Andrz., 1821. Red-seeded Dande-
 lion.
 Frequent. Confounded with the former, with which it
 is found. Habits the same. Summer, 1910.

SONCHUS—Lin., 1753.

- S. ARVENSIS—Lin., 1753. Corn Sow Thistle.
 Frequent. Roadside in moist gutters. Salt Marsh,
 July, 1906.

- S. OLERACEUS—Lin., 1753. Sow Thistle. Hare's Lettuce. Common. Roadsides and everywhere. Oakwood, summer, 1905.
- S. ASPER—All., 1785. Spiny-leaved Sow Thistle. Common in all cultivated grounds. Salina, 1905.

LACTUCA—Lin., 1753.

- L. CANADENSIS—Lin. Wild Lettuce. Wild Opium. Common. Woods. Borders of fields. Oakwood, July, 1905.
- L. HIRSUTA—Muhl., 1813. Hairy, or Red Wood Lettuce. Frequent. Roadsides and fields. Jamesville Road, 1817.
- L. SAGITTIFOLIA — Ell. (*Bot., S. C. & Ga., 1821-24.*) (*Lactuca integrifolia—Bigel, 1824.*) Arrow-leaved Lettuce. Frequent. Dry, open fields. Rocky lot, Kinney Farm, Aug., 1899.
- L. PULCHELLA—D. C., 1838. Large-flowered Blue Lettuce. Infrequent. Moist soil. Marcellus Falls, July, 1899.
- L. VILLOSA—Jacq., 1798. (*Lactuca acuminata—A. Gray, 1883.*) Hair-veined Blue Lettuce. Frequent. Thickets, etc. Near Otisco Lake, July, 1907.
- L. SPICATA—Hitchcock, 1780. (*Lactuca leucophaea—A. Gray, 1888.*) Tall, Blue Lettuce. Common. Borders of woods and low grounds. Oakwood, Aug., 1899.

CREPIS—Lin., 1753.

- C. VIRENS—Lin., 1753. Smooth Hawksbeard. Rare. Old neglected grounds. Willow St., Syracuse, Aug., 1907.
- C. TECTORUM—Lin., 1753. Narrow-leaved Hawksbeard. Rare. Old neglected school lot, Rose Hill, July, 1908.

HIERACIUM—Lin., 1753.

- H. VULGATUM—Fries, 1817. Hawkweed. Rare. Woods east from Syracuse, Aug., 1909.

- H. AURANTIACUM—Lin., 1753. Orange-colored Hawkweed, or Devil's Paint Brush.
Frequent. Is becoming a nuisance to farmers because of its spreading so rapidly. James St. Hill, Syracuse, Aug. Mrs. H. N. White.
- H. PRAEALTUM—Vill., 1789. King Devil.
Common. Troublesome weed. Wet or dry soil. Oakwood, July, 1890.
- H. PRATENSE—Tausch, 1828. Field Hawkweed.
Not common. Selkirk. Salina, Aug., 1909. M. Hill.
- H. VENOSUM—Lin., 1753. Rattlesnake Weed. Poor Robin's Plantain.
Frequent. Dry woods and thickets. Otisco Hill, summer, 1899.
- H. MARIANUM—Willd, 1804. Maryland Hawkweed.
Not frequent. Hill tops. Opposite Penitentiary, June, 1903.
- H. CANADENSE—Michx, 1803. Canada Hawkweed.
Frequent. Dry, rocky woods. Marcellus Road, July, 1906.
- H. PANICULATUM—Lin., 1753. Panicked Hawkweed.
Frequent. Dry, open woods. Otisco. Cardiff, Aug., 1906.
- H. SCABRUM—Michx, 1803. Rough Hawkweed.
Common. Dry, open woods and clearings. Belle Isle, July, 1905.
- H. GRONOVII—Lin., 1753. Gronovius Hawkweed.
Frequent. Dry, sterile places. South Onon., "Hogback," 1896.
- NABALUS—Cass, 1825.
- N. ALTISSIMUS—Hook. (*Fl. Bor. Am., 1833.*) (*Prenanthes altissima—Lin., 1753.*) Tall White Lettuce.
Frequent. Roadsides, clearings, etc. Jamesville Road, Sept., 1905.
- N. ALBUS—Hook. (*Prenanthes alba—Lin.*) Rattlesnake Root. White Lettuce. Lion's Foot.
Frequent. Borders of rich woods, etc. Douglass Bank of Creek, Sept., 1910.

- N. SERPENTARIUS—Hook. Gall of the Earth, or Lion's Foot. Frequent. Dry, sandy soil. Primrose Hill, Aug., 1908.
- N. NANUS—D. C., 1838. (*Prenanthes serpentaria* var. *nana*—A. Gray, 1884.) Low Rattlesnake Root, or Lion's Foot. Infrequent. High Hills. Pompey Hill, Aug., 1909.

AMBROSIACEÆ—Reichenb, 1828—Ragweed Fam.

AMBROSIA.

- A. TRIFIDA—Lin., 1753. Great Ragweed. Bitter Weed. Frequent. Along bank of Onon. Creek and near Lake, Onon. In abandoned dump grounds. East of City, Sept., 1908.
- A. ARTEMISIAEFOLIA—Lin., 1753. Roman Wormwood. Ragweed. Too frequent. Becomes a pernicious weed in cultivated fields, especially potato fields. Fayetteville, July, 1908.

XANTHIUM—Lin., 1753.

- X. STRUMARIUM—Lin., 1753. Broad Cocklebur, or Burweed. Frequent. On farms. Barnyard, Skaneateles, Sept., 1906.
- X. CANADENSE—Mill., 1768. American Cocklebur. Common. Banks of streams and elsewhere. Goodrich Barnyard, Aug., 1910.

COMPOSITEÆ—Adams, 1763—Thistle Fam.

VERNONIA—Schreb.

- V. NOVEBORACENSIS—Willd, 1804. New York Iron Weed. Rare. Moist soil. Smith & Powell Farm, Tully Road, Aug., 1907.

EUPATORIUM—Cass, 1816.

- E. PURPUREUM—Lin., 1753. Purple Boneset. Trumpet Weed. Common. Low grounds. Valley Road and Ind. Reservation, Aug., 1909.

- E. *SESSILIFOLIUM*—Lin., 1753. Upland Boneset.
Frequent. Not common. Leaves sessile. H. Worker's
Farm, Aug., 1910.
- E. *PÉRFOLIATUM* — Lin., 1753. Common Thoroughwort,
Boneset, and Indian Sage.
Common. Leaves perfoliate. Low grounds. Phoenix
Road, Aug., 1909.
- E. *AGERATOIDES*—Lin., 1753. White Snakeroot. Deer-
wort. Boneset.
Frequent. Same range as *perfoliatum*. Otisco, Aug.,
1889.

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.
- L. *SPICATA* — Kuntze. (*Liatris spicata* — Willd, 1804.)
Dense Button Snakeroot. Devil's Bit.
Rare. Moist soil. Valley Road and Smith & Powell
Farm, Aug., 1898, 1907.

SOLIDAGA—Lin., 1753.

- S. *SQUARROSA*—Muhl., 1813. Stout, Ragged Goldenrod.
Common. Rocky soil and along streams. Peppermill
Gorge, Aug., 1907.
- S. *CAESIA*—Lin., 1753. Blue stemmed Goldenrod.
Frequent. Range with *S. squarrosa*. P. Gorge, S. Onon.
- S. *FLEXICAULIS*—Lin., 1753. (*Solidaga latifolia*—Lin.) (*In*
A. Gray, 6th Ed.) Zig-zag Goldenrod.
Common. Shaded banks and along streams. Mont.
Gorge, Aug., 1908.
- S. *BICOLOR*—Lin., 1753. White Goldenrod.
Common. Rich woods. Calthrop Woods, Aug., 1895.
- S. *HISPIDA*—Muhl., 1804. (*Solidaga bicolor* var. *concolor*
—*T. & G., 1841.*). Hairy Goldenrod. Cream-colored
Ivy.

