

The D. H. Hill Library



North Carolina State University

QK190

F6

**THIS BOOK IS DUE ON THE DATE
INDICATED BELOW AND IS SUB-
JECT TO AN OVERDUE FINE AS
POSTED AT THE CIRCULATION
DESK.**

--

45

FLORA OF BURLINGTON AND VICINITY

A list of the

FERN AND SEED PLANTS

Growing without cultivation

By

Nellie F. Flynn

To
My Husband

FLORA OF BURLINGTON AND VICINITY

PREFACE

This list was begun at the suggestion of Dr. L. R. Jones, formerly of the University of Vermont, now of the University of Wisconsin. It was intended to be accompanied by an account of the plant geography and ecology of the region by Dr. Clifton D. Howe. Since the removal of Dr. Howe to Toronto has delayed the completion of his surveys* it seems best to publish this now as a preliminary list. It is hoped that when Dr. Howe's report is completed, a revision of this list may be published with it.

The list is intended to include the names of all the fern and seed plants which are natives of or grow without cultivation in Burlington and its vicinity, including with Burlington, the towns of South Burlington, Colchester, Essex, Williston and Shelburne. Each name has an extant specimen back of it, except in three or four cases which are specifically mentioned. In these cases we are sure of the identity of the plant cited. Except in a few instances, specimens are in the herbarium of the University of Vermont or in the private collection of the author.

To stimulate further search, a supplementary list has been added containing the names of additional plants which have been doubtfully reported for the region or which for reasons named should be sought here. In the case of rare plants, stations and names of collectors have been given. For the sake of brevity, initials of collectors' names have not been given except where there are two of like name. In order to complete the records, the full name, and present address of the living collectors where known, are here given.

*Dr. Howe has recently published certain of his observations on the plant geography of this region entitled: The Reforestation of the Sand Plains of Vermont. *Botanical Gazette*, Feb'y, 1910.

Rev. J. A. Bates, South Royalston, Mass.; Hon. R. D. Benedict, Burlington; Lucius Bigelow, Burlington; William Boott (specimens in Gray Herbarium); Dr. Ezra Brainerd, Middlebury, Vt.; Miss Martha Brookes-Brown (specimens in U. V. M. Herbarium); C. E. Bryant, Williston, Vt.; Dr. G. P. Burns, University of Vermont, Burlington; H. B. Chittenden (specimens in U. V. M. Herbarium); H. J. Collins, West Lebanon, N. H.; A. W. Edson (specimens in U. V. M. Herbarium); W. W. Eggleston, Washington, D. C.; Mrs. N. F. Flynn, Burlington; Mrs. G. I. Forbes, Burlington; Mrs. E. F. Gebhardt, Shelburne, Vt.; C. M. Gifford, Morgantown, W. Va.; A. H. Gilbert, Washington, D. C.; Miss M. K. Goddard, Lexington, Mass.; D. B. Griffin, Winooski, Vt.; Dr. A. J. Grout, New Dorp, N. Y.; Mrs. A. J. Grout, New Dorp, N. Y.; Dr. T. E. Hazen, Barnard College, New York, N. Y.; J. P. Helyer, University of Vermont, Burlington; C. G. Hinsdale, Boston, Mass.; Miss Miriam Hitchcock, Pittsford, Vt.; F. M. Hollister, Tewksbury, Mass.; Mrs. Henry Holt, Burlington; S. C. Hood, Orange City, Fla.; F. H. Horsford, Charlotte, Vt.; Dr. C. D. Howe, Toronto University, Toronto, Can.; F. E. Hubbard, Keene Valley, N. Y.; Dr. L. R. Jones, University of Wisconsin, Madison; G. L. Kirk, Rutland, Vt.; W. F. Macrae (specimens in Gray Herbarium); Miss Lizzie Moore, Burlington; Prof. W. J. Morse, University of Maine, Orono, Me.; William Oakes (specimens in Gray Herbarium); W. A. Orton, Washington, D. C.; Prof. G. H. Perkins, University of Vermont, Burlington; H. L. Priest (specimens in U. V. M. Herbarium); Dr. C. G. Pringle, University of Vermont, Burlington; Mrs. F. A. Richardson, Burlington; Dr. J. W. Robbins (specimens in Gray Herbarium); F. A. Ross (specimens in U. V. M. Herbarium); J. K. Shaw, Amherst, Mass.; Dr. L. P. Sprague, Chateaugay, N. Y.; R. R. Strait, Franklin, Vt.; Prof. H. A. P. Torrey (specimens in U. V. M. Herbarium); Prof. Joseph Torrey (specimens in U. V. M. Herbarium); Miss Phoebe Towle, Burlington; C. C. Tracy (specimens in U. V. M. Herbarium); Mrs. F. H. Walker, Portland, Ore.; Rev. Levi Wild, Royalton, Vt.; Mrs. W. H. Zottman, Burlington.

It is a matter of regret, that the older botanists who were the first collectors of this region, namely, Macrae, Robbins, Torrey and Benedict, who collected here about the middle of the last century, have so few authenticated specimens in herbaria, that due credit cannot be given them. It is hoped that anyone having such specimens or those of other collectors which are not fully credited, will inform the author.

The seventh edition of Gray's Manual has been followed strictly in nomenclature, except where for the sake of brevity, initials have been eliminated or names abbreviated, and synonyms have only been given where corrections have been made since the Manual came out. Common names have been inserted freely as befitting the general use which may be made of such a list.

Following the usage of the Vermont Flora, four adjectives, namely, "common," "frequent," "occasional" and "rare," have been adopted to denote frequency of occurrence. These are intended to be associated with the habitat—thus, "sandy soil, common," means, common on sandy soils, though it may be rare in other habitats. The term "rare" is used for those plants which occur in but few stations and there but sparingly. When they are abundant in such stations, the word "local" has been preferred. The habitats given are based on personal observation where possible.

Following the common practice, small capitals have been used for names of plants not native to the region as far as our knowledge goes. In a few cases these may be native of some other part of the state, but introduced here.

This list is necessarily provisional and incomplete, and will have served its best purpose if it prepares the way for a fuller one later. To that end it is hoped that anyone who can give added information about the plants in this list, or who finds any additional species, will let the author know, and deposit specimens either with her or in the herbarium of the University of Vermont. Proper recognition will be made of such assistance in the proposed revision.

My thanks are due not only to Dr. L. R. Jones who has been of the greatest help and encouragement, but to Dr. Ezra Brainerd, Mr. W. W. Eggleston, Rev. J. A. Bates, Dr. T. E. Hazen and many others for assistance given. Thanks are also due to Prof. M. L. Fernald, who has examined and verified many doubtful specimens.

NELLIE F. FLYNN.

CONTENTS

	Page
Catalogue of Flowering Plants and Ferns.....	1
Pteridophytes	1
Spermatophytes	6
Supplementary List	94
Statistical Summaries	101
Additions and Corrections	103
Index	104



Flora of Burlington and Vicinity

PTERIDOPHYTA

Ferns and Fern Allies

POLYPODIACEAE. FERN FAMILY

ADIANTUM (Tourn.) L. MAIDENHAIR

A. pedatum L. Rich moist woods; frequent. July.

ASPIDIUM Sw. SHIELD FERN. WOOD FERN

- A. Boottii** Tuck. Boott's Shield Fern. Wet thickets and about ponds; rare. July. Burlington, (N. F. F.); Essex and Colchester, (Hazen).
- A. cristatum** (L.) Sw. Crested Shield Fern. Moist thickets and swamps; occasional. July.
- A. cristatum** (L.) Sw., var. **Clintonianum** Eaton. Clinton's Shield Fern. Swampy woods; rare. July. Colchester, (N. F. F.).
- A. Goldianum** Hook. Goldie's Fern. Rich woods; rare. July. Shelburne.
- A. marginale** (L.) Sw. Marginal Shield Fern, Evergreen Wood Fern. Rocky hillsides in rich woods; common. July, Aug.
- A. noveboracense** (L.) Sw. New York Fern. Rich woods; common. Aug.
- A. spinulosum** (Müller) Sw. Spinulose Shield Fern. Rich woods; occasional. July.
- A. spinulosum** (Müller) Sw., var. **intermedium** (Muhl.) Eaton. Woods; common. July.
- A. Thelypteris** (L.) Sw. Marsh Fern. Marshes; common. Aug.

ASPLENIUM L. SPLEENWORT

- A. acrostichoides** Sw. Silvery Spleenwort. Rich woods; rare. July, Aug. Shelburne, (Bates); Burlington, (N. F. F.).
- A. angustifolium** Michx. Narrow-leaved Spleenwort. Rich woods; rare. Aug. Shelburne.
- A. Filix-femina** (L.) Bernh. Lady Fern. Moist woods; common in several different forms. July, Aug.
- A. platyneuron** (L.) Oakes. Ebony Spleenwort. Rocky open woods; occasional. July, Aug. A form near var. *INCISUM* (Howe) Robins. occurs, Colchester, (Griffin).
- A. Ruta-muraria** L. Rue Spleenwort. Limestone cliffs; occasional. July.
- A. Trichomanes** L. Maidenhair Spleenwort. Shaded rocks; occasional. July. A form near var. *INCISUM* Moore occurs, Colchester, (Griffin).

CAMPTOSORUS Link. WALKING LEAF

- C. rhizophyllus** (L.) Link. Shaded rocks, especially limestone; occasional. Aug. Forms occur with the fronds forked at the tip and with the auricles greatly elongated.

CRYPTOGRAMMA R. Br. ROCK BRAKE

- C. Stelleri** (Gmel.) Prantl. Slender Rock Brake. Moist limestone rocks; rare. July. South Burlington, (Perkins).

CYSTOPTERIS Bernh. BLADDER FERN

- C. bulbifera** (L.) Bernh. Common Bladder Fern. Moist shaded ravines; frequent. July.
- C. fragilis** (L.) Bernh. Fragile Bladder Fern. Rocky woods and ravines; frequent. June.

DICKSONIA L'Hér.

- D. punctilobula** (Michx.) Gray. Hay-scented Fern. Moist shaded places; occasional. Aug.

ONOCLEA L.

- O. sensibilis** L. Sensitive Fern. Moist meadows and thickets; common. Sterile June; fertile Sept. Sports are occasional,—the so-called var. *OBTUSILOBATA* (Schkuhr) Torr. Burlington, (Miss Goddard); South Burlington, (Ross).
- O. Struthiopteris** (L.) Hoffm. Ostrich Fern. Alluvial soil; common. Sterile June; fertile Sept.

PELLAEAE Link. CLIFF BRAKE

- P. atropurpurea** (L.) Link. Purple Cliff Brake. Limestone cliffs; occasional. July.

PHEGopteris (Presl) Fée. BEECH FERN

- P. Dryopteris** (L.) Fée. Oak Fern. Moist woods; frequent. July.
- P. hexagonoptera** (Michx.) Fée. Broad Beech Fern. Rich woods; rare. July, Aug. Shelburne, (Jones); Burlington, (N. F. F.); Colchester, (Griffin).
- P. polypodioides** Fée. Long Beech Fern. Damp woods; occasional. July.

POLYPODIUM (Tourn.) L. POLYPODY

- P. vulgare** L. Rocks; common. July, Aug.

POLYSTICHUM Roth.

- P. acrostichoides** (Michx.) Schott. Christmas Fern. Rocky woods; common. July. Var. **SCHWEINITZII** (Beck) Small. (Var. **incisum** Gray) Occasional. A crisped form occurs. Burlington, (Mrs. Richardson, Ross); Colchester, (Griffin).

PTERIS L. BRAKE OR BRACKEN

- P. aquilina** L. Pastures and woodlands; common. Aug. Var. **PSEUDOCAUDATA** Clute. Rare. Colchester, (Ross).

WOODSIA R. Br.

- W. ilvensis** (L.) R. Br. Rusty Woodsia. Exposed rocks; occasional. July. Abundant at one station.
- W. obtusa** (Spreng.) Torr. Blunt-lobed Woodsia. Rocky banks; occasional. July.

WOODWARDIA Sm. CHAIN FERN

- W. virginica** (L.) Sm. Virginia Chain Fern. Wet swamp, Colchester, (Robbins). July.

OSMUNDACEAE. FLOWERING FERN FAMILY

OSMUNDA (Tourn.) L. FLOWERING FERN

- O. cinnamomea** L. Cinnamon Fern. Wet woods and pastures; common. Fertile May; sterile June. Variable in the shape and cutting of the pinnules. Var. **INCISA** Hunt. Rare. Burlington, (Ross, N. F. F.); Colchester, (Griffin).

- O. Claytoniana** L. Interrupted Fern. Wet woods and pastures; common. Fertile May; sterile June.
- O. regalis** L. Royal Fern. Wet woods and swamps; common. June. Forms occur with the sterile fronds fertile at the tips and with the pinnules incised; South Burlington and Burlington, (N. F. F.).

OPHIOGLOSSACEAE. ADDER'S TONGUE FAMILY

BOTRYCHIUM Sw. MOONWORT

- B. lanceolatum** (Gmel.) Angst., var. **angustisegmentum** Pease & Moore. Lance-leaved Grape Fern. Cool open woods; rare. July. Burlington, (Ross).
- B. obliquum** Muhl. Grape Fern. Moist sandy soil; occasional. Sept. Var. **DISSECTUM** (Spreng.) Clute. Occasional. Sept.
- B. ramosum** (Roth) Aschers. Rich woods; rare. July. Burlington, (Ross); Colchester, (Griffin).
- B. simplex** Hitchc. Little Grape Fern. Moist pastures; rare. June, July. Burlington, (N. F. F., Ross).
- B. ternatum** (Thunb.) Sw., var. **intermedium** Eaton. Ternate Grape Fern. Sandy soil; rare. Sept. Burlington, (N. F. F., Ross). Var. **RUTAEOFOLIUM** (A. Br.) Eaton. Rare. Sept. Burlington, (Gilbert).
- B. virginianum** (L.) Sw. Rattlesnake Fern. Rich woods; frequent and variable in size. June, July.