- Frequent. Dry fields and woods. Primrose Hill, Sept., 1909.
- S. MACROPHYLLA—Pursh., 1814. Large-leaved Goldenrod. Frequent. Rocky woods. Hill above Rockwell Springs, Aug., 1899.
- S. STRICTA—Ait., 1789. Wand-like, or Willow-leaf Goldenrod. Frequent. Sandy soil. Centerville, Sept., 1900.
- S. SEMPERVIRENS—Lin., 1753. Seaside Goldenrod. Plentiful in one locality. Salt Marsh, near mill, Aug., 1909.
- S. ODORA—Ait., 1789. Anise-scented Goldenrod, or Blue Mountain Tea. Occasional. Dry soil. Noted for anise fragrance in its crushed leaves. Montfredy's, Aug., 1908.
- S. RUGOSA—Mill., 1768. (*Solidago altissima*—Ait., 1789.) Wrinkle-leaved Goldenrod. Very common and perplexingly variable. Dry places usually. Aug., 31, 1905.
- S. PATULA—Muhl., 1804. Spreading Goldenrod. Common. Swampy grounds. Valley Road, Sept., 1908.
- S. NEGLECTA—T. & G., 1841. Swamp Goldenrod. Common. Swamps. Varies. Tamerac, Sept., 1909.
- S. JUNCEA—Ait., 1789. Sharp-toothed Goldenrod. Frequent. Dry fields and banks of streams. One of our earliest Goldenrods. Goodrich Garden, July, 1907.
- S. ARGUTA—Ait., 1789. (*Solidago Muhlenbergii*—T. & G., 1841.) Deeply-serrate-leaved Goldenrod. Frequent. Rich woods. Roadsides, etc. Near St. Agnes Cemetery, July, 1905.
- S. SEROTINA—Ait., 1789. (*Solidago gigantea*—Willd., 1804.) Late Goldenrod. Frequent. Woods and copses. Roadside, Elmwood, Sept., 1905.
- S. CANADENSIS—Lin., 1753. Canada Goldenrod. Very common. Variable. Everywhere. S. Salina St., Oct., 1899.

- S. NEMORALIS—Ait., 1789. Gray Goldenrod, or Dyer's Weed.
Very common. Fields. Fence sides. Flowers used for coloring yellow. Meadow border, Onon. Hill, Sept., 1908.
- S. RIGIDA—Lin., 1753. Stiff Goldenrod.
Common. Dry soil. Roadside, Onon. Valley.
- S. OHIOENSIS—Riddell, 1835. Ohio Goldenrod.
Infrequent. Moist soil. Meadow, Onon. Hill, Sept., 1910.

EUTHAMIA—Nutt., 1818.

- E. GRAMINIFOLIA — Nutt., 1818. (*Solidago lanceolata*.)
Fragrant Goldenrod.
Frequent. Usually moist soil. Our specimens before me. Calthrop Hill, Sept., 1898.
- E. CAROLINIANA—Greene, Mem. Torr. Club, 1894. (*Solidago tenuifolia*.) Slender, Fragrant Goldenrod.
Common. Sandy fields. Centerville, Sept., 1905.

SERICOCARPUS—Nees, 1833.

- S. LINIFOLIUS—B. S. P. Narrow-leaved, White-topped Aster.
Frequent. Goodrich Barnyard, S. B. C., Aug., 1907.
- S. ASTEROIDES—B. S. P. (*Prel. Cat. N. Y., 1888.*) Toothed White-topped Aster.
Frequent. Dry grounds. Otisco, July, 1895.

ASTER—Lin., 1753.

- A. DIVARICATUS—Lin., 1753. (*Aster corymbosus*—Ait., 1789.) White Wood Aster.
Common. Woodlands, etc. Elmwood, Sept. 10, 1910.
- 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. Bernhardt's Aster.
Infrequent. Swamps and ravines. Marcellus Junction, Aug., 1910.

- A. CLAYTONI—"Burgess." (*Brit.*) Clayton's Aster.
Frequent. Rocky places. Jamesville Road, Oct., 1910.
- A. CURVESCENS—"Burgess." (*Brit.*) Dome-topped Aster.
Frequent. Moist, shady places. Goodrich wild flower garden, Sept., 1910.
- A. MACROPHYLLUS—Lin., 1753. Large-leaved Aster.
Common. Hilltops, etc. Otisco Hill, 1899.
- A. IANTHINUS—"Burgess." (*Brit.*) Violet Wood Aster.
Frequent. Shady banks. Banks Onon. Creek, Aug., 1910.
- 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. CORDIFOLIUS—Lin., 1753. Blue Wood Aster.
Very common. Woodlands, etc. Variable. Goodrich Barnyard, 1910.
- A. LINDLEYANUS—T. & G. (*Fl. N. A.*) 1841. Lindley's Aster.
Frequent. Clearings. Onon. Reservation, Sept., 1908.
- A. DRUMMONDII—Lindl. Drummond's Aster.
Not common. Somewhat difficult, as it passes into *A. sagittifolius* through varying phases. Onon. Valley, Sept., 1909.
- A. SAGITTIFOLIUS—Willd., 1804. Arrow-leaved Aster.
Frequent. Dry grounds. Solvay, 1908.
- A. UNDULATUS—Lin., 1753. Wavy-leaved Aster.
Common. Woods, etc. Disk flowers frequently found ligulate. Goodrich Yard, Sept., 1910.
- A. PATENS—Ait., 1789. Late Purple Aster.
Common. Dry places. Flowers vary in shade from delicate lavender to deep purple. Otisco, Sept., 1908.
- A. PHLOGIFOLIUS—Muhl., 804. (*A. patens* var. *phlogifolius* —Nees, 1832.) Thin-leaved Purple Aster.
Range with *A. patens* and very similar. Cardif, Sept., 1908.

- A. *NOVAE ANGLIAE*—Lin., 1753. New England Aster.
Common. Moist grounds. Most attractive of the wild
asters. Rays usually bright purple, var. rose purple,
and rarely bright red. Jamesville Road, Aug., 1895.
- A. *AMETHYSTINUS*—Nutt., 1849. Amethyst Aster.
Occasional. Moist soil. Rays attractive blue. Long
Branch, Sept., 1909.
- A. *PUNICEUS*—Lin., 1753. Purple-stemmed Aster.
Common. Swamps, etc. Rays light purple, sometimes
pink and intermediate. Solvay, Sept., 1908.
- A. *PUNICEUS* VAR. *LAEVICAULIS*—A. Gray, 1884. Serrate
Aster.
Frequent with puniceus. Has smooth stem and serrate
leaves.
- A. *TARDIFLORUS*—Lin., 1753. Northeastern Aster.
Frequent. Along banks of streams. Rays pale violet.
Bank Onon. Creek, Sept., 1910.
- A. *PRENANTHOIDES*—Muhl., 1804. Crooked-stemmed Aster.
Occasional. Moist places. Rays violet. Solvay, Sept.,
1909.
- A. *LAEVIS*—Lin., 1753. Smooth Aster.
Abundant and variable. Rays blue. Admired species.
Goodrich yard, Sept., 1899.
- A. *JUNCEUS*—Ait., 1789. Rush Aster.
Frequent. Sphagnum swamps. Rays light purple.
Cicero Swamp, Aug., 1908.
- A. *NOVI BELGII*—Lin., 1753. (*Aster longifolius*—A. Gray,
1867.) New York Aster.
Common. Late and very variable. Rays blue-violet.
Everywhere. Aug., Oct.
- A. *NOVI BELGII* VAR. *LITTORIUS*—A. Gray. Saline Aster.
Abundant in Salt Marsh, First Ward, Syracuse. Sept.,
1908.
- A. *LONGIFOLIUS*—Lam., 1783. Long-leaved Aster.
Frequent. Low grounds. Liverpool, summer, 1907.
- A. *SPECTABILIS*—Ait., 1789. Seaside Purple Aster.
Rare. Small quantities on Salt Marsh. Attractive.
Rays bright violet. First Ward, Syracuse, Sept., 1908.

- A. ACUMINATUS—Michx, 1803.
Occasional. Cleared lands, etc. Kinney Lot, Jamesville, Sept., 1909.
- A. PTARMOICOIDES—T. & G. Upland Aster.
Frequent. Hills. Rays white. Indian Hill, 1895.
- A. DUMOSUS—Lin., 1753. Bushy Aster.
Common. Somewhat difficult, passing into many peculiar variations. Goodrich Garden, Sept., 1910.
- A. SALICIFOLIUS—Lam., 1783. (*Aster carneus*—T. & G., 1841.) Willow Aster.
Common. Low grounds. Rays violet, sometimes white. Goodrich Wild Flower Garden, Aug., 1910.
- A. PANICULATUS—Lam., 1783. Tall, Panicked Aster.
Common. Very various. Approaches *A. salicifolius*. Range the same. Rays white or purple. Foot of Round Top, Sept., 1909.
- A. TRADESCANTI—Lin., 1753. Tradescant's Aster.
Frequent. Low grounds. Rays white and purple. Tamerac Swamp, Sept., 1910.
- A. ERICOIDES—Lin., 1753. White Heath Aster.
Frequent. Old cultivated grounds. Late May until frost. Sometimes called Frost Weed. Douglas grounds, Castle St., Oct., 1910.
- A. PRINGLEI—Britton. (*Aster ericoides* var. *Pringlei*—A. Gray, 1884.) Pringle's Aster.
Frequent. Rocky banks. Hopper's Glen, Sept., 1809.
- A. LATTERIFLORUS—Britton. (*Aster miser*—Nutt., 1818.) (*Aster diffusus*—Ait., 1789.) (*N. Y. Acad. Sci.*, 1889.) Starved Aster.
Common. Everywhere. Rays short, white or pale blue. Sept., 1910.
- A. VIMINEOUS—Lam., 1783. Small White Aster.
Common. Moist Soil. S. Salina St., Sept., 1906.
- A. MULTIFLORUS—Ait., 1789. Dense-flowered Aster.
Common. Late. Dump Grounds, Oct., 1909.
- A. TENUIFOLIUS—Lin., 1753. Perennial Salt Marsh Aster.
Plentiful in Salt Marsh, First Ward, Syracuse. Sept., 1905.

- A. SUBULATUS—Michx, 1803. Annual Salt Marsh Aster. Localized. Salt Marsh, First Ward, Syracuse. Sept., 1905.

ERIGERON—Lin., 1753.

- E. PULCHELLUS—Michx, 1803. (*Erigeron bellidifolius*—Muhl., 1804. Robin's Plantain. Common. Early spring. Rays purple. Oakwood, May, 1899.
- E. PHILADELPHICUS—Lin., 1753. Shevish. Com. Fleabane. Common. Rays purple. Abundant. Very narrow. Oakwood, May, 1910.
- E. ANNUUS—Pers., 1807. Sweet Scabious, or Daisy Fleabane. Common. Waste places. Rays white, purple tinted. Goodrich Yard, summer, 1910.
- E. RAMOSUS—B. S. P. (*Prcl. Cat. N. Y., 27.*) 1888. (*Erigeron strigosus*—Muhl., 1804.) Daisy Fleabane. Common. Everywhere. Similar to former; longer rays. Goodrich Yard, summer, 1910.

LEPTILON—Raf., 1818.

- L. CANADENSE—Britton. (*Torr. Club, 1894.*) (*Erigeron Canadense*—Lin., 1753.) Canada Fleabane. Common. Widely distributed over U. S. Rays short, white. Roadside, summer, 1895.

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.

- I. LINARIFOLIUS—Greene. (*Aster linarifolius*—Hook.) (*Flo. Bor. Am., 1834.*) Savoy-leaved Aster. Frequent. Dry soil. Rays violet, rarely white. East Syracuse, Sept., 1899.

GIFOLA—Cass, 1819.

- G. GERMANICA—Dumort, 1827. (*Bel. Flo.*) (*Filago Germanica*—*Lin.*, 1763.) Cudweed. Herba Impia. Frequent. Dry soil. Peculiar in manner of growth. Oakwood, summer, 1910.

PLUCHEA—Cass, 1817.

- P. CAMPHORATA—D. C. Salt Marsh Fleabane. Occasional. Salt Marsh, First Ward. Noted for its odor, strongly impregnated with camphor. Sept., 1910.

ANTENNARIA—Gaertn., 1791.

- A. DIOICA—Gaertn., 1792. Everlasting Cudweed. Frequent. Hills and stony places. H. Worker's, Sept., 1910.
- A. PLANTAGINIFOLIA—Richards. Plantain-leaf Everlasting. Range same as *A. dioica*. Common. Stony bank. Roadside, Onon. Hill, May, 1905.

ANAPHALIS—D. C., 1837.

- A. MARGARITACEA—Benth. & Hook, 1873. Pearly Everlasting. Common. Hills and woods. Much used for winter bouquets. Jamesville, Kinney Field, Aug., 1908.

GNAPHALIUM—*Lin.*, 1753.

- G. OBTUSIFOLIUM—*Lin.*, 1753. (*Gnaphalium polycephalum*—*Michx.*, 1803.) Fragrant Everlasting. Less frequent. Range and habits same as former. Scales of involucre oppressed and flowers much smaller. Otisco, Aug., 1908.
- G. DECURRENS—Ives, 1819. Winged Cudweed. Frequent. Dry places. Leaves decurrent. Otisco, Aug., 1908.
- G. ULIGINOSUM—*Lin.*, 1753. Low Cudweed. Common. Moist soil. Navarino, Aug., 1908.

- 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.
Common. Roadsides and pastures. Roadside, Onon.
Hill.

POLYMNIA—Lin., 1753.

- P. UVEDALIA—Lin., 1753. Large-flowered Leaf-cup.
Occasional. Rich woods. Ind. Reservation, Aug., 1910.
P. CANADENSIS—Lin., 1753. Small-flowered Leaf-cup.
Frequent. Rich, moist woods. Oakwood, July, 1908.

HELIOPSIS.

- H. HELIANTHOIDES—B. S. P. (*Prel. Cat., N. Y., 1888.*)
(*Heliopsis laevis—Pers., 1807.*) False Sunflower.
Frequent. Banks and copses. Bank Onon. Creek, Aug.,
1900.
H. SCABRA—Dunal., 1819. Rough, False, or One-eye Sun-
flower.
Common. Dry soil. Roadside, East Syracuse, Aug.,
1896.

RUDBECKIA—Jacq., 1763.

- R. HIRTA—Lin., 1753. Black-eyed Susan, or Yellow Daisy.
Common. Fields. Becomes a troublesome weed. Onon.
Hill, Aug., 1908.
R. LACINIATA—Lin., 1753. Tall Green-headed Coneflower.
Common. Along streams. Bank Seneca River, Aug.,
1908.