OPHIOGLOSSUM (Tourn.) L. ADDER'S TONGUE

- O. vulgatum** L. Moist pastures; rare. June, July. Burlington, (N. F. F.); Colchester, (Ross).

EQUISETACEAE. HORSETAIL FAMILY

EQUISETUM (Tourn.) L. HORSETAIL

- E. arvense** L. Common Horsetail. Moist gravelly soil; common. Fertile Apr., May; sterile June.
- E. fluviatile** L. Pipes. Shallow water with muddy bottom; common. Fertile June; sterile July. A form occurs the branches of which bear numerous small spikes; Burlington, (N. F. F.).
- E. hyemale** L., var. **affine** (Engelm.) Eaton. Common Scouring Rush. Moist gravelly banks; common. May-Sept.

- E. hyemale** L., var. **intermedium** Eaton. Scouring Rush. Moist sandy soil; rare. May-Aug. Burlington, (Howe).
- E. litorale** Kuhl. Shore Horsetail. Gravelly shores of Lake Champlain; rare. May, June. Burlington, (Grout and Jones).
- E. palustre** L. Marsh Horsetail. Wet sandy shore of Lake Champlain; rare. June, July. Burlington, (Grout and Jones).
- E. scirpoides** Michx. Cool moist woods; occasional. May, June.
- E. sylvaticum** L. Wood Horsetail. Moist shady places; frequent. Fertile May; sterile June.
- E. variegatum** Schleich. Gravelly shores of Lake Champlain; rare. May, June. Burlington, (Eggleston and Grout, N. F. F.); Colchester, (Sprague).

LYCOPODIACEAE. CLUB MOSS FAMILY

LYCOPODIUM (Rupp.) L. CLUB MOSS

- L. annotinum** L. Stiff Club Moss. Cold woods; rare. July, Aug. Burlington, (Grout).
- L. clavatum** L. Common Club Moss. Dry woods; common. Aug., Sept.
- L. complanatum** L., var. **flabelliforme** Fern. Ground Pine. Dry woods; frequent. Sept.
- L. inundatum** L. Bog Club Moss. In sphagnum; rare. Aug., Sept. Williston, (Pringle); South Burlington, (Ross); Colchester and Burlington, (N. F. F.).
- L. lucidulum** Michx. Shining Club Moss. Cold damp woods; frequent. Sept.
- L. obscurum** L. Tree Club Moss. Moist woods; rare. Sept. South Burlington, (Hood).
- L. obscurum** L., var. **dendroideum** (Michx.) Eaton. Common Tree Club Moss. Moist woods; common. Sept.
- L. tristachyum** Pursh. Ground Pine. Dry sandy soil; rare. July, Aug. Colchester and Essex, (Hazen).

SELAGINELLACEAE

SELAGINELLA Beauv.

- S. rupestris* (L.) Spring. Rock Selaginella. Dry exposed rocks; occasional. Aug., Sept.

SPERMATOPHYTA

Seed-Plants, Phanerogamia, or Flowering Plants

TAXACEAE. YEW FAMILY

TAXUS (Tourn.) L. YEW

- T. canadensis* Marsh. American Yew, Ground Hemlock. Moist banks; frequent. Apr., May.

PINACEAE. PINE FAMILY

ABIES (Tourn.) Hill. FIR

- A. balsamea* (L.) Mill. Balsam or Balm-of-Gilead Fir. Damp woods; rare. May. Burlington and South Burlington, (Hubbard); Essex, (Jones).

JUNIPERUS (Tourn.) L. JUNIPER

- J. communis* L., var. *depressa* Pursh. Common Juniper. Dry sterile hills; frequent. Apr., May.
- J. virginiana* L. Red Cedar or Savin. Dry rocky hills; frequent. May.

LARIX (Tourn.) Mill. LARCH

- L. laricina* (Du Roi) Koch. American or Black Larch, Tamarack, Hackmatack. Cold swamps; common. May.

PICEA Link. SPRUCE

- P. canadensis* (Mill.) BSP. White or Cat Spruce. A few trees at one station, Colchester, (Griffin); Essex, (Howe). May.
- P. mariana* (Mill.) BSP. Bog or Black Spruce. Sphagnum swamps; common. May.

P. rubra (Du Roi) Dietr. Red Spruce. Frequent in deep ravines about Burlington, (Howe), but rare elsewhere. May. South Burlington, (Hubbard).

PINUS (Tourn.) L. PINE

- P. resinosa** Ait. Red or Norway Pine. Dry woods; frequent. May, June.
- P. rigida** Mill. Pitch Pine. Barren sandy soil; common. May, June.
- P. Strobus** L. White Pine. Common. June.

THUJA L. ARBOR VITAE

T. occidentalis L. Arbor Vitae, White Cedar. Swamps and rocky banks; common. Apr., May.

TSUGA (Endl.) Carr. HEMLOCK

T. canadensis (L.) Carr. Swamps and rocky woods; common. May.

TYPHACEAE. CAT-TAIL FAMILY

TYPHA (Tourn.) L. CAT-TAIL FLAG

- T. angustifolia** L. Narrow-leaved Cat-tail. Marshes; rare. July. Burlington, (N. F. F.); Colchester, (Griffin).
- T. latifolia** L. Common Cat-tail. Marshes; common. July.

SPARGANIACEAE. BUR-REED FAMILY

SPARGANIUM (Tourn.) L. BUR-REED

- S. americanum** Nutt. Muddy shores; rare. July, Aug. Burlington, (N. F. F.).
- S. diversifolium** Graeb. Muddy shores; rare. July, Aug. Colchester, (N. F. F.).
- S. eurycarpum** Engelm. Broad-fruited Bur-reed. Borders of ponds and rivers; frequent. July, Aug.

NAJADACEAE. PONDWEED FAMILY

NAJAS L. NAIAD

N. flexilis (Willd.) Rostk. & Schmidt. Ponds and slow streams; common. July-Sept.

POTAMOGETON (Tourn.) L. PONDWEED

- P. americanus* C. & S. Mouth of Winooski River, (Grout and Tracy). July, Aug.
- P. amplifolius* Tuck. Large-leaved Pondweed. Shelburne Pond, (Jones); Colchester, (Griffin). July, Aug.
- P. CRISPUS* L. Malletts Bay, (Griffin). July, Aug.
- P. dimorphus* Raf. Ponds and slow streams; frequent. July, Aug.
- P. epiphydrus* Raf. Still or flowing water; frequent. July, Aug.
- P. foliosus* Raf. Still or flowing water; rare. July, Aug. Burlington and Colchester, (N. F. F.).
- P. Friesii* Rupr. Shelburne Pond, (Pringle). Aug., Sept.
- P. heterophyllus* Schreb. Mouth of Winooski River, (Grout and Tracy, Howe); Malletts Bay, (N. F. F.). July, Aug. Forma TERRESTRIS Schlecht. Exsiccated place, Burlington, (N. F. F.).
- P. natans* L. Common Pondweed. Shelburne Pond, (Jones); Malletts Bay, (Griffin). July, Aug.
- P. pectinatus* L. Malletts Bay, (Griffin). July-Sept.
- P. perfoliatus* L. Slow streams and shallow waters of Lake Champlain; frequent. Sept.
- P. praelongus* Wulf. Shelburne Pond, (Pringle); Burlington, (N. F. F.). July.
- P. pusillus* L. Malletts Bay, (Griffin). Aug.
- P. pusillus* L., var. *Sturrockii* Benn. Malletts Bay, (Griffin). Aug.
- P. Richardsonii* (Benn.) Rydb. Quiet waters; occasional. July, Aug. Malletts Bay, (Griffin); Burlington, (N. F. F.).
- P. Robbinsii* Oakes. Shelburne Pond, (Jones). July, Aug.
- P. zosterifolius* Schum. Shelburne Pond, (Grout and Tracy, Jones); Malletts Bay, (Griffin). July, Aug.

JUNCAGINACEAE. ARROW GRASS FAMILY

SCHEUCHZERIA L.

- S. palustris* L. Peat bogs; rare. June. Colchester, (Torrey, Jones).

ALISMACEAE. WATER PLANTAIN FAMILY

ALISMA L. WATER PLANTAIN

- A. Plantago-aquatica* L. Swales; common. July, Aug.

SAGITTARIA L. ARROW-HEAD

- S. graminea* Michx. Muddy shores of Lake Champlain and Winooski River; rare. July, Aug. Colchester, (Perkins, Griffin); Burlington, (N. F. F.).

- S. heterophylla* Pursh. Low muddy shores; occasional. July, Aug.

- S. latifolia* Willd. Wet places; common and presenting many different forms. Aug., Sept.

HYDROCHARITACEAE. FROG'S BIT FAMILY

ELODEA Michx. WATER-WEED

- E. canadensis* Michx. Slow streams and ponds; frequent. Aug.

VALLISNERIA (Mich.) L. TAPE GRASS. EEL GRASS

- V. spiralis* L. Slow water; frequent. Aug., Sept.

GRAMINEAE. GRASS FAMILY

AGROPYRON Gaertn.

- A. caninum* (L.) Beauv. Awned Wheat Grass. Ledges at Winooski Gorge, Colchester, (Jones). July, Aug.

- A. REPENS* (L.) Beauv. Couch, Quitch, or Quick Grass. Fields: common. June-Aug.

- A. tenerum* Vasey. Slender Wheat Grass. Dry warm rocky woodlands and ledges; frequent. July, Aug.

AGROSTIS L. BENT GRASS

- A. alba** L. Fiorin or White Bent Grass. Moist places; common and extremely variable. July. Var. *VULGARIS* (With.) Thurb. Red Top. Fields and roadsides; common. July. Variable and intergrading with the species. A stoloniferous form (*A. stolonifera* auth. not L.) occurs in lawns, Burlington, (Jones). A small form occurs in cool pastures, sometimes having flowering glume awned; Burlington, (Jones).
- A. hyemalis** (Walt.) BSP. Hair Grass. Dry ditches and other exsiccated places; common. June-Aug.
- A. perennans** (Walt.) Tuck. Thin Grass. Moist shaded places; frequent. Aug., Sept.

ALOPECURUS L. FOXTAIL GRASS

- A. geniculatus** L., var. *aristulatus* Torr. Floating Foxtail Grass. Wet meadows; occasional. June, July. South Burlington, (Hinsdale); Burlington and Colchester, (Jones).
- A. PRATENSIS** L. Meadow Foxtail Grass. Introduced in fields. May, June. Burlington, (Jones).

ANDROPOGON (Royer) L. BEARD GRASS

- A. furcatus** Muhl. Forked Beard Grass. Dry rocky river banks; occasional. Aug., Sept.
- A. scoparius** Michx. Broom Beard Grass. Dry sterile soil; occasional. Aug., Sept.

ANTHOXANTHUM L. SWEET VERNAL GRASS

- A. ODORATUM** L. Old meadows and roadsides; occasional. May-July.

ARISTIDA L. TRIPLE-AWNED GRASS

- A. dichotoma** Michx. Poverty Grass. Sterile gravelly soil; rare. Aug., Sept. Essex, (N. F. F.).

ARRHENATHERUM Beauv. OAT GRASS

- A. ELATIUS** (L.) Beauv. Tall Oat Grass. Meadows; rare. June, July. Burlington, (Jones).

BRACHYELYTRUM Beauv.

- B. erectum** (Schreb.) Beauv. Moist shaded places; frequent. July, Aug.

BROMUS L. BROME GRASS

- B. ciliatus** L. Wood Chess. Moist thickets; common. July, Aug.
B. INERMIS Leyss. Hungarian Brome Grass. Adventive in meadows, Experiment Farm, Burlington, (Orton); Colchester, (Griffin). July.
B. Kalmii Gray. Wild Chess. Dry woodlands; occasional. June, July.
B. purgans L. Thickets; frequent. July, Aug.
B. SECALINUS L. Cheat or Chess. Fields and waste places; occasional. June-Aug.

CALAMAGROSTIS Adans. REED BENT GRASS

- C. canadensis** (Michx.) Beauv. Blue-joint Grass. Marshes and wet places; common. June, July.

CENCHRUS L. SANDBUR. BUR GRASS

- C. CAROLINIANUS** Walt. Dry sandy soil; local. Aug., Sept. Colchester and Burlington, (N. F. F.); Essex, (Griffin). Evidently a recent introduction.

CINNA L. WOOD REED GRASS

- C. arundinacea** L. Wood Reed Grass. Moist woods; rare. Aug., Sept. South Burlington, (Jones).
C. latifolia (Trev.) Griseb. Slender Wood Reed Grass. Moist woods; rare. Aug., Sept. Burlington, (N. F. F.).

DACTYLIS L. ORCHARD GRASS

- D. GLOMERATA** L. Fields, generally in partial shade; common. June, July. A proliferous form occurs, Burlington, (Jones, Morse).

DANTHONIA DC. WILD OAT GRASS

- D. compressa** Aust. Dry woods; rare. June, July. South Burlington, (Jones).
D. spicata (L.) Beauv. Common Wild Oat Grass. Dry sterile soil; common. June, July.

DESCHAMPSIA Beauv.

- D. flexuosa** (L.) Trin. Common Hair Grass. Dry places; common. June, July.

DIGITARIA Scop. FINGER GRASS

- D. HUMIFUSA** Pers. Small Crab Grass. Occasional in sandy fields, more frequent as a lawn weed. Aug., Sept.
- D. SANGUINALIS** (L.) Scop. Large Crab Grass. Cultivated fields and waste places; common. Aug., Sept.

ECHINOCHLOA Beauv.

- E. CRUSGALLI** (L.) Beauv. Barnyard Grass. Moist ground, waste places, etc.; common. Aug.-Oct. Presenting many differing forms; viz.: long awned, short awned, semi-prostrate, erect, etc.

ELYMUS L. WILD RYE. LYME GRASS

- E. canadensis** L. Nodding Wild Rye. Low thickets and river banks; common. July, Aug. Var. **GLAUCIFOLIUS** (Muhl.) Gray. Dry banks; occasional. July, Aug.
- E. robustus** Scribn. & Sm. Burlington, (Jones). July, Aug.
- E. striatus** Willd. Slender Wild Rye. Ledges of Winooski River, (Pringle). July, Aug.
- E. virginicus** L. Wild Rye. Moist thickets of river banks; frequent. July, Aug.

ERAGROSTIS Beauv.

- E. hypnoides** (Lam.) BSP. Creeping Eragrostis. Gravelly or sandy shores; frequent. Aug., Sept.
- E. MEGASTACHYA** (Koeler) Link. Strong-scented Eragrostis. Waste places; becoming frequent. July-Sept.
- E. PILOSA** (L.) Beauv. Sandy soil, especially along railroads; rare. July-Sept. Burlington, (Priest, N. F. F.).

FESTUCA L. FESCUE GRASS

- F. ELATIOR** L. Taller or Meadow Fescue. Meadows and roadsides; common. June, July.
- F. nutans** Spreng. Nodding Fescue. Rocky woods; frequent. June, July.
- F. OVINA** L. Sheep's Fescue. Introduced in lawn, South Burlington, (Jones). June, July.
- F. rubra** L. Red Fescue. Rocky or sandy shores of Lake Champlain; occasional. June, July. Var. **SUBVILLOSA** Mert. & Koch. Adventive in lawn, South Burlington, (Jones). July.

GLYCERIA R. BR. MANNA GRASS

- G. borealis** (Nash) Batch. Floating Manna Grass. Wet places or in shallow water; frequent. June-Aug.
- G. canadensis** (Michx.) Trin. Rattlesnake Grass. Wet places; common. July.
- G. grandis** Wats. Reed Meadow Grass. Wet soil; common. July.
- G. nervata** (Willd.) Trin. Manna Grass. Wet meadows; common. June, July.
- G. pallida** (Torr.) Trin. Pale Manna Grass. Shallow water or wet soil; occasional. June-Aug.
- G. Torreyana** (Spreng.) Hitchc. Wet woods; occasional. July, Aug.

HIEROCHLOE (Gmel.) R. BR. HOLY GRASS

- H. odorata** (L.) Wahlenb. Vanilla or Seneca Grass. Moist meadows; occasional. May, June.

HORDEUM (Tourn.) L. BARLEY

- H. AEGICERAS** Nees. Egyptian Barley. Adventive in railroad yards, Burlington, (Jones, N. F. F.). July, Aug.
- H. JUBATUM** L. Squirrel-tail Grass. Waste ground; occasional. June-Aug.

HYSTRIX Moench. BOTTLE-BRUSH GRASS

- H. patula** Moench. Moist woods; occasional. June, July.

LEERSIA Sw. CUT-GRASS. WHITE GRASS

- L. oryzoides** (L.) Sw. Rice Cut-grass. Wet places; frequent. Aug., Sept.
- L. virginica** Willd. White Grass. Wet woods; occasional. Aug.

LOLIUM L. DARNEL

- L. PERENNE** L. Common Darnel, Perennial Ray or Rye Grass. Adventive by roadsides and in meadows; occasional. June, July.
- L. TEMULENTUM** L. Bearded Darnel. Adventive in fields: rare. June, July. Essex, (Wild); Burlington, (Jones).

MELICA L. MELIC GRASS

- M. striata** (Michx.) Hitchc. Purple Oat. Rocky woods; frequent. May, June.

MUHLENBERGIA Schreb.

- M. mexicana* (L.) Trin. Meadow Muhlenbergia. Moist meadows and banks; common. Aug., Sept. Variable.
- M. racemosa* (Michx.) BSP. Marsh Muhlenbergia. Wet rocks and marshy places; frequent and variable. Aug., Sept.
- M. Schreberi* Gmel. Drop-seed, Nimble Will. In shaded yard, Burlington, (Jones). Aug., Sept.
- M. tenuiflora* (Willd.) BSP. Slender Muhlenbergia. Rocky woods; rare. Aug., Sept. Colchester, (Jones).

ORYZOPSIS Michx. MOUNTAIN RICE

- O. asperifolia* Michx. White-grained Mountain Rice. Woods; common. June.
- O. pungens* (Torr.) Hitchc. Slender Mountain Rice. Dry sandy soil; frequent. Apr., May.
- O. racemosa* (Sm.) Ricker. Black-fruited Mountain Rice. Rocky woods; frequent. July, Aug.

PANICUM L. PANIC GRASS

- P. barbulatorum* Michx. Rocky woods and hillsides; rare. July. Colchester, (Jones).
- P. capillare* L. Old-witch Grass. A common weed in sandy fields. Aug., Sept.
- P. clandestinum* L. Moist thickets; frequent. June, July.
- P. depauperatum* Muhl. Dry woods and fields; occasional. June-Aug.
- P. dichotomum* L. Woods; rare. June, July. Burlington, (Jones).
- P. huachucae* Ashe. Open ground; frequent. June, July.
- P. huachucae* Ashe, var. *silvicola* Hitchc. & Chase. Woods; occasional. June, July.
- P. implicatum* Scribn. Wet meadows; frequent. June, July.
- P. latifolium* L. Woodlands; frequent. June, July.
- P. MILIACEUM* L. European Millet. Waste places; rare. July, Aug. Burlington, (Brainerd, Jones).
- P. subvillosum* Ashe. Dry woods and sandy ground. June, July. Burlington, (Jones).

- P. tennesseense** Ashe. Moist ground; rare. June, July. Burlington. (N. F. F.).
- P. tsugetorum** Nash. Sandy soil; frequent. June, July.
- P. Wernerii** Scribn. Sterile woods and knolls; rare. June-Aug. Burlington and Colchester, (Jones).
- P. xanthophysum** Gray. Dry sandy soil; frequent. July, Aug. A broad-leaved form occurs, Burlington, (Jones).

PHALARIS L. CANARY GRASS

- P. arundinacea** L. Reed Canary Grass. Wet grounds; occasional. June, July. Var. **PICTA** L. Ribbon Grass. Persistent in old gardens and an occasional escape to roadsides. July.
- P. CANARIENSIS** L. Canary Grass. Waste places; occasional, but probably only as seed is scattered from bird cages. June-Sept.

PHLEUM L.

- P. PRATENSE** L. Timothy, Herd's Grass. Meadows; common. June, July. Proliferous forms and plants bearing bulblets in the upper leaf axils occur, Burlington, (Jones). (See Vt. Exp. Sta. Bull. 95.)

PHRAGMITES Trin. REED

- P. communis** Trin. Wild Broom Corn. Swampy margins of ponds and lakes; occasional. Aug., Sept.

POA L. MEADOW GRASS. SPEAR GRASS

- P. alsodes** Gray. Grove Spear Grass. Moist woods; frequent. May, June.
- P. ANNUA** L. Low Spear Grass. Waysides and fields; common. Apr.-Sept.
- P. COMPRESSA** L. Canada Blue Grass, Wire Grass. Dry fields and woodlands; common. May-Sept.
- P. debilis** Torr. Weak Spear Grass. Dry rocky woodlands; frequent. May, June.
- P. nemoralis** L. Rocky woodlands; occasional. June-Sept.
- P. pratensis** L. June Grass, Spear Grass, Kentucky Blue Grass. Fields and meadows; common. May, June.
- P. triflora** Gilib. Fowl Meadow Grass. Wet soil; common. July, Aug. The form known in Europe as **P. FERTILIS** Reich. occurs, Burlington, (Jones), probably introduced.

SETARIA Beauv. BRISTLY FOXTAIL GRASS

- S. GLAUCA* (L.) Beauv. Yellow Foxtail, Pigeon Grass. Cultivated grounds and waste places; common. July-Sept.
- S. ITALICA* (L.) Beauv. Millet, German Millet, Hungarian Grass. Occasionally spontaneous in cultivated ground. Aug., Sept.
- S. VERTICILLATA* (L.) Beauv. Rough Foxtail Grass. Persistent in old garden, Burlington, (Jones). July, Aug.
- S. VIRIDIS* (L.) Beauv. Green Foxtail, Bottle Grass. Cultivated grounds and waste places; common. July-Sept.

SORGHASTRUM Nash.

- S. nutans* (L.) Nash. Indian Grass, Wood Grass. Dry sandy soil; occasional. Aug., Sept.

SPARTINA Schreb. CORD OR MARSH GRASS

- S. Michauxiana* Hitchc. Slough Grass. Shores of Lake Champlain and its tributaries; frequent. Aug., Sept.

SPHENOPHOLIS Scribn.

- S. nitida* (Spreng.) Scribn. Woods; rare. June. Colchester, (Torrey).
- S. pallens* (Spreng.) Scribn. Marshes; occasional. June, July.

SPOROBOLUS R. Br. DROP-SEED. RUSH GRASS

- S. vaginiflorus* (Torr.) Wood. Dry soil; occasional and variable. Sept.

TRisetum Pers.

- T. melicoides* (Michx.) Vasey. One form occurs. Var. *MAJUS* (Gray) Hitchc. Rocky banks of Winooski River, Colchester and Williston, (Pringle); Essex, (Jones). July.
- T. spicatum* (L.) Richter. Narrow False Oat. Rocky banks; occasional. June.

ZIZANIA (Gronov.) L. WATER OR INDIAN RICE

- Z. aquatica* L. Wild Rice, Water Oats. In shallow water; occasional. Aug., Sept.

HORDEUM SATIVUM Jessen, Barley, *SECALE CEREALE* L., Rye, *TRITICUM SATIVUM* Lam., Wheat and *ZEA MAYS* L., Indian Corn are occasional in waste places.

CYPERACEAE. SEDGE FAMILY

CAREX (Rupp.) L. SEDGE

- C. albicans** Willd. Dry shady ledges; common. June, July.
- C. alopecoidea** Tuckerm. Wet meadows; rare. June, July. Burlington, (Hazen).
- C. arctata** Boott. Moist woodlands; common. May, June.
- C. aurea** Nutt. Moist meadows and springy banks; frequent. June, July.
- C. Bebbii** Olney. Low ground; rare. June, July. Burlington, (Hazen).
- C. bromoides** Schkuhr. Bogs and swamps; frequent. June, July.
- C. brunnescens** Poir. Open woods and dry rocky banks; rare. June, July. Colchester, (Griffin).
- C. canescens** L., var. *disjuncta* Fern. Wet places; occasional. June, July.
- C. castanea** Wahlenb. Low meadows; rare. June, July. Williston. (N. F. F.).
- C. cephaloidea** Dewey. Moist woodlands; rare. June, July. South Burlington, (Hazen).
- C. cephalophora** Muhl. Dry woods; frequent. June, July.
- C. chordorrhiza** L. f. Cold bogs; rare. June, July. Colchester, (Jones, Grout).
- C. communis** Bailey. Dry open woods; common. May, June.
- C. comosa** Boott. Swamps; occasional. June, July.
- C. conoidea** Schkuhr. Moist grassy places; occasional. June, July.
- C. Crawfordii** Fern. Open sterile soil; frequent. June-Aug. Var. *VIGENS* Fern. Burlington, (Hazen). July.
- C. erinita** Lam. Swales and along brooks; common. June, July.
- C. erinita** Lam., var. *gynandra* (Schwein.) Schwein. & Torr. Same situations as the type; frequent. June, July.
- C. erinita** Lam., var. *minor* Boott. Rare. June, July. Burlington, (Hazen).
- C. cristata** Schwein. Wet grounds; occasional. June, July.

- C. debilis* Michx., var. **Rudgei** Bailey. Moist sterile soil; rare. June, July. Colchester, (Hazen).
- C. Deweyana* Schwein. Dry woodlands; common. June, July.
- C. diandra* Schrank. Bogs; rare. June, July. South Burlington, (Hazen).
- C. digitalis* Willd. Dry open woods; rare. June, July. Burlington, (Hazen).
- C. eburnea* Boott. Dry shaded limestone; common. May-July.
- C. festucacea* Schkuhr. Dry or rocky soil; rare. June, July. Burlington, (N. F. F.).
- C. filiformis* L. Bogs and shallow water; occasional. June, July.
- C. flava* L. Damp places; rare. June, July. Williston, (N. F. F.).
- C. foenea* Willd. Dry woods and banks; rare. July. Colchester, (Griffin).
- C. folliculata* L. Wet woods; rare. June-Aug. Burlington, (N. F. F.).
- C. formosa* Dewey. Moist meadows; rare. June. Shelburne, (N. F. F.).
- C. gracillima* Schwein. Low meadows; common. June, July.
- C. granularis* Muhl. Moist meadows; common. June, July.
- C. granularis* Muhl., var. **Haleana** (Olney) Porter. Burlington, (Hazen). June, July.
- C. grisea* Wahlenb. Low meadows; rare. June. South Burlington, (N. F. F.).
- C. Houghtonii* Torr. Dry sandy banks; rare. June, July. Burlington, (N. F. F.).
- C. hystericina* Muhl. Swales; common. June, July.
- C. intumescens* Rudge. Swamps and wet woods; occasional. June-Aug.
- C. intumescens* Rudge, var. **Fernaldii** Bailey. Same situations as the type; occasional. June-Aug.
- C. laxiflora* Lam. Rich woods and meadows; occasional. May, June.
- C. laxiflora* Lam., var. **patulifolia** (Dewey) Carey. Burlington, (Jones). May, June.
- C. lenticularis* Michx. Gravelly or sandy shores; rare. June-Aug. Shelburne, (Pringle).
- C. leptalea* Wahlenb. Bogs and wet meadows; occasional. June, July.