BRAUNERIA—Neck., 1890.

(*ECHINACEAE—Moench., 1794.*)

- B. PURPUREA—Britton. (*Torr. Club, 1894.*) (*Echinaceae*
purpurea—Moench.) Purple Coneflower.
Rare. Only species found in Centerville, Aug., 1894.

HELIANTHUS—Lin., 1753.

- H. ANNUUS—Lin., 1753. Common Sunflower.
Frequent. Roadsides, etc. Escaped from cultivation.
Geddes, Aug., 1899.
- H. GIGANTEUS—Lin. Tall Sunflower.
Frequent. Wet soil. Rough and coarse. Swamp, East
Syracuse, Sept., 1908.
- H. DIVARICATUS—Lin., 1753. Woodland Sunflower.
Common. Thickets, dry woods, ravines, etc. Hopper's
Glen, Aug., 1904.
- H. DECAPETALUS—Lin., 1753. Thin-leaved Sunflower.
Frequent. Banks of streams and ravines. Onon. Creek,
Aug., 1904.
- H. STRUMOSUS—Lin., 1753. Pale-leaved Sunflower.
Common. Banks of streams and copses. Kirk grounds,
Aug., 1904.
- H. STRUMOSUS VAR. MOLLIS—Torry and Gray. Downy-
leaved Sunflower.
With the above. Less frequent. Leaves downy beneath
and lighter color above. Otherwise similar. Kirk Park,
Aug., 1904.
- H. HIRSUTUS—Raf., 1820. Stiff-haired Sunflower.
Rare. Dry, barren soil. Old, uncultivated lot, Onon.
Hill.
- H. TUBEROSUS—Lin., 1753. Jerusalem Artichoke.
Frequent. Cultivated for its edible tuberous roots.
Eaten raw by the aborigines. Goodrich W. F. Garden,

VERBESINA—Lin., 1753.

- V. ALTERNIFOLIA—Britton. (*Bull. Torr. Club, 1893.*)
(*Actinomeris alternifolia*—D. C., 1836.) (*Actinomeris squarrosa*—Nutt., 1818.) *Actinomeris*.
Occasional. Rich soil. Rays very irregular; sometimes
wanting. Belle Isle, Aug., 1899.

BIDENS—Lin., 1753.

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

Common. Borders of streams, marshes and ditches. Salina Marsh, Sept., 1907.

- B. CERNUA—Lin., 1753. Nodding Burr Marigold.
Common. Wet places. Rays, if any, small. Tamerac, Aug., 1899.
- B. CONNATA—Muhl., 1804. Swamp Beggar-ticks.
Frequent. Ditches and mud. Rayless. Maple Bay, Aug., 1910.
- B. COMOSA—Wiegand. (*As var. of connata—A. Gray—1867.*) Tickseed.
Common. Similar range with *connata*. Leaves thicker. Heads larger, with very leafy involuere. Maple Bay, Aug., 1910.
- B. DISCOIDEA—Brit. (*Bull. Torr. Club, 1893.*) Small Beggar-ticks.
Not common. Sandy shores. Oneida Lake Shore, Aug., 1899.
- B. FRONDOSA—Lin., 1753. Beggar Ticks.
Common. Everywhere. A troublesome weed. Neglected garden, Aug., 1899.
- B. BIPINNATA—Lin., 1753. Spanish Needles.
Rare. In dry soils. Leech Yard, First Ward, Sept., 1904.
- B. BECKII—Torr., 1821. Water Marigold.
Rare. Ponds and slow streams. Immersed leaves capillary; emerged leaves ovate lanceolate. Tully, July, 1898.

HELENIUM—Lin., 1753.

- H. AUTUMNALE—Lin., 1753. Sneeze Weed.
Occasional. Swamps and wet meadows. Elmwood, Aug., 1879.
- H. NUDIFLORUM—Nutt., 1841. Purple-headed Sneeze Weed.
Very rare. Specimens reported once only. Pleasant Beach, July, 1899.

ACHILLEA—Lin., 1753.

- A. PTARMICA—Lin. Sneezewort Yarrow.
Rare. Moist soil. Onon. Valley, Aug., 1895.

- A. MILLEFOLIUM—Lin., 1753. Yarrow, or Milfoil.
Common. Roadsides and fields. Often found pink.
Roadside east from Syracuse, summer, 1910.

ANTHEMIS—Lin.

- A. COTULA—Lin. (*Maruta cotula*—D. C., 1837.) Fetid
Camomile Mayweed.
Common. Widely distributed as a weed. Goodrich
Barnyard, summer, 1910.
- A. ARVENSIS—Lin., 1753. Corn Camomile.
Frequent. Waste places. Cardif, July, 1908.

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 "tubuli-
florum" by Linney. Name not mentioned by Brit. or
Gray. Specimens in my possession seem well worthy a
name.
- C. PARTHENIUM—Pers., 1807. Common Fever-few.
Common. Cultivated and escaped. Roadside, Fair-
mount, summer, 1908.

MATRICARIA—Lin., 1753.

- M. MATRICARIODES—Porter. (*Mem. Torr. Club, 1894.*)
Rayless Camomile.
Not common. West Shore Track, near Freight House,
Aug., 1910.

TANACETUM.

- T. VULGARE—Lin., 1753. Tansy.
Common. Country roadsides, etc. Onon. Hill, July,
1908.

ARTEMISIA—Lin., 1753.

- A. CAUDATA—Michx, 1803. Wild Wormwood.
Frequent in Salt Marsh. Court St., near bridge, Aug.,
1909.

- A. ABSINTHIUM—Lin., 1753. Common Wormwood.
Frequent. Roadsides and near old gardens. Escaped.
Aug., 1900.
- A. ABROTANUM—Lin., 1753. Southernwood.
Occasional. Shrubby cultivated species. Escaped. Aug.,
1900.
- A. BIENNIS—Willd., 1794. Biennial Wormwood.
Rare. Gravel bank of D. L. & W. near Howlett Gorge,
Sept., 1895.
- A. VULGARIS—Lin., 1753. Common Mugwort, or Mother-
wort.
Frequent. Near old dwellings. Medicinal. Wright
Place, Onon. Hill, Sept., 1899.

TUSSILAGO—Lin.

- T. FARFARA—Lin. Coughwort. Colt's-foot.
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, Or-
ville, 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. OBOVATUS—Muhl., 1804. Round-leaf Squawweed.
Rare. Moist, rocky banks. Bank of Scolopendrium
Green Lake, June, 1909. Mrs. Rogers.
- S. BALSAMITAE—Muhl., 1804. (*Senecio aurens* var. *bal-*
samitae—T. & G., 1843.) Balsam Groundsel.
Common. Rock Cut, June, 1905.

- S. AUREUS—Lin., 1753. Golden Ragwort.
Common. Swamps. Tamerac, June, 1907.
- S. LOBATUS—Pers., 1807. Cress-leaved Groundsel. Butterweed.
Occasional. Swamps. Tamerac Swamp, July, 1905.
- S. VULGARIS—Lin., 1753. Common Groundsel.
Common. Cultivated fields. Old barnyard, Clay, 1908.

ARCTIUM—Lin., 1753.

- A. TOMENTOSUM—Schk. Cottony Burdock.
Occasional. Waste places. Near Phoenix, July, 1895.
A white variety found.
- A. LAPPA—Lin., 1753. (*Lappa major*—Gaertn., 1802.)
Great Burdock.
Rare. Waste places. Roadside, Salina St., Rockwell Springs, Aug., 1909.
- A. MINUS—Schk., 1803. Common Burdock.
Common. Waste places. By Vinney Barn, Willow St., summer, 1910.