- C. limosa* L. Bogs; rare. June, July. Colchester and South Burlington, (Hazen).
- C. longirostris* Torr. Rocky woods; rare. May, June. South Burlington, (Jones and Hazen); Colchester, (Griffin).
- C. lupuliformis* Sartw. Marshes along Lake Champlain; occasional. July, Aug.
- C. lupulina* Muhl. Swamps and ditches; common. July, Aug.
- C. lupulina* Muhl., var. *pedunculata* Dewey. Swamps; rare. July, Aug. Burlington, (Hazen).
- C. lurida* Wahlenb. Wet meadows; common. July, Aug. Very variable.
- C. mirabilis* Dewey. Moist shady places; occasional. June, July.
- C. Muhlenbergii* Schkuhr. Dry sandy soil; rare. June, July. Colchester, (Brainerd and Hazen).
- C. Oederi* Retz., var. *pumila* (Coss. & Germ.) Fern. Shore of Lake Champlain, Shelburne, (Ross). June, July.
- C. pallescens* L. Low meadows; common. June, July.
- C. pauciflora* Lightf. Cold bogs; rare. June, July. Colchester, (Hazen).
- C. paupercula* Michx., var. *irrigua* (Wahlenb.) Fern. Cold bogs; occasional. June-Aug.
- C. pedunculata* Muhl. Rich woods; frequent. May.
- C. pennsylvanica* Lam. Dry sandy soil; common. May, June.
- C. pennsylvanica* Lam., var. *lucorum* (Willd.) Fern. Richer damper soil than the type. May, June. Burlington, (Brainerd).
- C. plantaginea* Lam. Rich woods; frequent. May.
- C. platyphylla* Carey. Shady banks; common. May, June.
- C. prasina* Wahlenb. Springy bogs in woods; occasional. June, July.
- C. pubescens* Muhl. Copses and rich woods; rare. May, June. South Burlington, (Shaw).
- C. retrorsa* Schwein. Swamps; common. June, July.
- C. riparia* Curtis. Swales; occasional. June, July.
- C. rosea* Schkuhr. Dry open woods; frequent. June, July.
- C. rostrata* Stokes, var. *utriculata* (Boott) Bailey. Wet swamps; occasional. June, July.

- C. scabrata* Schwein. Springy bogs in woods; frequent. June, July.
- C. scirpoides* Schkuhr. Boggy meadows; frequent. June, July.
- C. scoparia* Schkuhr. Low grounds; common. June, July. Var. *CONDENSA* Fern. Colchester, (Hazen). June, July. Var. *MONILIFORMIS* Tuck. Burlington, (Hazen). June, July.
- C. siccata* Dewey. Sandy shore of Lake Champlain; rare. June, July. Burlington, (Hazen).
- C. sparganioides* Muhl. Rich woods; occasional. June, July.
- C. stellulata* Good. Low open ground; frequent. June, July.
- C. stellulata* Good., var. *angustata* Carey. Wet ground; rare. June, July. South Burlington, (N. F. F.).
- C. stellulata* Good., var. *excelsior* (Bailey) Fern. Low open ground; frequent. June, July.
- C. stipata* Muhl. Swales; common. June, July.
- C. straminea* Willd. Dryish copses and fields; frequent. June, July.
- C. straminea* Willd., var. *echinodes* Fern. Moist sandy soil, Burlington, (Brainerd). July.
- C. stricta* Lam. Swales and marshes; frequent. June, July.
- C. tenella* Schkuhr. Cold swamps; occasional. May, June.
- C. tenuiflora* Wahlenb. Bogs; rare. June, July. Burlington, (Robbins).
- C. torta* Boott. By streams; rare. June. Colchester, (Griffin).
- C. tribuloides* Wahlenb. Open swales; frequent. July, Aug.
- C. tribuloides* Wahlenb., var. *reducta* Bailey. Moist copses; frequent. July, Aug.
- C. trisperma* Dewey. Cold bogs in shade; occasional. June, July.
- C. Tuckermani* Dewey. Swales and marshes; frequent. June, July.
- C. typhinoides* Schwein. (*C. typhina* Michx.) Low margin of Lake Champlain, Burlington, (N. F. F.). July, Aug.
- C. umbellata* Schkuhr. Dry sandy soil; occasional. May, June.
- C. varia* Muhl. Dry woods; rare. May, June. Colchester, (Brainerd and Jones); Burlington, (Pringle).
- C. vesicaria* L. Two forms occur. Var. *JEJUNA* Fern. Swales; rare. June, July. Burlington, (Hazen). Var. *MONILE* (Tuck.) Fern. Swales; common. June, July.

C. vulpinoidea Michx. Moist pastures; common. June, July.

CYPERUS (Tourn.) L. GALINGALE

C. aristatus Rottb. Awned Cyperus. Wet sandy soil; frequent. Aug., Sept.

C. dentatus Torr. Sandy shores of Lake Champlain; rare. Aug., Sept. Shelburne, (Pringle); Burlington and Colchester, (N. F. F.). Spikelets often abortive and changed into leafy tufts.

C. esculentus L. Yellow Nut Grass. Lake shore and river banks; occasional. Aug., Sept.

C. filiculmis Vahl, var. *macilentus* Fern. Dry sandy soil; common. July, Aug.

C. Houghtonii Torr. On dry shifting sand, Colchester, (N. F. F.). Aug., Sept.

C. rivularis Kunth. Shining Cyperus. Lake shore and river banks; frequent. Aug., Sept.

C. strigosus L. Straw-colored Cyperus. Moist soil; frequent. July-Sept.

DULICHIMUM Pers.

D. arundinaceum (L.) Britton. Borders of ponds; occasional. July-Sept.

ELEOCHARIS R. Br. SPIKE RUSH

E. acicularis (L.) R. & S. Muddy shores below high water mark; common. July-Sept.

E. diandra Wright. Wet sands of Winooski River; rare. Sept., Oct. Burlington, (Brainerd, N. F. F.).

E. intermedia (Muhl.) Schultes. Bank of Winooski River, Burlington, (Brainerd, N. F. F.). Sept., Oct.

E. obtusa (Willd.) Schultes. Muddy places; common. July-Sept.

E. palustris (L.) R. & S. Wet ground; frequent. June-Aug. Var. *GLAUDESCENS* (Willd.) Gray. Moist grassy places; frequent. July, Aug. Var. *VIGENS* Bailey. (Var. *major* Sonder) Mouth of Winooski River, (Grout, Brainerd). July, Aug.

E. tenuis (Willd.) Schultes. Wet meadows; rare. June-Aug. South Burlington, (N. F. F.).

ERIOPHORUM L. COTTON GRASS

- E. callitrix* Cham. Hare's Tail. Peat bogs; frequent. May, June.
E. tenellum Nutt. Swamps and bogs; rare. July, Aug. Colchester, (N. F. F.).
E. virginicum L. Cotton Grass. Bogs and wet meadows; common. Aug., Sept.
E. viridi-carinatum (Engelm.) Fern. Bogs; frequent. June, July.

RYNCHOSPORA Vahl. BEAK RUSH

- R. alba* (L.) Vahl. White Beak Rush. Bogs; frequent. July-Sept.
R. fusca (L.) Ait. f. Brown Beak Rush. Burlington, (Torrey). July-Sept. One specimen in U. V. M. Herb.

SCIRPUS (Tourn.) L. BULRUSH or CLUB RUSH

- S. americanus* Pers. Chair-maker's Rush. Sandy shores of Lake Champlain; frequent. July-Sept.
S. atrocinctus Fern. Wet meadows; occasional. July. Var. *BRACHYPODUS* Fern. Rare. July. Colchester, (N. F. F.).
S. atrovirens Muhl. Moist meadows; common. July, Aug.
S. cyperinus (L.) Kunth. Wool Grass. Wet meadows; common. Aug., Sept.
S. fluviatilis (Torr.) Gray. River Bulrush. Marshy borders of bays and tributaries of Lake Champlain; occasional. July-Sept.
S. georgianus Harper. Moist meadows; frequent. July, Aug. Proliferous forms occur, Burlington and Colchester, (N. F. F.).
S. heterochaetus Chase. Sheltered shores; frequent. July, Aug.
S. pedicellatus Fern. Swales; frequent. July, Aug.
S. rubrotinctus Fern. Wet meadows; frequent. July, Aug.
S. Smithii Gray. Shores of Lake Champlain. Aug. Abundant at one station, Burlington, (Grout and Tracy).
S. validus Vahl. Great Bulrush. In shallow water; frequent. July, Aug.

ARACEAE. ARUM FAMILY

ACORUS L. SWEET FLAG. CALAMUS

A. Calamus L. Marshes; common. June.

ARISAEMA Martius. INDIAN TURNIP. DRAGON ARUM

A. triphyllum (L.) Schott. Indian or Wild Turnip, Jack-in-the-Pulpit. Rich moist woods; common. Apr., May. Spathes, petioles and sheaths vary in color from pale green to dark purple with whitish stripes or spots.

CALLA L. WATER ARUM

C. palustris L. Wild Calla. Bogs and marshes; frequent. May, June.

SYMPLOCARPUS Salisb. SKUNK CABBAGE

S. foetidus (L.) Nutt. Wet places; common. Apr., May.

LEMNACEAE. DUCKWEED FAMILY

LEMNA L. DUCKWEED. DUCK'S MEAT

L. minor L. Lesser Duckweed. Stagnant water; frequent. Not found in flower.

L. trisulca L. Ivy-leaved Duckweed. Ponds; occasional. Not found in flower.

SPIRODELA Schleid.

S. polyrhiza (L.) Schleid. Greater Duckweed. Stagnant water; frequent. Not found in flower.

ERIOCAULACEAE. PIPEWORT FAMILY

ERIOCAULON (Gronov.) L. PIPEWORT

E. articulatum (Huds.) Morong. (*E. septangulare* With.) Border of Lake Champlain, Colchester, (N. F. F., Griffin). Aug., Sept.

PONTEDERIACEAE. PICKEREL-WEED FAMILY

HETERANTHERA R. & P. MUD PLANTAIN

- H. dubia* (Jacq.) MacM. Water Star Grass. Ponds and streams; rare. Aug. Mouth of Winooski River, (Grout and Tracy). A small form occurs on muddy shore, Burlington, (N. F. F.).

PONTEDERIA L. PICKEREL-WEED

- P. cordata* L. Borders of ponds and slow streams; frequent. July, Aug.

JUNCACEAE. RUSH FAMILY

JUNCUS (Tourn.) L. RUSH. BOG RUSH

- J. acuminatus* Michx. Sharp-fruited Rush. Wet meadows; rare. June-Aug. Essex, (Jones). This was a proliferous form of the species.
- J. alpinus* Vill., var. *insignis* Fries. Wet gravelly shores of Lake Champlain; rare. July, Aug. Shelburne, (Pringle); Burlington, (N. F. F.).
- J. articulatus* L. Jointed Rush. Wet grounds; rare. July, Aug. Essex, (Jones); Colchester, (N. F. F.).
- J. brevicaudatus* (Engelm.) Fern. Moist places; frequent. July-Sept.
- J. bufonius* L. Toad Rush. Low grounds; common. June-Sept.
- J. Dudleyi* Wiegand. Damp grounds; occasional. June-Sept.
- J. effusus* L. Bog Rush. Marshy grounds; common. July, Aug.
- J. nodosus* L. Knotted Rush. Swamps and gravelly banks; frequent. July, Aug.
- J. pelocarpus* Mey. Brownish-fruited Rush. Shores of Lake Champlain; rare. Aug., Sept. Shelburne, (Pringle); Colchester, (N. F. F.).
- J. tennis* Willd. Slender Rush. Fields; common and variable. June-Sept.

LUZULA DC. WOOD RUSH

- L. campestris* (L.) DC., var. *multiflora* (Ehrh.) Celak. Common Wood Rush. Meadows and open woods; frequent. May, June.
- L. saltuensis* Fern. Hairy Wood Rush. Woods and banks; frequent. May.

LILIACEAE. LILY FAMILY

ALLIUM (Tourn.) L. ONION. GARLIC

- A. tricoccum** Ait. Wild Leek. Rich woods; rare. June, July. Colchester, (Griffin).

ASPARAGUS (Tourn.) L. ASPARAGUS

- A. officinalis** L. Garden Asparagus. Roadside escape from gardens; frequent. June.

CLINTONIA Raf.

- C. borealis** (Ait.) Raf. Yellow Clintonia. Cool moist woods; common. May, June.

CONVALLARIA L. LILY OF THE VALLEY

- C. majalis** L. Persistent near old building site, Shelburne, (N. F. F.). May, June.

ERYTHRONIUM L. DOG'S-TOOTH VIOLET

- E. americanum** Ker. Yellow Adder's Tongue. Rich copses and woodlands; common. Apr., May.

HEMEROCALLIS L. DAY LILY

- H. fulva** L. Common Day Lily. Roadside escape from gardens; occasional. July.

LILIUM (Tourn.) L. LILY

- L. canadense** L. Meadow Lily, Wild Yellow Lily. Moist meadows; common. July.

- L. philadelphicum** L. Wood Lily, Wild Orange-red Lily. Sandy open woodlands; common. July.

- L. tigrinum** Ker. Tiger Lily. Roadside escape from gardens; rare. Aug. Burlington, (Miss Brown); Essex, (N. F. F.).

MAIANTHEMUM Wiggers.

- M. canadense** Desf. Two-leaved Solomon's Seal, Wild Lily of the Valley. Woods; common. May, June.

MEDEOLA (Gronov.) L. INDIAN CUCUMBER-ROOT

- M. virginiana** L. Rich moist woods; common. May, June.

OAKESIA Wats.

- O. sessilifolia** (L.) Wats. Sessile-leaved Bellwort. Moist woodlands; common. May, June.

POLYGONATUM (Tourn.) Hill. SOLOMON'S SEAL

- P. biflorum** (Walt.) Ell. Small Solomon's Seal. Wooded hillsides; common. May, June.

SMILACINA Desf. FALSE SOLOMON'S SEAL

- S. racemosa** (L.) Desf. False Spikenard. Moist copses; common. May, June.
- S. stellata** (L.) Desf. Star-flowered Solomon's Seal. Moist banks and meadows; frequent. May.
- S. trifolia** (L.) Desf. Three-leaved Solomon's Seal. Cold sphagnum swamps; occasional. June, July.

SMILAX (Tourn.) L. CAT BRIER. GREEN BRIER

- S. herbacea** L. Carrion-flower. River banks and moist thickets; occasional. June.

STREPTOPUS Michx. TWISTED-STALK

- S. roseus** Michx. Cold damp woods; frequent. May.

TRILLIUM L. WAKE ROBIN. BIRTHROOT

- T. cernuum** L. Nodding Trillium. Moist woods; rare. May. South Burlington, (Hood).
- T. erectum** L. Purple Trillium. Rich woods; frequent. May.
- T. grandiflorum** (Michx.) Salisb. White Trillium. Rich moist woods; common. May.
- T. undulatum** Willd. Painted Trillium. Cool moist woods; occasional. May.

UVULARIA L. BELLWORT

- U. grandiflora** Sm. Large-flowered Bellwort. Rich woods; frequent. Apr., May. A form occurs the leaves of which are variegated with white; Shelburne, (Mrs. Gebhardt).

VERATRUM (Tourn.) L. FALSE HELLEBORE

- V. viride** Ait. American White Hellebore, Indian Poke. Wet meadows and swamps; common. June.

IRIDACEAE. IRIS FAMILY

IRIS (Tourn.) L. FLEUR-DE-LIS

- I. PSEUDACORUS** L. Yellow Iris. A garden escape, bank of Winooski River, Essex; (Ross). June.
- I. versicolor** L. Wild Iris, Blue Flag. Wet meadows; common. June, July.

SISYRINCHIUM L. BLUE-EYED GRASS

- S. angustifolium** Mill. Meadows, fields and damp sandy soil; common. May, June.

ORCHIDACEAE. ORCHIS FAMILY

ARETHUSA (Gronov.) L.

- A. bulbosa** L. Sphagnum bogs; occasional. June. A white-flowered form occurs, South Burlington, (Howe).

CALOPOGON R. Br.

- C. pulchellus** (Sw.) R. Br. Grass Pink. Bogs; occasional. June, July.

CORALLORRHIZA (Haller) Chat. CORAL ROOT

- C. maculata** Raf. Large Coral Root. Woods; occasional. July, Aug.
- C. trifida** Chat. Early Coral Root. Swamps and damp woods; occasional. May, June.

CYPRIPEDIUM L. LADY'S SLIPPER. MOCCASIN FLOWER

- C. acaule** Ait. Stemless or Pink Lady's Slipper. Dry woods; frequent. May, June.
- C. arietinum** R. Br. Ram's Head Lady's Slipper. Occasional in rocky woods where it reaches great perfection, colonies of thirty-nine to fifty blossoms having been seen. May, June.
- C. hirsutum** Mill. Showy Lady's Slipper. Cold swamps; occasional. June, July.
- C. parviflorum** Salisb. Smaller Yellow Lady's Slipper. Bogs and low woods; rare. May, June. South Burlington, (Torrey); Colchester, (Griffin).
- C. parviflorum** Salisb., var. *pubescens* (Willd.) Knight. Large Yellow Lady's Slipper. Rich moist woods; frequent. May, June.

EPIPACTIS (Haller) Boehm. RATTLESNAKE PLANTAIN

- E. pubescens* (Willd.) Eaton. Downy Rattlesnake Plantain. Dry woods; occasional. Aug.
- E. repens* (L.) Crantz, var. *ophioides* (Fern.) Eaton. Lesser Rattlesnake Plantain. Cold mossy woods; rare. July. South Burlington, (Mrs. Walker).
- E. tessellata* (Lodd.) Eaton. Cold moist woods; rare. Aug. Burlington, (Collins); South Burlington, (N. F. F.).

HABENARIA Willd. REIN ORCHIS. FRINGED ORCHIS

- H. blephariglottis* (Willd.) Torr. White Fringed Orchis. Bogs; rare. Aug. South Burlington, (Torrey).
- H. bracteata* (Willd.) R. Br. Long-bracted Orchis. Damp woods and meadows; occasional. May, June.
- H. clavellata* (Michx.) Spreng. Small Wood Orchis. Bogs; rare. July, Aug. South Burlington, (Torrey, Jones); Burlington, (Ross, N. F. F.).
- H. dilatata* (Pursh) Gray. White Bog Orchis. Cold bogs; rare. June, July. South Burlington, (Hazen).
- H. fimbriata* (Ait.) R. Br. Large Purple Fringed Orchis. Cool moist woods; rare. June, July. Essex, (Jones and Hazen).
- H. Hookeri* Torr. Dry woods; occasional. June.
- H. hyperborea* (L.) R. Br. Tall Green Orchis. Bogs and cold woods; occasional. July.
- H. lacera* (Michx.) R. Br. Ragged Fringed Orchis. Moist ground; rare. July, Aug. South Burlington, (Torrey); Burlington, (N. F. F.).
- H. macrophylla* Goldie. Large-leaved Orchis. Moist coniferous woods; rare. June, July. Williston, (Bates); South Burlington, (Ross).
- H. orbiculata* (Pursh) Torr. Round-leaved Orchis. Cold rich woods; rare. June, July. Burlington, (N. F. F., H. A. P. Torrey).
- H. psycodes* (L.) Sw. Smaller Purple Fringed Orchis. Wet meadows and bogs; occasional. July, Aug.

LIPARIS Richard. TWAYBLADE

- L. liliifolia* (L.) Richard. Large Twayblade. Woods; rare. June, July. Colchester, (Eggleston). Specimen lost.

- L. Loeselii** (L.) Richard. Fen Orchis. Damp fields; occasional. June, July.

LISTERA R. Br. TWAYBLADE

- L. cordata** (L.) R. Br. Heart-leaved Twayblade. Sphagnum bogs; rare. June. South Burlington, (Jones).

MICROSTYLIS (Nutt.) Eaton. ADDER'S MOUTH

- M. unifolia** (Michx.) BSP. Green Adder's Mouth. Open woods; occasional. July.

ORCHIS (Tourn.) L.

- O. spectabilis** L. Showy Orchis. Rich moist woods; occasional. May, June.

POGONIA Juss.

- P. atinis** Aust. Small Whorled Pogonia. One plant in woods at Fairholt, Burlington, (Mrs. Holt). May, June.

- P. ophioglossoides** (L.) Ker. Rose Pogonia, Snake-mouth. Bogs; frequent. June, July.

- P. verticillata** (Willd.) Nutt. Whorled Pogonia. Woods; rare. May, June. Colchester, (Robbins, Torrey, Ross); Burlington, (Jones). Has been found in two or three different stations at intervals of several years.

SPIRANTHES Richard. LADIES' TRESSES

- S. cernua** (L.) Richard. Nodding Ladies' Tresses. Wet soil; common. Aug., Sept.

- S. gracilis** (Bigel.) Beck. Slender Ladies' Tresses. Sandy woods and plains; occasional. July, Aug.

- S. Romanzoffiana** Cham. Swamps and moist soil; rare. July, Aug. Colchester, (Griffin).

SALICACEAE. WILLOW FAMILY

POPULUS (Tourn.) L. POPLAR. ASPEN

- P. ALBA** L. White Poplar, Silver-leaved Poplar, Abele. Frequent as an escape from cultivation. Apr., May. Only pistillate trees occur.

- P. balsamifera** L. Balsam Poplar, Tacamahac. Wet ravines and borders of rivers; frequent. Apr., May.

- P. CANDICANS** Ait. Balm of Gilead. Occasional in cultivation and sometimes spontaneous. Apr., May.
- P. deltoides** Marsh. Cotton-wood, Necklace Poplar. Borders of streams and of Lake Champlain; frequent. Apr., May.
- P. grandidentata** Michx. Large-toothed Aspen. Rich woods; frequent. Apr., May.
- P. NIGRA** L. One form occurs. Var. *ITALICA* Du Roi. Lombardy Poplar. Frequently cultivated and tends to spread by sprouting from the roots. Apr., May. Only staminate trees occur.
- P. tremuloides** Michx. American Aspen, Trembling Poplar. Woods; common. Apr., May.

SALIX (Tourn.) L. WILLOW. OSIER

- S. ALBA** L. One form occurs. Var. *VITELLINA* (L.) Koch. White Willow. Common in cultivation and occasional as an escape. Apr., May.
- S. cordata** Muhl. Heart-leaved Willow. Wet soil; common. Apr., May.
- S. discolor** Muhl. Pussy or Glauous Willow. Wet soil; common. Apr., May. Var. *ERIOCEPHALA* (Michx.) Anders. South Burlington, (Kirk and Jones). Apr., May.
- S. FRAGILIS** L. Crack Willow. Common in cultivation and as an escape. May.
- S. humilis** Marsh. Prairie Willow. Dry sandy plains; common. Apr., May.
- S. longifolia** Muhl. Sand-bar Willow. Shores of Lake Champlain; occasional. May.
- S. lucida** Muhl. Shining Willow. Moist banks; frequent. May.
- S. nigra** Marsh. Black Willow. Banks of streams and ponds; common. May. Var. *FALCATA* (Pursh) Torr. Burlington, (Rand). May.
- S. pedicellaris** Pursh. Bog Willow. Peat bogs; frequent. May.
- S. petiolaris** Sm. Slender Willow. Swamps and shores of Lake Champlain; rare. May. Burlington, (Grout and Jones).
- S. PURPUREA** L. Purple Willow. A frequent escape to watersides. Apr., May.

S. rostrata Richards. Beaked Willow. Borders of thickets; common. Apr., May.

S. sericea Marsh. Silky Willow. In swamps and along streams; rare. Apr., May. Burlington and South Burlington, (Jones).

Some peculiar willows occur at Burlington, (Jones), which will probably prove to be hybrids.

MYRICACEAE. SWEET GALE FAMILY

MYRICA L.

M. asplenifolia L. Sweet Fern. Dry sterile soil; common. Apr., May.

M. Gale L. Sweet Gale. Swamps and borders of ponds; occasional. May.

JUGLANDACEAE. WALNUT FAMILY

CARYA Nutt. HICKORY

C. alba (L.) Koch. Mocker Nut, White-heart Hickory. Rocky pasture, Burlington, (Burns). June.

C. cordiformis (Wang.) Koch. Bitter-nut or Swamp Hickory. Occasional in cultivation, but rare otherwise. May, June. South Burlington, (Hubbard and Strait).

C. ovata (Mill.) Koch. Shellbark or Shagbark Hickory, Walnut. Rich soil; frequent. May, June.

JUGLANS L. WALNUT

J. cinerea L. Butternut, White Walnut. Rocky hillsides; frequent. May.

BETULACEAE. BIRCH FAMILY

ALNUS (Tourn.) Hill. ALDER

A. incana (L.) Moench. Speckled or Hoary Alder. Swamps and borders of streams; common. Apr. Several forms occur, which are intermediate between this and **A. rugosa**, and are regarded by some as hybrids.

A. mollis Fern. Downy Green Alder. Damp thickets and exposed rocky banks; rare. May. Burlington, (N. F. F.).

- A. rugosa** (Du Roi) Spreng. Smooth Alder. Moist soil; frequent. Apr.

BETULA (Tourn.) L. BIRCH

- B. alba** L., var. **papyrifera** (Marsh.) Spach. Paper, Canoe or White Birch. Moist soil; common. Apr., May.
- B. lenta** L. Cherry, Sweet or Black Birch. Rich woodlands; frequent. Apr., May.
- B. lutea** Michx. f. Yellow or Gray Birch. Rich cool soils; frequent. Apr., May.
- B. populifolia** Marsh. White, Gray or Old Field Birch. Poor sandy soil; common. Apr., May.

CARPINUS (Tourn.) L. HORNBEAM. IRONWOOD

- C. caroliniana** Walt. American Hornbeam, Blue or Water Beech. Along streams; frequent. May.

CORYLUS (Tourn.) L. HAZELNUT. FILBERT

- C. rostrata** Ait. Beaked Hazelnut. Dry thickets; common. Apr., May.

OSTRYA (Mich.) Scop. HOP HORNBEAM. IRONWOOD

- O. virginiana** (Mill.) Koch. American Hop Hornbeam, Leverwood. Rich woods; common. May.

FAGACEAE. BEECH FAMILY

CASTANEA (Tourn.) Hill. CHESTNUT

- C. dentata** (Marsh.) Borkh. Chestnut. Rocky woods and hillsides. July. The trees on the Ethan Allen farm in the north part of Burlington were supposed to represent the northern limit of this tree, but it has recently been found in Colchester, (Griffin).*

FAGUS (Tourn.) L. BEECH

- F. grandifolia** Ehrh. American Beech. Rich uplands; common. May.

QUERCUS (Tourn.) L. OAK

- Q. alba** L. White Oak. Dryish woods; common. May.
- Q. bicolor** Willd. Swamp White Oak. Borders of streams and swamps; frequent. May.

*This last station is probably the one referred to in Hemenway's Vermont Gazeteer, Vol. 1, p. 758.

- Q. macrocarpa** Michx. Bur Oak, Over-cup or Mossy-cup Oak. Rich soil; rare, May. Burlington, (Jones); Colchester, (Griffin).
- Q. Muhlenbergii** Engelm. Yellow Oak, Chestnut Oak. Dry limestone hillsides; rare. May. Colchester, (Griffin).
- Q. rubra** L. Red Oak. Rich or poor soil; common. May. Var. *AMBIGUA* (Michx. f.) Fern. Gray Oak. Rocky woods, Burlington, (Burns). May.
- Q. velutina** Lam. Quercitron, Yellow-barked or Black Oak. Dry light soil; frequent. May.

URTICACEAE. NETTLE FAMILY

BOEHMERIA Jacq. FALSE NETTLE

- B. cylindrica** (L.) Sw. Moist shady ground; frequent. July, Aug.

CANNABIS (Tourn.) L. HEMP

- C. SATIVA** L. Common Hemp. Waste places; occasional. July-Sept.

CELTIS (Tourn.) L. NETTLE TREE. HACKBERRY

- C. occidentalis** L. Sugarberry. River banks and intervals; occasional. May.

HUMULUS L. HOP

- H. JAPONICUS** Sieb. & Zucc. Japanese Hop. Waste places; rare. July. Burlington, (Jones, N. F. F.).

- H. LUPULUS** L. Common Hop. An occasional roadside escape. July.

LAPORTEA Gaud. WOOD NETTLE

- L. canadensis** (L.) Gaud. Rich woods; frequent. July, Aug.

MORUS (Tourn.) L. MULBERRY

- M. ALBA** L. White Mulberry. An occasional escape to woods and roadsides. May. Burlington, (N. F. F.).

PARIETARIA (Tourn.) L. PELLITORY

- P. pennsylvanica** Muhl. Shaded rocky banks; rare. June, July. Burlington, (Jones); South Burlington, (N. F. F.); Colchester, (Griffin).