CARDUUS—Lin., 1753.

- C. LANCEOLATUS—Lin., 1753. Common Spear Thistle.
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. *discolor*—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.
Common everywhere. A very troublesome weed. Roadside, July, 1904.

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. MUSCARIA—Lin. Fly amanita.
 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 Amanita
 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—Vahl. Esculent but acrid.
 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. SFECIOSUS—Frost.
 Ed. B. SUBAUREUS—Pk. Superior.
 B. SUBGLABRIPES—Pk.
 Ed. B. SUBTOMENTOSUS—L.

CALVATIA.

- Ed. C. CRANILIFORMIS—Schw.
 Ed. C. CYATHIFORMIS—Basc.

CANTHARELLUS.

- Ed. C. BREVIFES—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. FUSCESSENS—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.

DICTRYOPHORA—Desvaux.

P. D. DUPLICATA—Fischer. Very handsome, yet very offensive. Rightly named "Stinkhorn."

ECCILIA.

E. ATRIDES.

ENTOLOMA.

Ed. E. RHODOPOLIUM—Gr. White Var.

E. RHODOPOLIUM—Gr. Buff Var.

FAVOLUS.

Not Good. F. CANADENSIS—Pk.

FISTULINA—Bull.

Ed. F. HEPATICA—Fr. Beef Steak Mushroom.

F. PALLIDA—B. & Rav. "Odor of Almonds" Rare.

FLAMMULA—Fr.

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

GALERA—Fr.

Ed. G. TENERA—Schaeff.

GEASTER—Mich.

Not Desirable. G. HYGROMETRICUS—Pers.

Not Desirable. G. MINIMUS—McIlvaine.

Not Desirable. G. TRIPLEX—McIlvaine.

HEBELOMA—Fr.

Not Good. H. GLUTINOSUM—Lind.

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. FULIGINEOUS—Frost. Peel before cooking.
 Ed. H. PRATENSIS—Fr. Cooked very slow, will be tender.
 Ed. H. MINIATUS—Fr.
 Ed. H. NITIDUS—B. & Rav.

HYPHOLOMA—Pk.

- Ed. H. APPENDICULATUM—Bull.
 H. INCERTUM—Pk.
 Ed. H. PERPLEXUM—Pk. Its resemblance to bitter species is to students perplexing.
 Bitter. H. SUBLATERITIUM—Schaeff. Bitter Hypholoma.

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. CRISPA—Karst. New here 1909.
 Ed. M. DELICIOSA—Fr.
 Ed. M. ESCULENTA—Pers.
 Ed. M. RINASIPES—De. New here 1909.
 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. ADIPOSA—Fr. Peel before using.
P. AURIVELLA—Batsch. Rare. Not recommended.
Ed. P. DURA—Bolt.

- Ed. P. PRAECOX—Pers. Caps only good.
 Ed. P. PRAECOX VAR MINOR—Pk.
 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. EUNOSMUS—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. ALBIPES—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. GRACILOIDES—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.
 Ed. R. ROSCIPES—Pk. Under pines. Fine. McI. says
 excellent.
 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. WILLEI; 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 Fumariaceæ.
Page 111—For Duchesma, read Duchesnia.
Page 138—Insert *Archangelica*.
Page 147—Insert *Lysimachia*.
Page 173—For Echinocystilis, read Echinocystis.
Page 191—Insert *Senicio*.

Index to Orders and Genera

Abies	26	Anacamniun	17
Abutilon	130	Anomodon	17
Acalypha	123	Antennaria	186
Acanthaceæ	168	Anthemlis	190
Aceraceæ	127	Anthoxanthum	35
Acer	127	Antirrhinum	163
Acerates	151	Anychia	92
Achillea	189	Opera	37
Acnida	87	<i>Aphyllon</i>	167
Acroanthus	72	See Thalesia	167
<i>Microstylis</i>	72	Apios	121
Acorus	58	Apium	141
Actæa	94	Aplectrum	74
<i>Actinomeris</i>	188	Apocynaceæ	150
See <i>verbosina</i>	188	Apocynum	150
Adiantum	13	Aquilegia	95
Alficea	82	Arabis	105
<i>Pilea</i>	82	Araceæ	58
Adlumia	100	<i>Araliaceæ</i>	137
Adnatum	17	<i>Aralia</i>	137
<i>Amblystegium</i>	17	See Panax	138
Adonogon	175	<i>Aralia</i>	137
<i>Krigia</i>	175	<i>Archangelica</i>	138
Agastache	157	See Angelica	138
<i>Lopanthus</i>	157	Arctium	192
Agrimonia	112	<i>Lappa</i>	192
Agropyron	43	Arctostaphylos	145
Agrostemma	88	Arenaria	91
<i>Lychnis</i>	88	Arethusa	71
Agrostis	37	Arisæma	58
Ailanthus	122	<i>Arun</i>	58
Alzooceæ	88	Aristida	36
<i>Ficoideæ</i>	88	Aristolochiaceæ	82
Ajuga	156	Aronia	114
Alisma	31	<i>Pyrus</i>	114
Alismaceæ	31	Arthenatherum	38
Allium	63	Artemesia	190
Ainus	76	Asarum	82
Alonecurus	26	Asclepiadaceæ	150
Aisine	90	Asclepias	150
Althæe	129	Asparagus	65
Alyssum	105	<i>Aspidium</i>	10
<i>Alusson</i>	105	See Dryopteris	10
See Koniga	105	Asplenium	12
Amaranthaceæ	87	Aster	181
Amaranthus	87	<i>Aster</i>	185
Amaryllidaceæ	67	See Doellingera	185
<i>Amblystegium</i>	67	Asterella	21
Ambrosiaceæ	178	Astilbe	107
Ambrosia	178	Astragalus	117
Amelanchier	114	Atragene	96
Ammodenia	92	<i>Clematis</i>	96
<i>Arcnaria</i>	92	Atrichum	17
Amorhilla	37	Atriplex	86
<i>Ampelops</i>	129	Avena	38
See Parthenocissus	129	Azalea	144
<i>Amphicarpa</i>	120	<i>Rhododendron</i>	144
See Falcata	120	Ballota	159
Anacardiaceæ	125	Balsaminaceæ	128
Anagallis	148	Baptisia	116
Anaphalis	186	Barbarea	102
Andromeda	145	Barbula	17
Andropogon	32	Batrachium	98
Anemone	95	<i>Ranunculus</i>	98
<i>Anemonella</i>	96	Bartramia	17
See Syndesmon	96	Bazzania	22
Aneura	21	Benzoin	99
Angella	138	Berberidaceæ	98
<i>Archangelica</i>	138	Berberis	98

Berula	141	Chelona	164
Stun	140	Chenopodiaceæ	85
Betulaceæ	78	Chenopodium	85
Betula	78	Chiloscyphus	22
Bicuculla	100	Chimaphyla	143
Dicentra	100	Chioenes	146
Bidens	188	Chrysanthemum	190
Bizia	22	Chrysosplenium	103
Blepharostema	22	Clethraceæ	174
Blitum	86	Clethrum	174
Bochmeria	82	Cicuta	141
Boraginaceæ	153	Cimicifuga	95
Borago	155	Cinna	37
Botrychium	7	Circaea	137
Brachyelytrum	36	Cistaceæ	132
Brachythecium	18	Claytonia	88
Brasenia	93	Clematis	96
Brassica	102	Climaceum	18
Braumeria	187	Clinopodium	160
Echinacea	187	Calamintha	160
Bromus	42	Clintonia	65
Brunella	158	Cnicus	192
See Prunella	158	Cnicus	192
Bryum	18	See Carduus	192
Bursa	104	Collinsonia	162
Capsella	104	Comandra	82
Caesalpiniaceæ	115	Comarum	111
Cakile	101	Compositæ	178
Calamagrostis	37	Coniferæ	25
Calamintha	160	Conocephalus	24
See Clinopodium	160	Conioselinum	139
Calla	58	Conium	140
Callitricheæ	125	Conopholis	167
Callitriche	125	Convallariaceæ	65
Calopogon	73	Convolvulaceæ	151
See Limnorum	73	Convolvulus	151
Caltha	94	Coptis	94
Calyso	73	Corallorhiza	73
Camasia	64	Cornaceæ	142
Camelina	104	Cornus	142
Campanulaceæ	123	Coronilla	118
Campanula	173	Corylus	78
Camposorus	12	Crasulaceæ	107
Cannabis	81	Crataegus	114
Capnoides	100	Crepis	176
Corydalis	100	Cruciferae	101
Capparidaceæ	106	Cryptogramma	13
Caprifoliaceæ	170	Cryptotaenia	141
Capsella	104	See Deringa	141
See Bursa	104	Cubellum	133
Cardamine	103	Solea	133
Carduus	192	Cucurbitaceæ	173
Cnicus	192	Cuscutaceæ	152
Carex	48	Cuscuta	152
Carpinus	78	Cylindrothecium	18
Carum	141	Cymbalaria	163
Caryu	74	Cynanchum	151
See Hicoria	74	Pinctoricium	151
Caryophyllaceæ	88	Cynoglossum	153
Cassandra	145	Cynosurus	40
See Chamaedaphne	145	Cyperaceæ	44
Cassia	115	Cyperus	44
Castalia	93	Cyperas	44
Castanea	79	Cyripedium	63
Castilleja	166	Cystopteris	10
Caulophyllum	99	See Filix	10
Cedronella	157	Dactylis	40
See Meehania	157	Dalibarda	110
Celastraceæ	127	Danthonia	38
Celastrus	127	Daphne	134
Celtis	80	Dasytoma	165
Ceonanthus	128	Gerardia	165
Cephalanthus	169	Datura	162
Cephalosia	22	Daucus	138
Cerastium	91	Decodon	134
Ceratodon	18	Nessea	134
Ceratophyllaceæ	93	Dentaria	103
Ceratophyllum	93	Densteadia, Undw.	9
Chamaedaphne	145	Dicksonia	9
Cassandra	145	Deringa	141
Chamaellirium	62	Cryptotaenia	141
Chamaenerion	135	Deschampsia	38
Epilobium	135	Dosmodium	118
Chelidonium	100	See Melibomia	118

Dianthera	168	<i>Filago</i>	186
Dianthus	90	See <i>Gifola</i>	186
<i>Dicentra</i>	100	Filices	7
See <i>Bicuculla</i>	100	Filix	10
<i>Dichelyma</i>	18	Cystopteris	10
<i>Dicksonia</i>	9	Fimbrilaria	24
See <i>Denstedia</i>	9	Fimbristylis	46
Dycotyledons	74	Fissidens	19
Dicranella	18	Floerklia	125
Diervilla	172	Fragaria	110
Digitalis	166	<i>Fragaria</i>	111
Diplachne	39	See <i>Duchesnea</i>	111
<i>Diplopappus</i>	185	Fraxinus	148
See <i>Doellingeria</i>	185	Frullania	22
Diplophyllum	22	Fumariaceæ	100
Dipsacæ	173	Fumaria	100
Dipsacus	173	Galeopsis	158
Dorca	134	Gallum	169
Distichlis	40	Gaultheria	145
Doellingeria	185	Gaura	136
<i>Aster (Diplopappus)</i>	185	Gaylussacia	145
Dondia	86	Genista	116
<i>Sueda</i>	86	Gentianaceæ	148
Draba	104	Gentiana	149
Dracocephalum	157	Geraniaceæ	121
Droseraceæ	106	Geranium	121
Drosera	106	Gerardia	166
Drupaceæ	115	<i>Gerardia</i>	165
Dryopteris	10	See <i>Dasystoma</i>	165
<i>Aspidium</i>	10	Geum	112
Duchesnea	111	<i>Gifola</i>	186
<i>Fragaria</i>	111	<i>Filago</i>	186
Dulichium	45	Glaucium	99
Durlingo	141	Glecoma	157
Eatonia	39	Gleditsia	116
<i>Echinaceæ</i>	187	Gnaphalium	186
See <i>Brauneria</i>	187	<i>Goadyera</i>	72
Echinocystis	173	See <i>Peranium</i>	72
<i>Sicyos</i>	173	Gramineæ	32
<i>Echinosperrnum</i>	154	Grappheporum	41
See <i>Lappula</i>	154	Gratiola	164
Echium	155	Grimmia	19
Elaeagnaceæ	134	Grimmaldia	24
Elatinaceæ	131	Grossulariaceæ	108
Elatine	131	Gymnocladus	116
Eleocharis	45	<i>Gymnostichum</i>	43
Eleusine	39	See <i>Hystrix</i>	43
<i>Elodea</i>	131	Gyrostachys	71
See <i>Triadenum</i>	131	<i>Spiranthes</i>	71
Elymus	43	Gyrotheca	67
Eolgea	145	<i>Lachnanthes</i>	67
Epiobium	135	Habenaria	69
Epiactis	71	Haemodoraceæ	67
<i>Ephagus</i>	168	Haloragidaceæ	137
See <i>Leptamnium</i>	168	Hamamelidaceæ	109
Equilifaceæ	14	Hamamelis	109
Equisetum	14	Hedeoma	159
Eragrostis	39	Hedwigia	19
Ericaceæ	144	Helenium	189
Erigeron	185	Hellanthus	188
<i>Erigeron</i>	185	Hellopsis	187
See <i>Lentilon</i>	185	Hemerocallis	63
Eriocaulaceæ	59	Hepatica	95
Eriocaulum	59	Hepaticæ	21
Erionthorum	47	Heracleum	139
Erysimum	105	Hesperis	106
Erythraea	148	Heteranthera	60
Erythronium	64	Hibiscus	130
Eulophus	140	Hicoria	74
Eunonymus	127	<i>Carya</i>	74
Eupatorium	178	Hieracium	176
Euphorbiaceæ	123	Homolocenchrus	34
Euphorbia	123	<i>Leersia</i>	34
Eurhynchium	18	Hottonia	146
Euthamia	181	Houstonia	169
Solidago	181	Humulus	81
Fragaceæ	79	Hydrastis	94
Fagopyrum	83	Hydrocharis	32
Fagus	79	<i>Hydrocharis</i>	32
Falcata	120	See <i>Linnobium</i>	32
<i>Amphicarpa</i>	120	Hydrocotyle	142
Festuca	42	Hydrophyllaceæ	153
<i>Ficoideæ</i>	88	Hydrophyllum	153
See <i>Alzooacæ</i>	88	Hylocomium	19