PILEA Lindl. RICHWEED. CLEARWEED

- P. pumila** (L.) Gray. Cool and moist shaded places; frequent. July, Aug.

ULMUS (Tourn.) L. ELM

- U. americana** L. American or White Elm. Moist soil; common. Apr.
U. CAMPESTRIS L. English Elm. Commonly planted and escaped to roadside, Colchester, (N. F. F.). Apr.
U. fulva Michx. Slippery or Red Elm. Rich rocky woods; occasional. Apr.
U. racemosa Thomas. Cork or Rock Elm. Occurs as a shade tree in Burlington and search will probably reveal it on the river banks or calcareous ridges in this vicinity. Apr., May.

URTICA (Tourn.) L. NETTLE

- U. gracilis** Ait. Slender or Tall Wild Nettle. Fence rows and moist ground; common. July, Aug.
U. Lyallii Wats. Alluvial thickets and waste places; frequent. July, Aug. Has hitherto been confused with **U. gracilis**.

SANTALACEAE. SANDALWOOD FAMILY

COMANDRA Nutt. BASTARD TOAD-FLAX

- C. Richardsiana** Fern. Dry sandy or gravelly soil; common. May, June.
C. umbellata (L.) Nutt. Dry ground; rare. May, June. Colchester, (Griffin).

LORANTHACEAE. MISTLETOE FAMILY

ARCEUTHOBIUM Bieb.

- A. pusillum** Peck. Dwarf Mistletoe. Parasitic on spruce and tamarack. May. Colchester, (Jones).

ARISTOLOCHIACEAE. BIRTHWORT FAMILY

ASARUM (Tourn.) L. ASARABACCA. WILD GINGER

- A. canadense** L. Rich woods; common. Apr., May.

POLYGONACEAE. BUCKWHEAT FAMILY

FAGOPYRUM (Tourn.) Hill. BUCKWHEAT

F. ESCULENTUM Moench. Persisting after cultivation. June-Sept.

POLYGONELLA Michx.

P. articulata (L.) Meisn. Coast Jointweed. Sandy shore of Lake Champlain; rare. Aug., Sept. Colchester, (Pringle, N. F. F.).

POLYGONUM (Tourn.) L. KNOTWEED

P. acre HBK., var. **leptostachyum** Meisn. Water Smartweed. Wet meadows; occasional. July-Sept.

P. amphibium L. One form occurs. Var. **HARTWRIGHTII** (Gray) Bissell. Wet places; rare. Aug., Sept. Burlington, (Jones, N. F. F.).

P. arifolium L. Halberd-leaved Tear-thumb. Wet ground; occasional. Aug., Sept.

P. aviculare L. Knotgrass, Knotweed, Doorweed. Dooryards, waste places, etc.; common. June-Sept.

P. aviculare L., var. **vegetum** Ledeb. Burlington, (Grout). July-Sept.

P. cilinode Michx. Fringed Black Bindweed. Rocky copses; frequent. July-Sept.

P. CONVOLVULUS L. Black Bindweed. Cultivated and waste ground; common. June-Sept.

P. CUSPIDATUM Sieb. & Zucc. Japanese Knotweed. Adventive in garden, Shelburne, (Mrs. Gebhardt). Aug., Sept.

P. erectum L. Erect Knotweed. Waysides, waste places, etc.; local. July, Aug. South Burlington, (N. F. F.).

P. Hydropiper L. Common Smartweed or Water Pepper. Moist places; common. July-Sept.

P. lapathifolium L. Dock-leaved or Pale Persicaria. Alluvial fields; frequent. July-Sept. A stout form near var. **NODOSUM** (Pers.) Weinm. occurs, Fort Ethan Allen, (N. F. F.).

P. Muhlenbergii (Meisn.) Wats. Swamp Persicaria. Muddy or exsiccated places; occasional. Aug., Sept.

P. ORIENTALE L. Prince's Feather. Persisting about gardens; occasional. July-Sept.

- P. pennsylvanicum** L. Common or Pink Persicaria. Moist soil; frequent. July-Sept.
- P. PERSICARIA** L. Lady's Thumb. Waste places; common. July-Sept.
- P. sagittatum** L. Arrow-leaved Tear-thumb. Low ground; common. Aug., Sept.
- P. scandens** L. Climbing False Buckwheat. Moist thickets; frequent. Aug., Sept.
- P. virginianum** L. Moist thickets; occasional. Aug., Sept.

RUMEX L. DOCK. SORREL

- R. ACETOSA** L. Garden Sorrel. Adventive in grass lands, Burlington, (Jones). June.
- R. ACETOSELLA** L. Field or Sheep Sorrel. Fields, especially in sterile soil; a common weed. May-July.
- R. Britannica** L. Great Water Dock. Wet places; frequent. July, Aug.
- R. CRISPUS** L. Yellow Dock. Fields and waste places; common. June, July.
- R. MEXICANUS** Meisn. Rich soil; rare. July. Colchester, (Sprague); Burlington, (N. F. F.).
- R. MONTANUM** Desf. A garden escape, Burlington, (N. F. F.). June. Station destroyed by building operations.
- R. OBTUSIFOLIUS** L. Bitter Dock. Fields and waste places; common. June, July.
- R. PATIENTIA** L. Patience Dock. Rich open soil; frequent. June, July.
- R. verticillatus** L. Swamp Dock. Swamps; frequent. June, July.

CHENOPODIACEAE. GOOSEFOOT FAMILY

CHENOPODIUM (Tourn.) L. GOOSEFOOT. PIGWEED

- C. ALBUM** L. Lamb's Quarters, Pigweed. Fields; a common weed. June-Sept. Var. **VIRIDE** (L.) Moq. Becoming frequent. June-Sept.
- C. AMBROSIOIDES** L. Mexican Tea. Adventive on railway embankment, Colchester, (N. F. F.). Aug., Sept.
- C. BOTRYS** L. Jerusalem Oak, Feather Geranium. Lake shore and waste places; occasional. July-Sept.

- C. capitatum** (L.) Asch. Strawberry Blite. Rich ground; rare. July. Burlington, (Jones and Howe).
- C. GLAUCUM** L. Oak-leaved Goosefoot. Railroad yard, Burlington, (Orton). July-Sept.
- C. hybridum** L. Maple-leaved Goosefoot. Shady ledges and waste places; frequent. July-Sept.
- C. URBICUM** L. Upright Goosefoot. Adventive in lumber yards, Burlington, (Howe). June-Aug.

SALSOLA L. SALTWORT

- S. KALI** L., var. *TENUIFOLIA* Mey. Russian Thistle. Occasional as a recent introduction, Burlington, (N. F. F.); Colchester, (Jones). Aug., Sept.

AMARANTHACEAE. AMARANTH FAMILY

ACNIDA L. WATER HEMP

- A. tuberculata** Moq. Sandy shore of Lake Champlain, Burlington, (N. F. F.). Aug., Sept.

AMARANTHUS (Tourn.) L. AMARANTH

- A. BLITOIDES** Wats. Prostrate Amaranth. Waste places and along railroads; becoming common. July-Sept.
- A. GRAECIZANS** L. Tumble Weed. Waste and cultivated ground; frequent. July-Sept.
- A. RETROFLEXUS** L. Green Amaranth, Pigweed. A common weed in cultivated ground. July-Sept.
- A. SPINOSUS** L. Thorny Amaranth. Adventive in cultivated ground, Burlington, (Mrs. Walker). July-Sept.

PHYTOLACCACEAE. POKEWEEED FAMILY

PHYTOLACCA (Tourn.) L. POKEWEEED

- P. decandra** L. Common Poke or Scape, Garget, Pigeon Berry. Pastures and fields; rare. July-Sept. Colchester, (Jones).

AIZOACEAE

MOLLUGO L. INDIAN CHICKWEED

- M. VERTICILLATA** L. Carpet Weed. Cultivated ground and waste places in sandy soil; frequent. July-Oct.

CARYOPHYLLACEAE. PINK FAMILY

AGROSTEMMA L. CORN COCKLE

- A. GITHAGO** L. Cultivated fields; occasional. June, July.

ARENARIA L. SANDWORT

- A. lateriflora** L. Blunt-leaved Sandwort. Rocky headland of Lake Champlain, Burlington, (Miss Hitchcock). June, July.
- A. SERPYLLIFOLIA** L. Thyme-leaved Sandwort. Dry rocky places; frequent. June-Aug.
- A. stricta** Michx. Rock Sandwort. Cliffs and headlands of Lake Champlain; occasional. June, July.

CERASTIUM L. MOUSE-EAR CHICKWEED

- C. arvense** L. Field Mouse-ear Chickweed. Dry or rocky places; rare. June, July. Colchester, (Griffin).
- C. nutans** Raf. Nodding Chickweed. Moist rich soil; rare. June, July. Colchester, (Griffin).
- C. VULGATUM** L. Common Mouse-ear Chickweed. Fields, dooryards, etc.; common. Apr.-Oct.

DIANTHUS L. PINK. CARNATION

- D. BARBATUS** L. Sweet William. Roadside escape from garden, Essex, (N. F. F.). June, July.

GYPSOPHILA L.

- G. MURALIS** L. Low Gypsophila. Spontaneous in garden, Burlington, (Jones); in old field, Colchester, (N. F. F.). July-Sept.

LYCHNIS (Tourn.) L. CAMPION

- L. ALBA** Mill. White Campion. Waste grounds and roadsides; rare. June-Aug. Burlington, (Grout); weed in meadow, Colchester, (Jones).

- L. DIOICA** L. Red Campion. Persistent in old dooryard, Colchester, (N. F. F.); in grass land, Burlington, (Morse). July-Sept.

SAPONARIA L.

- S. OFFICINALIS** L. Soapwort, Bouncing Bet. Waste places and roadsides; common. July-Oct.
- S. VACCARIA** L. Cow-herb. Railroad yards, Burlington, (N. F. F., Ross). June, July.

SILENE L. CATCHFLY. CAMPION

- S. antirrhina** L. Sleepy Catchfly. Dry soil; frequent. June-Aug.
- S. ARMERIA** L. Sweet William Catchfly. Spontaneous in garden, Burlington, (N. F. F.). July-Sept.
- S. LATIFOLIA** (Mill.) Britten & Rendle. Bladder Campion. Roadsides and fields; occasional. June, July.
- S. NOCTIFLORA** L. Night-flowering Catchfly. Cultivated grounds and waste places; occasional. June-Oct.

SPERGULA L. SPURREY

- S. ARVENSIS** L. Corn Spurrey. Weed in cultivated grounds; occasional. June-Sept.
- S. SATIVA** Boenn. Field Spurrey. Adventive at Experiment Farm, Burlington, (Hazen). June, July.

STELLARIA L. CHICKWEED. STARWORT

- S. borealis** Bigel. Northern Stitchwort. Shaded or wet places; rare. June-Aug. Burlington, (N. F. F.).
- S. GRAMINEA** L. Lesser Stitchwort or Starwort. Roadsides and moist grasslands; frequent. June, July. Var. **LATIFOLIA** Peterm. Damp grassy place, Williston, (N. F. F.).
- S. longifolia** Muhl. Long-leaved Stitchwort. Damp intervals; occasional. June, July.
- S. MEDIA** (L.) Cyrill. Common Chickweed. A common weed in moist shaded places. Apr.-Oct.

PORTULACACEAE. PURSLANE FAMILY

CLAYTONIA (Gronov.) L. SPRING BEAUTY

- C. caroliniana** Michx. Spring Beauty. Rich open woods; frequent. Apr., May.
- C. virginica** L. Broad-leaved Spring Beauty. Wooded edge of interval, South Burlington, (Torrey, Jones). Apr., May.

PORTULACA (Tourn.) L. PURSLANE

- P. OLERACEA** L. Common Purslane, Pusley. Cultivated and waste grounds; common. June-Aug.

NYMPHAEACEAE. WATER LILY FAMILY

BRASENIA Schreb. WATER SHIELD

- B. Schreberi** Gmel. Ponds; rare. July, Aug. Shelburne, (Jones); Colchester, (Macrae, N. F. F.).

CASTALIA Salisb. WATER LILY. WATER NYMPH

- C. odorata** (Ait.) Woodville & Wood. Sweet-Scented White Water Lily, Pond Lily. Ponds and slow streams; common. July, Aug.
- C. tuberosa** (Paine) Greene. Tuberous White Water Lily. Tributaries of Lake Champlain; rare. July, Aug. Shelburne, (Pringle); Burlington, (Grout and Tracy).

NYMPHAEA (Tourn.) L. YELLOW POND LILY. SPATTER DOCK

- N. advena** Ait. Cow Lily, Large Yellow Pond Lily. Ponds and slow streams; common. June-Aug.
- N. microphylla** Pers. Small Yellow Pond Lily. Ponds and slow streams; frequent. June-Aug.
- × ? **N. rubrodisca** (Morong) Greene. La Plot River, Shelburne, (Pringle). June-Aug.

RANUNCULACEAE. CROWFOOT FAMILY

ACTAEA L. BANEERRY. COHOSH

- A. alba** (L.) Mill. White Baneberry, Doll's Eyes. Rich woods; common. May.
- A. rubra** (Ait.) Willd. Red Baneberry. Rich woods; common. May.

ANEMONE (Tourn.) L. ANEMONE

- A. canadensis** L. Round-headed Anemone. Moist rocky banks; frequent. May, June.
- A. cylindrica** Gray. Long-fruited Anemone. Dry woods and fields; frequent. June, July.
- A. multifida** Poir. Cut-leaved Anemone. Ledy shores; rare. June. Colchester and Burlington, (Robbins, Torrey).
- A. quinquefolia** L. Wood Anemone, Wind Flower. Margin of woods; common. May.
- A. riparia** Fern. Gravelly and rocky banks; frequent. June, July.
- A. virginiana** L. Tall Anemone. Woods and meadows; common. June, July.

AQUILEGIA (Tourn.) L. COLUMBINE

- A. canadensis** L. Wild Columbine. Rocky places and dry sandy plains; common. May, June.
- A. vulgaris** L. Garden Columbine. Common in cultivation and a rare roadside escape. June. Colchester, (Jones); Williston, (N. F. F.).