Hyoscyamus	162	See Veronica	165
Hypericaceæ	130	Leptilon	185
Hypericum	130	<i>Erigeron</i>	185
Hypnum	19	Leptobrium	20
Hypopitys	144	Leptodon	20
Hypoxis	67	Leptorchis	73
Hyssopus	160	Leptotrichum	73
Hystrix	43	<i>Liparis</i>	73
<i>Gymnostichum</i>	43	<i>Liparis</i>	73
Hex	126	Lespedeza	119
Illicaceæ	126	<i>Liatris</i>	179
<i>Illicineæ</i>	126	See <i>Lacnaria</i>	179
Ilcoides	126	Ligusticum	139
<i>Nemopanthus</i>	126	Ligustrum	148
Impatiens	128	Liliaceæ	63
Inula	187	Lilium	64
Ionactis	185	Limnanthaceæ	125
<i>Aster</i>	185	<i>Geraniaceæ</i>	125
Ipomea	161	Limnobiium	32
Iridaceæ	67	Limonodorum	73
Iris	67	<i>Calopogon</i>	73
Isardia	135	Linaceæ	122
<i>Ludwigia</i>	135	Linaria	163
Isœtaceæ	16	Linnaea	171
Isœtes	16	Liochloena	23
Isopyrum	94	<i>Liparis</i>	73
Ixonchurus	34	See <i>Leptorchis</i>	73
<i>Setaria</i>	34	Linum	122
Juglandaceæ	74	Liriodendron	94
Juglans	74	Lithospermum	154
Juncaceæ	60	Lobelia	174
Juncoides	62	Lolium	43
<i>Luzula</i>	62	Loncera	172
Juncus	60	<i>Lopanthus</i>	157
Jungermania	22	See <i>Agastache</i>	157
Juniperus	26	Lophocolea	23
Kalmia	144	Ludwigia	135
Kanfia	23	<i>Ludwigia</i>	135
Kneffia	136	Ludwigia	166
<i>Oenothera</i>	136	See <i>Gerardia</i>	166
Koleria	40	Lunularia	23
Koellia	160	Lupinus	116
<i>Picnanthemum</i>	160	<i>Luzula</i>	62
Koniga	105	See <i>Juncoides</i>	62
<i>Alyssum</i>	105	Lychnis	89
<i>Krigia</i>	175	Lycium	162
See <i>Adopogon</i>	175	Lycopodiaceæ	15
Labiatae	156	Lycopodium	15
Lacnaria	179	Lycopsis	165
<i>Liatris</i>	179	Lycopus	160
Lactuca	176	Lysimachia	147
<i>Lachnanthes</i>	67	<i>Lysimachia</i>	147
See <i>Gyrotheca</i>	67	See <i>Steironema</i>	147
Lamium	158	And <i>Naumburgia</i>	147
<i>Lappa</i>	192	Lythraceæ	134
See <i>Arctium</i>	192	Lythrum	134
Lapula	154	Magnoliaceæ	94
<i>Echinosperrnum</i>	154	Magnolia	94
Larix	25	Malus	114
Lathyrus	120	Malvaceæ	129
Lauraceæ	99	Malva	130
Lechea	132	Marchantiaceæ	24
Ledum	144	Marchantia	24
<i>Leersia</i>	34	Marrubium	157
See <i>Homalocenchrus</i>	34	Marsiliaceæ	14
Leguminosæ	116	Marsilea	14
See <i>Papilionasæ</i>	116	Marsupella	23
Legouzia	174	Matricaria	190
Specularia	174	Medeola	66
Lemnaceæ	59	Medicago	116
Lemna	59	Meehania	157
<i>Lemna</i>	59	<i>Cedronella</i>	157
See <i>Spirodella</i>	59	Melbonia	118
Lentibulaceæ	167	<i>Desmodium</i>	118
Leontodon	175	Melampyrum	167
Leonurus	163	Melanthaceæ	62
Lepargyrea	134	Melastomaceæ	135
<i>Shepherdia</i>	134	Melilotus	116
Lepidium	101	Melissa	160
Lepidozia	23	Menispermaceæ	99
Leptamium	168	Menispermum	99
<i>Epiphegus</i>	168	Mentha	161
Leptandria	165	Menyanthaceæ	149
<i>Leptandria</i>	165	Menyanthes	149

Metzgeria	23	Parnassia	108
Micranthella	173	Pastinaca	139
Microstylis	72	Pellea	14
See Acroanthus	72	Pellia	23
Milium	35	Peltandra	58
Mimulus	134	Penthorum	107
Mitchella	169	Pentstemon	164
Mitella	108	Peranium	72
Mnium	20	Goodyera	72
Mochringia	92	Petasites	191
Mollugo	88	Phaca	118
Monarda	159	Phacella	153
Moneses	143	Phalaris	34
Monocotyledones	27	Phaseolis	121
Monotropaceæ	144	Phegopteris	11
Monotropa	144	Philonotis	20
Moraceæ	81	Philotria	32
Morus	81	Phileum	36
Muhlenbergia	35	Phlomis	158
Muscari	64	Phlox	152
Mylla	23	Phragmites	39
Myosotis	154	Phrymaceæ	168
Myriaceæ	75	Phryma	168
Myrica	75	Phyllitis	12
Myriophyllum	137	Scallopentidium	12
Nabalus	177	Physalis	162
Prenanthes	177	Physostegia	158
Naiadaceæ	28	Phytolacaceæ	87
Najas	30	Phytolacca	87
Nardia	23	Picea	25
Naumburgia	147	Abies	25
Lysimachia	147	Picnanthemum	160
Neckera	20	See Kellia	160
Nepeta	157	Pimpinella	140
Neslia	104	Zizia	140
Nessea	134	Pinaceæ	25
See Decodon	134	Pinus	25
Nicotiana	163	Plagiocchia	24
Nymphaeaceæ	93	Plagiothecium	20
Nymphaea	93	Plantaginaceæ	168
Nyssa	143	Plantago	168
Odontoschisma	23	Plantanaceæ	109
Oenothera	136	Platanus	109
See Onagra	136	Pluchea	186
And Kneiffia	136	Poa	40
Oleaceæ	148	Podophyllum	99
Onagraceæ	135	Pogonia	70
Onagra	136	Polanisia	106
Onoclea	9	Polemoniaceæ	152
Onosmodium	155	Polemonium	152
Oenothera	136	Polygalaceæ	122
Ophloglossaceæ	7	Polygala	122
Ophloglossum	7	Polygonaceæ	82
Orchidaceæ	68	Polygonatum	66
Orchis	69	Polygonella	85
Origanum	160	Polygonum	83
Ornithogalum	64	Polymnia	137
Orobanchaceæ	167	Polypodiaceæ	9
Orontium	58	Polypodium	14
Orthotricum	20	Polystichum	11
Oryzopsis	35	Polytrichum	21
Osmorrhiza	140	Pomaceæ	113
See Washingtonia	140	Pontederiaceæ	60
Osmundaceæ	8	Pontederia	60
Osmunda	8	Populus	75
Ostrya	78	Porella	24
Oxalidaceæ	121	Portulacaceæ	88
Oxalis	121	Portulaca	88
Oxycoocus	146	Potamogeton	28
Oxygraphis	98	Potentilla	111
Ranunculus	98	Pottia	21
Oxypolis	138	Preissia	24
Tiedemania	138	Prenanthes	177
Pallavicinia	23	See Nabulus	11
Panax	138	Primulaceæ	146
Aralia	138	Prosperinaca	137
Panicularia	41	Prunella	158
Glyceria	41	Brunella	158
Panicum	33	Prunus	116
Panicum	32	Psilocarya	46
See Syntherisma	32	Pteris	18
Papaveraceæ	99	Ptilidium	24
Papilionaceæ	116	Ptychomitrium	21
Parthenocissus	129	Puccinella	42