CALTHA (Rupp.) L. MARSH MARIGOLD

- C. palustris** L. Cowslips. Swamps and wet meadows; common. Apr., May.

CIMICIFUGA L. BUGBANE

- C. racemosa** (L.) Nutt. Black Snakeroot, Black Cohosh. U. V. M. Herb., Torrey collection. There is no locality on the label, but there is very little doubt that this was collected in Burlington, fifty years or so ago. July.

CLEMATIS L. VIRGIN'S BOWER

- C. verticillaris** DC. Purple Clematis. Rocky woods; frequent. May.
- C. virginiana** L. Wild Clematis, Virgin's Bower, Traveler's Joy. River banks and moist thickets; common. July, Aug.

COPTIS Salisb. GOLDTHREAD

- C. trifolia** (L.) Salisb. Canker-root. Wet woods; common. Apr., May.

HEPATICA (Rupp.) Hill. LIVERLEAF. HEPATICA

- H. acutiloba** DC. Sharp-lobed Liverleaf. Woods; frequent. Apr., May.

- H. triloba** Chaix. Round-lobed Liverleaf. Warm open woods; common. Apr., May. Interesting variations in leaf and flower characters have been observed.*

HYDRASTIS Ellis. ORANGE-ROOT. YELLOW PUCCOON

- H. canadensis** L. Golden Seal. Rich woods; rare. May. Shelburne, (Horsford).

RANUNCULUS (Tourn.) L. CROWFOOT. BUTTERCUP

- R. abortivus** L. Small-flowered Crowfoot. Shady banks; common. Apr.-June.
- R. abortivus** L., var. **eucyelus** Fern. Shady bank, Burlington, (N. F. F.). May, June.
- R. ACRIS** L. Tall Crowfoot or Buttercup. Everywhere as a weed in grass lands. May-Oct. Var. **STEVENI** (Andrz.) Lange. Grass lands; frequent. May-Oct.
- R. aquatilis** L., var. **capillaceus** DC. Common White Water Crowfoot. In slow water; rare. June, July. Colchester, (Griffin).
- R. BULBOSUS** L. Bulbous Crowfoot or Buttercup. Introduced in field, South Burlington, (Collins). May, June.
- R. circinatus** Sibth. Stiff Water Crowfoot. La Plot River, Shelburne, (Torrey). June-Aug.
- R. delphinifolius** Torr. Yellow Water Crowfoot. Still water and muddy banks; occasional. May, June. Var. **TERRESTRIS** (Gray) Farwell. Occasional. This seems to be the form the species takes when rooting out of water or left in the mud of drying ponds.
- R. Flammula** L., var. **reptans** (L.) Mey. Creeping Spearwort. Gravelly or sandy shores; occasional. July, Aug.
- R. pennsylvanicus** L. f. Bristly Crowfoot. Wet places; frequent. July, Aug.
- R. recurvatus** Poir. Hooked Crowfoot. Moist woods; frequent. May, June.
- R. REPENS** L. Creeping Buttercup. Adventive in lawns, Burlington, (Jones, Mrs. Forbes). June, July.
- R. sceleratus** L. Cursed Crowfoot. Wet ditches and low grounds; local. June, July. Colchester and Burlington, (N. F. F.).

*See "Vagaries of Hepatica" by F. A. Ross in Torrey, Vol. 3. (Apr., 1903).

- R. septentrionalis** Poir. Swamp Buttercup. Wet places; frequent. May, June.

THALICTRUM (Tourn.) L. MEADOW RUE

- T. confine** Fern. Rocky shore of Lake Champlain, Burlington, (N. F. F.). July-Sept.

- T. dioicum** L. Early Meadow Rue. Rocky woodlands; common. Apr., May.

- T. polygamum** Muhl. Tall Meadow Rue. Moist meadows; common. June, July.

BERBERIDACEAE. BARBERRY FAMILY

BERBERIS (Tourn.) L. BARBERRY

- B. vulgaris** L. Common Barberry. A frequent escape from cultivation. May, June.

CAULOPHYLLUM Michx. BLUE COHOSH

- C. thalictroides** (L.) Michx. Pappoose Root. Rich woods; common. Apr., May.

LAURACEAE. LAUREL FAMILY

BENZOIN Fabric. WILD ALLSPICE. FEVER BUSH

- B. aestivale** (L.) Nees. Spice Bush, Benjamin Bush. Damp woods. Apr., May. Abundant at the one station, South Burlington, (N. F. F.).

PAPAVERACEAE. POPPY FAMILY

CHELIDONIUM (Tourn.) L. CELANDINE

- C. majus** L. Waste places; frequent. May-Aug.

PAPAVER (Tourn.) L. POPPY

- P. rhoeas** L. Corn Poppy. Persistent in garden, Burlington, (N. F. F.). June-Sept. This is the commonly cultivated Shirley poppy.

SANGUINARIA (Dill.) L. BLOODROOT

- S. canadensis** L. Borders of rich woods; common. Apr., May.

FUMARIACEAE. FUMITORY FAMILY

ADLUMIA Raf. CLIMBING FUMITORY

- A. fungosa** (Ait.) Greene. Mountain Fringe, Allegheny Vine. Rich rocky woods; occasional. July-Sept.

CORYDALIS (Dill.) Medic.

- C. aurea** Willd. Golden Corydalis. Rocky banks; rare. Apr.-June. Burlington, (Torrey); Colchester, (Griffin).
- C. sempervirens** (L.) Pers. Pale or Pink Corydalis. Rocky woodlands; frequent. May-Aug.

DICENTRA Bernh.

- D. canadensis** (Goldie) Walp. Squirrel Corn. Rich woods; rare. Apr., May. Shelburne, (Torrey); South Burlington, (N. F. F.).
- D. Cucullaria** (L.) Bernh. Dutchman's Breeches. Rich woods; occasional. Apr., May.

FUMARIA (Tourn.) L. FUMITORY

- F. officinalis** L. Common Fumitory. Persistent in old garden, Essex, (Jones). June-Aug.

CRUCIFERAE. MUSTARD FAMILY

ARABIS L. ROCK CRESS

- A. brachycarpa** (T. & G.) Britton. Purple Rock Cress. Sandy soil, rocky banks, etc.; frequent. June, July.
- A. Drummondii** Gray. Rocky places; occasional. May, June.
- A. glabra** (L.) Bernh. Tower Mustard. Rocks and fields; occasional. June.
- A. hirsuta** (L.) Scop. Hairy Rock Cress. Rocky places; frequent. June.
- A. laevigata** (Muhl.) Poir. Smooth Rock Cress. Rocky places; occasional. May, June.

BARBAREA R. Br. WINTER CRESS

- B. stricta** Andrz. Erect-fruited Winter Cress. Roadsides and meadows; common. May, June.

- B. VULGARIS** R. Br. Common Winter Cress, Yellow Rocket. Low grounds and roadsides; rare. May, June. South Burlington, (N. F. F.).

BERTEROA DC.

- B. INCANA** (L.) DC. Hoary Alyssum. A weed in lawns and by waysides. First noticed in Burlington, (Miss Towle), 1895, but now becoming frequent. June-Oct.

BRASSICA (Tourn.) L. MUSTARD. TURNIP

- B. ARVENSIS** (L.) Ktze. Charlock. A weed in fields; common. June-Oct.
- B. CAMPESTRIS** L. Rutabaga. Fields; frequent. June-Oct.
- B. JUNCEA** (L.) Cosson. Indian Mustard. Fields; occasional. June-Oct.
- B. NIGRA** (L.) Koch. Black Mustard. Waste places; rarely seen. July-Sept. Burlington, (N. F. F.).

CAMELINA Crantz. FALSE FLAX

- C. MICROCARPA** Andrz. Fields, etc.; occasional. June, July.

CAPSELLA Medic. SHEPHERD'S PURSE

- C. BURSA-PASTORIS** (L.) Medic. A common weed. Apr.-Oct.

CARDAMINE (Tourn.) L. BITTER CRESS

- C. parviflora** L. Small Bitter Cress. Dry rocky woods; occasional. May, June.
- C. pennsylvanica** Muhl. Bitter Cress. Cold wet woods and moist ground; common. May, June.

DENTARIA (Tourn.) L. TOOTHWORT. PEPPER-ROOT

- D. diphylla** Michx. Two-leaved Toothwort or Pepper-root. Rich moist woods; occasional. May.
- D. laciniata** Muhl. Cut-leaved Toothwort or Pepper-root. Rich damp woods; rare. May. South Burlington, (Torrey); Shelburne, (Pringle).
- D. maxima** Nutt. Large Toothwort or Pepper-root. Rich moist woods; rare. May. Shelburne, (Pringle); South Burlington, (Perkins); Colchester, (Griffin).

DRABA (Dill.) L. WHITLOW-GRASS

- D. arabisans** Michx. Twisted Whitlow-grass. Rocky cliffs; rare. May, June. Burlington, (Torrey).

ERYSIMUM (Tourn.) L. TREACLE MUSTARD

- E. CHEIRANTHOIDES** L. Worm-seed Mustard. Fields and railroad yards; occasional. July-Oct.

LEPIDIDIUM (Tourn.) L. PEPPERWORT. PEPPERGRASS

- L. APETALUM** Willd. Wild Peppergrass. Dry soil, especially along railroads; common. June-Oct.
- L. CAMPESTRE** (L.) R. Br. Field or Cow Cress. Fields and roadsides; rare. June. Burlington, (Jones).
- L. VIRGINICUM** L. Wild Peppergrass. Dry soil, especially along railroads; common. June-Oct.

LOBULARIA Desv. SWEET ALYSSUM

- L. MARITIMA** (L.) Desv. Occasionally spontaneous in gardens and waste places. July-Sept.

RADICULA (Dill.) Hill. WATER CRESS

- R. aquatica** (Eat.) Robins. Lake Cress. Lakes and rivers; rare. July, Aug. La Plot River, Shelburne, (Pringle); Malletts Creek, Colchester, (Griffin).
- R. ARMORACIA** (L.) Robins. Horseradish. A frequent escape to moist grounds. May, June.
- R. palustris** (L.) Moench. Marsh Cress. Wet places; occasional. June, July. Burlington, (N. F. F.).
- R. palustris** (L.) Moench, var. *hispida* (Desv.) Robins. Hairy Marsh Cress. Wet places; frequent. June, July.
- R. SYLVESTRIS** (L.) Druce. Yellow Cress. A weed in cultivated ground and wet meadow, South Burlington, (N. F. F.). June.

SISYMBRIUM (Tourn.) L. HEDGE MUSTARD

- S. ALTISSIMUM** L. Tumble Mustard. First introduced a few years ago, but already becoming a common weed in fields, roadsides, etc. June-Oct.

- S. OFFICINALE** (L.) Scop., var. **LEIOCARPUM** DC. Common Hedge Mustard. A common weed in waste places and cultivated grounds. June-Oct.

THLASPI (Tourn.) L. **PENNY CRESS**

- T. ARVENSE** L. Field Penny Cress, Mithridate Mustard. Waste places; occasional. June. Burlington, (Jones, N. F. F.).

CAPPARIDACEAE. CAPER FAMILY

POLANISIA Raf.

- P. graveolens** Raf. Clammy-weed. Sandy shore of Lake Champlain; common. July, Aug.

SARRACENIACEAE. PITCHER-PLANT FAMILY

SARRACENIA (Tourn.) L.

- S. purpurea** L. Side-saddle Flower, Pitcher-plant, Huntsman's Cup. Sphagnum bogs; frequent. June.

DROSERACEAE. SUNDEW FAMILY

DROSERA L. **SUNDEW**

- D. longifolia** L. Long-leaved Sundew. Bogs; rare. July, Aug. Colchester, (Pringle, Griffin).
- D. rotundifolia** L. Round-leaved Sundew. Bogs and wet banks; frequent. July, Aug.

CRASSULACEAE. ORPINE FAMILY

PENTHORUM (Gronov.) L. **DITCH STONECROP**

- P. sedoides** L. Ditches and swamps; frequent. July-Sept.

SEDUM (Tourn.) L. **STONECROP. ORPINE**

- S. ACRE** L. Mossy Stonecrop. On rocks; occasional. June, July.
- S. PURPUREUM** Tausch. (*S. triphyllum* (Haw.) Gray) Garden Orpine, Live-for-ever. Fields and roadsides; common. Aug., Sept.

- S. TELEPHIOIDES** Michx. American Orpine. A roadside escape in sandy soil, Colchester, (N. F. F.). Sept.

SAXIFRAGACEAE. SAXIFRAGE FAMILY

CHRYSOSPLENIUM (Tourn.) L. GOLDEN SAXIFRAGE

- C. americanum** Schwein. Wet shady places; frequent. May, June.

MITELLA (Tourn.) L. MITERWORT. BISHOP'S CAP

- M. diphylla** L. Two-leaved Miterwort. Rich woods; common. Apr., May.

- M. nuda** L. Naked Miterwort. Deep moist woods, in moss; rare. May, June. South Burlington, (Jones); Burlington, (N. F. F.).

PARNASSIA (Tourn.) L. GRASS OF PARNASSUS

- P. caroliniana** Michx. Wet banks; rare. Aug. South Burlington, (Torrey, Ross); Burlington, (N. F. F.).

RIBES L. CURRANT. GOOSEBERRY

- R. aureum** Pursh. (*R. odoratum* Wend.) Missouri or Buffalo Currant. Occasionally persistent about old building sites. May.

- R. cynosbati** L. Prickly Gooseberry, Dogberry. Rocky woods; common. May.

- R. floridum** L'Her. (*R. americanum* Mill.) Wild Black Currant. Moist rich woods; frequent. May, June.

- R. triste** Pall. Swamp Red Currant. Cold swamps; occasional. May.

- R. vulgare** Lam. Garden Red Currant. Common in cultivation and occasional as an escape in fence-rows and waste places. Apr., May.

SAXIFRAGA (Tourn.) L. SAXIFRAGE

- S. pennsylvanica** L. Swamp Saxifrage. Bogs; rare. May, June. South Burlington, (Benedict, N. F. F.).