<i>Pyenanthemum</i>	160	<i>Shepherdia</i>	134
See <i>Kellia</i>	160	See <i>Lepargyrea</i>	134
Pyrolaceæ	143	<i>Sicyos</i>	173
<i>Pyrola</i>	143	<i>Siegingia</i>	39
<i>Pyrus</i>	114	<i>Silene</i>	89
<i>Quamasia</i>	64	<i>Simarubaceæ</i>	122
<i>Scilla</i>	64	<i>Sinapis</i>	101
<i>Quercus</i>	79	<i>Nisimbrium</i>	101
<i>Radula</i>	24	See <i>Stenophragma</i>	105
<i>Ranunculaceæ</i>	94	<i>Sisyrinchium</i>	68
<i>Ranunculus</i>	96	<i>Slum</i>	146
<i>Raphanus</i>	102	<i>Sium</i>	141
<i>Rapistrum</i>	104	See <i>Berula</i>	141
See <i>Neslia</i>	104	<i>Smilacæ</i>	67
<i>Rhamnaceæ</i>	128	<i>Smilacena</i>	65
<i>Rhamnus</i>	128	See <i>Vagneria</i>	65
<i>Rhexia</i>	135	And <i>Unifolium</i>	65
<i>Rhus</i>	125	<i>Smilax</i>	67
<i>Riccia</i>	24	<i>Solanaceæ</i>	162
<i>Ribes</i>	108	<i>Solanum</i>	162
<i>Rhododendron</i>	144	See <i>Cubellum</i>	133
See <i>Azalia</i>	144	<i>Solidago</i>	133
<i>Rhynostegium</i>	21	<i>Solidago</i>	179
<i>Robinia</i>	117	<i>Solidago</i>	181
<i>Roripa</i>	102	See <i>Euthamia</i>	181
<i>Nasturtium</i>	102	<i>Sonchus</i>	175
<i>Rosaceæ</i>	109	<i>Sophia</i>	104
<i>Rosa</i>	113	<i>Sisymbrium</i>	104
<i>Rubiaceæ</i>	169	<i>Sorbus</i>	113
<i>Rubus</i>	109	<i>Pyrus</i>	113
<i>Rudbeckia</i>	187	<i>Sparganiaceæ</i>	27
<i>Rumex</i>	82	<i>Sparganium</i>	27
<i>Ruppa</i>	30	<i>Spartina</i>	38
<i>Rutaceæ</i>	122	<i>Spathyema</i>	58
<i>Rynchospora</i>	48	<i>Symplocarpus</i>	58
<i>Sabbatia</i>	149	<i>Specularia</i>	174
<i>Sagina</i>	91	See <i>Legouzia</i>	174
<i>Sagittaria</i>	31	<i>Spergula</i>	92
<i>Salicaceæ</i>	75	<i>Sphagnum</i>	21
<i>Salicornia</i>	86	<i>Spirea</i>	109
<i>Salix</i>	76	<i>Spiranthes</i>	71
<i>Salsola</i>	86	See <i>Gyrostachys</i>	71
<i>Salviniaceæ</i>	14	<i>Spiradella</i>	59
<i>Salvinea</i>	14	<i>Lemna</i>	59
<i>Sambucus</i>	170	<i>Sporobolus</i>	36
<i>Sanguinaria</i>	99	<i>Stachys</i>	159
<i>Sanguisorba</i>	113	<i>Staphyleaceæ</i>	127
<i>Sanicula</i>	139	<i>Staphylea</i>	127
<i>Santalaceæ</i>	82	<i>Steironema</i>	147
<i>Saponaria</i>	89	<i>Lysamachia</i>	147
<i>Saponaria</i>	89	<i>Stenophyllus</i>	46
See <i>Vaccaria</i>	89	<i>Scirpus</i>	46
<i>Sarothra</i>	131	<i>Stenophragma</i>	105
<i>Sarraceniaceæ</i>	106	<i>Sisymbrium</i>	105
<i>Sarracenia</i>	106	<i>Streptopus</i>	65
<i>Sassafras</i>	99	<i>Suaeda</i>	86
<i>Saururaceæ</i>	74	See <i>Dondia</i>	86
<i>Saururus</i>	74	<i>Symphoricarpos</i>	171
<i>Saxifragaceæ</i>	107	<i>Symphytum</i>	155
<i>Saxifraga</i>	107	<i>Syndesmon</i>	96
<i>Scapania</i>	24	<i>Anemone</i>	96
<i>Scheuchzeriaceæ</i>	31	<i>Synosma</i>	191
<i>Scilla</i>	64	<i>Senecio</i>	191
See <i>Quamasia</i>	64	<i>Syntherisma</i>	22
<i>Scirpus</i>	46	<i>Panicum</i>	32
<i>Scirpus</i>	46	<i>Tanacetum</i>	190
See <i>Fimbristyllis</i>	46	<i>Taraxicum</i>	175
<i>Scleranthus</i>	93	<i>Taxaceæ</i>	26
<i>Scleria</i>	48	<i>Taxus</i>	26
<i>Scolopendrium</i>	12	<i>Tetragonanthus</i>	149
See <i>Phyllitus</i>	12	<i>Tetrophis</i>	21
<i>Scrophulariaceæ</i>	163	<i>Teucrium</i>	156
<i>Scrophularia</i>	164	<i>Thalesia</i>	167
<i>Scutellaria</i>	156	<i>Aphyllon</i>	167
<i>Sedum</i>	107	<i>Thalictrum</i>	98
<i>Selaginellaceæ</i>	16	<i>Thaspium</i>	139
<i>Selaginella</i>	16	<i>Thlaspi</i>	101
<i>Senecio</i>	191	<i>Thuja</i>	26
<i>Senecio</i>	191	<i>Thymelaceæ</i>	134
See <i>Synosma</i>	191	<i>Tiarella</i>	107
<i>Seriocarpus</i>	181	<i>Tiedmannia</i>	138
<i>Seauvium</i>	88	See <i>Oxypollis</i>	138
<i>Setaria</i>	34	<i>Tillaceæ</i>	129
See <i>Ixopporus</i>	34	<i>Tillia</i>	129

Tipularia	73	Valerianella	173
Tissa	92	Valisneriaceæ	32
Tofieldia	62	Valisneria	32
Tragopogon	175	Veratrum	62
Triladenum	131	Verbascum	163
<i>Elodus</i>	130	Verbenaceæ	155
Trichocolea	24	Verbena	155
Trichostema	156	Verbesina	188
Trichostomum	21	<i>Actinomeris</i>	188
Tridentalis	148	Vernonia	178
Trifolium	116	Veronica	165
Triglochin	31	Viburnum	170
Trillium	66	Vicia	120
Triosteum	171	Vinca	150
Teuga	26	<i>Vincetoxicum</i>	151
Tussilago	191	See Cynanchum	151
Typhaceæ	27	Violaceæ	132
Typha	27	Viola	132
Ulmaceæ	80	Vitaceæ	128
Ulmus	80	Vitis	128
Ulotia	21	Waldsteinia	111
Umbelliferae	138	Washingtonia	140
Unifolium	65	<i>Osmorrhiza</i>	140
<i>Smilacena</i>	65	Weissia	31
Urticaceæ	81	Wolfia	59
Urtica	81	Woodsia	9
Utricastrum	31	Woodwardia	12
Utricularia	167	Xanthium	178
Uvularia	63	Xanthoxylum	122
Vaccaria	90	Xyridaceæ	59
<i>Saponaria</i>	90	Xyris	59
Vacciniaceæ	145	Zannichella	30
Vaccinium	146	Zizania	34
Vagnera	65	Zizia	141
<i>Smilacena</i>	65	Zizia	140
Valerianaceæ	172	See Pimpinella	140
Valeriana	172	Zygadenus	62

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