- S. virginensis** Michx. Early Saxifrage. Exposed rocks and dry hill-sides; common. Apr., May.

TIARELLA L. FALSE MITERWORT

- T. cordifolia** L. Foam-flower. Rich moist woods; common. May, June.

HAMAMELIDACEAE. WITCH-HAZEL FAMILY

HAMAMELIS L. WITCH-HAZEL

H. virginiana L. Low woods; common. Oct.

PLATANACEAE. PLANE TREE FAMILY

PLATANUS (Tourn.) L. SYCAMORE. BUTTONWOOD

P. occidentalis L. Plane Tree. Alluvial banks; frequent. May.

ROSACEAE. ROSE FAMILY

AGRIMONIA (Tourn.) L. AGRIMONY

A. gryposepala Wallr. Tall Hairy Agrimony. Roadsides and borders of woods; frequent. July-Sept.*A. striata* Michx. Woodland Agrimony. Woods and thickets; occasional. July, Aug.

AMELANCHIER Medic. JUNE BERRY

A. canadensis (L.) Medic. Shad Bush, Service Berry. Woods; common. Apr., May.*A. oblongifolia* (T. & G.) Roem. Rock Shad Bush. Moist woods and rocky uplands; frequent. May.*A. spicata* (Lam.) Koch. Shore Shad Bush. Banks of streams and sandy soil; frequent. May.

CRATAEGUS (Tourn.) L. HAWTHORN. WHITE THORN

C. alnorum Sarg. Burlington, (Eggleston). Fl. May; fr. Sept.*C. apposita* Sarg. Burlington, (Edson). Fl. May, June; fr. Oct.*C. macracantha* Lodd. Burlington and South Burlington, (Edson). Fl. May; fr. Sept.*C. macrosperma* Ashe. Burlington, (Edson); Essex, (Jones). Fl. May; fr. Sept. Var. *MATURA* (Sarg.) Eggl. Burlington, (Eggleston). Fl. May; fr. Aug., Sept.*C. oxyacantha* L. (*C. monogyna* Jacq.) English Hawthorn. Naturalized in ravines about Burlington, (Jones). Fl. May; fr. Sept.

- C. pruinosa* (Wendl.) Koch. Burlington, (Edson). Fl. May; fr. Oct., Nov. Var. *PHILADELPHICA* (Sarg.) Eggl. Burlington, (Eggleston).
C. punctata Jacq. South Burlington, (Jones); Burlington, (Edson). Fl. May, June; fr. Oct.
C. rotundifolia Moench. Burlington, (Edson). Fl. May; fr. Sept.
C. silvicola Beadle, var. *Beckwithiae* (Sarg.) Eggl. Burlington, (Eggleston). Fl. May; fr. Oct.

DALIBARDA Kalm.

- D. repens* L. Cool moist woods; frequent. July.

FILIPENDULA (Tourn.) Hill.

- F. vulgaris* Moench. Dropwort. A garden escape well established by roadside, Burlington, (N. F. F.). Station destroyed by street improvements in 1908. June.

FRAGARIA (Tourn.) L. STRAWBERRY

- F. vesca* L., var. *americana* Porter. Wood Strawberry. Woods; common. Apr.-June.
F. virginiana Duch. Wild Strawberry. Fields; common. Apr., May.

GEUM L. AVENS

- G. canadense* Jacq. White Avens. Borders of woods; common. July, Aug.
G. rivale L. Water or Purple Avens. Bogs or wet meadows; occasional. May, June.
G. strictum Ait. Yellow Avens. Moist meadows; common. July, Aug.
G. virginianum L. Rough Avens. Low grounds; rare. July. Burlington, (N. F. F.).

POTENTILLA L. CINQUEFOIL. FIVE-FINGER

- P. Anserina* L. Silver Weed. Shores of Lake Champlain; common. June-Aug.
P. anserina L., var. *concolor* Ser. (Var. *sericea* Hayne) Shore of Lake Champlain, Burlington, (N. F. F.). Aug.
P. argentea L. Silvery Cinquefoil. Dry barren fields; common. June-Sept.

- P. arguta** Pursh. Tall Cinquefoil. Rocky hills; rare. June, July. South Burlington, (Jones); Colchester, (Griffin).
- P. canadensis** L., var. **simplex** (Michx.) T. & G. Five-finger. Dry sandy soil; common. May-July.
- P. fruticosa** L. Shrubby Cinquefoil. Frequent in the boggy meadows in the vicinity of Winooski Gorge. May-Sept.
- P. monspeliensis** L. Rough Cinquefoil. Dry soil; common. May-Aug.
- P. palustris** (L.) Scop. Marsh Cinquefoil. Cool bogs; frequent. June, July.
- P. RECTA** L. Adventive in lawn, Burlington, (Hazen). Aug.

PRUNUS (Tourn.) L. PLUM. CHERRY

- P. cuneata** Raf. Appalachian Cherry. Sandy shores of Lake Champlain and on the sand plains; frequent. May.
- P. nigra** Ait. Wild or Canada Plum. Woods and fencerows; frequent. Apr., May.
- P. pennsylvanica** L. f. Wild Red, Bird, Fire, or Pin Cherry. Dry woods and clearings; common. Apr., May.
- P. pumila** L. Sand Cherry. Rocky shore of Winooski River; rare. May.
- P. serotina** Ehrh. Wild Black or Rum Cherry. Woodlands; frequent. May, June.
- P. virginiana** L. Choke Cherry. Fencerows, woods and banks; common. May, June.

PYRUS (Tourn.) L.

- P. americana** (Marsh.) DC. American Mountain Ash. Wet woods; occasional. May, June.
- P. arbutifolia** (L.) L. f. Red Chokeberry. Swamp, Burlington, (Rand). May, June.
- P. arbutifolia** (L.) L. f., var. **atropurpurea** (Britton) Robins. Purple Chokeberry. Swamp, South Burlington, (N. F. F.). May, June.
- P. AUCUPARIA** (L.) Ehrh. European Mountain Ash, Rowan Tree. Naturalized and frequent about Burlington. May.
- P. MALUS** L. Apple. Fencerows and roadsides; frequent. May.
- P. melanocarpa** (Michx.) Willd. Black Chokeberry. Moist woods, and also rocky uplands; common. May, June.

ROSA (Tourn.) L. ROSE

- R. acicularis** Lindl., var. **Bourgeauiana** Crepin. Prickly Rose. Ledges, rocky woods, etc.; rare. June, July. Burlington, (Brainerd).
- R. blanda** Ait. Smooth Rose. Roadsides and ledges; frequent. June, July.
- R. carolina** L. Swamp Rose. Borders of swamps and streams; occasional. June, July.
- R. CINNAMOMEA** L. Cinnamon Rose. Once much cultivated and now established by roadsides, etc.; occasional. June, July. South Burlington, (Jones); Colchester, (N. F. F.).
- R. humilis** Marsh. Pasture Rose. Rocky slopes; frequent. June, July.
- R. RUBIGINOSA** L. Sweetbrier, Eglantine. — Old pastures; frequent. June, July.

RUBUS (Tourn.) L. BRAMBLE

- R. allegheniensis** Porter. High-bush Blackberry. Dry open thickets and recent clearings; frequent. May, June.
- R. hispidus** L. Running Swamp Blackberry, Swamp Dewberry. Moist woods; frequent. June, July.
- R. idaeus** L., var. **aculeatissimus** (Mey.) Regel & Tiling. (*R. idaeus* L., var. *canadensis* Rich.) Wild Red Raspberry. Thickets and clearings; common. May, June.
- × ? **R. neglectus** Peck. Purple Raspberry. Rocky woods, gravelly banks, etc.; occasional. May, June.
- R. occidentalis** L. Black Raspberry, Thimbleberry. Copses, fence-rows, etc.; frequent. May, June. Forma **PALLIDUS** (Bailey) Robins. Fencerow, Burlington, (Sprague).
- R. odoratus** L. Purple Flowering Raspberry. Moist shaded hillsides; common. July, Aug.
- R. recurvans** Blanch. Recurved Blackberry. Open soil, thickets, etc.; occasional. June.
- R. triflorus** Richards. (*R. pubescens* Raf.) Dwarf or Running Raspberry, Red Dewberry. Wet woods; frequent. May, June.
- R. villosus** Ait. Black Dewberry. Dry open places; occasional. May, June.

SANGUISORBA (Rupp.) L. BURNET

- S. MINOR** Scop. Garden Burnet. Established in grass lands, Shelburne, (N. F. F.). June.

SORBARIA A. Br.

- S. SORBIFOLIA** (L.) A. Br. Ash-leaved Spiraea. An occasional escape to copses and roadsides, where it is well established. June.

SPIRAEA (Tourn.) L.

- S. latifolia** (Ait.) Borkh. Meadow-sweet, Queen of the Meadow. Wet meadows and rocky pastures; common. July, Aug.

- S. tomentosa** L. Hardhack, Steeple Bush. Low grounds; common. July, Aug.

WALDSTEINIA Willd.

- W. fragarioides** (Michx.) Tratt. Barren Strawberry. Wooded hillsides; frequent. Apr., May.

LEGUMINOSAE. PULSE FAMILY

AMPHICARPA Ell. HOG PEANUT

- A. monoica** (L.) Ell. Rich damp woodlands; common. July-Sept.

APIOS (Boerh.) Ludwig. GROUNDNUT. WILD BEAN

- A. tuberosa** Moench. Low moist ground; frequent. July-Sept.

ASTRAGALUS (Tourn.) L. MILK VETCH

- A. canadensis** L. Shores of Lake Champlain; rare. July, Aug. South Burlington, (Torrey); Colchester, (Griffin).

- A. Robbinsii** (Oakes) Gray. On limestone rocks, Winooski Gorge, (Robbins). This, the only known station in Vermont, was destroyed in 1894 when the new dam flooded the rocks.

CICER L.

- C. ARIETINUM** L. Chick-pea. Adventive on railway embankment, Colchester, (N. F. F.). Sept., Oct.

DESMODIUM Desv. TICK TREFOIL

- D. canadense** (L.) DC. Showy Tick Trefoil. Open woods and banks of streams; frequent. July, Aug.

- D. Dillenii** Darl. Open woodlands; occasional. July, Aug.
D. grandiflorum (Walt.) DC. Rich woods; common. July, Aug.
D. nudiflorum (L.) DC. Dry woods; frequent. July, Aug.

LATHYRUS (Tourn.) L. VETCHLING. EVERLASTING PEA

- L. maritimus** (L.) Bigel. Beach Pea. Shores of Lake Champlain; occasional. June-Aug. A white-flowered form occurs.
L. ochroleucus Hook. Cream-colored Vetchling. Headlands of Lake Champlain; rare. June, July. South Burlington, (Torrey); Colchester, (N. F. F.).
L. palustris L. Marsh Pea. Shores of Lake Champlain; occasional. July.

LESPEDA Michx. BUSH CLOVER

- L. capitata** Michx. Sandy soil; occasional. Aug.

LUPINUS (Tourn.) L. LUPINE

- L. PERENNIS** L. Wild Lupine. Sand plains; frequent. May, June.

MEDICAGO (Tourn.) L. MEDICK

- M. ARABICA** (L.) Huds. Spotted Medick. Adventive at Experiment Farm, Burlington, (Jones). June-Aug.
M. HISPIDA Gaertn. Bur Clover. Adventive at Experiment Farm, Burlington, (Jones). June.
M. LUPULINA L. Black Medick, Nonesuch. Roadsides and fields; common. May-Sept.
M. SATIVA L. Lucerne, Alfalfa. Often cultivated and occasionally spontaneous. June, July.

MELILOTUS (Tourn.) Hill. SWEET CLOVER. MELILOT

- M. ALBA** Desr. White Melilot or Sweet Clover. Waste grounds and along railroads; frequent. June-Oct.
M. OFFICINALIS (L.) Lam. Yellow Melilot or Sweet Clover. Roadsides and waste places; occasional. June-Aug.

ONOBRYCHIS L. SAINFOIN

- O. SATIVA** Lam. Adventive at Experiment Farm, Burlington, (Jones). June.

ROBINIA L. LOCUST

- R. PSEUDO-ACACIA L.** Common Locust, False Acacia. Frequent in cultivation and thoroughly naturalized. June.
- R. VISCOSA Vent.** Clammy Locust. An established roadside escape, South Burlington and Colchester, (N. F. F.). June.

TRIFOLIUM (Tourn.) L. CLOVER. TREFOIL

- T. AGRARIUM L.** Yellow or Hop Clover. Sandy soil; frequent. May-Aug.
- T. ARVENSE L.** Rabbit-foot or Stone Clover. Dry sandy soil; common. July-Sept.
- T. HYBRIDUM L.** Alsike Clover. Fields and roadsides; common. May-Aug.
- T. MEDIUM L.** Zigzag Clover. Adventive at Experiment Farm, Burlington, (Jones). July, Aug.
- T. PRATENSE L.** Red Clover. Fields and roadsides; common. May-Sept.
- T. PROCUMBENS L.** Low Hop Clover. Railway embankment and lumber yards; rare. June, July. Burlington, (Kirk, N. F. F.).
- T. repens L.** White Clover. Fields and roadsides; common. May, June.

VICIA (Tourn.) L. VETCH. TARE

- V. ANGUSTIFOLIA Reich.** One form occurs. Var. *SEGETALIS* (Thuill.) Koch. Common Vetch. Roadsides, waste places, etc.; common. June-Aug. A white-flowered form occurs on rocky bluff and beach of Lake Champlain, Burlington, (N. F. F.).
- V. CRACCA L.** Blue Vetch. Meadows and roadsides; frequent. June-Aug.
- V. TETRASPERMA (L.) Moench.** Slender Vetch. In cultivated field, Burlington, (Ross). June, July.

LINACEAE. FLAX FAMILY

LINUM (Tourn.) L. FLAX

- L. USITATISSIMUM L.** Common Flax. Occasionally adventive. July-Sept.

OXALIDACEAE. WOOD SORREL FAMILY

OXALIS L. WOOD SORREL

- O. Acetosella** L. Common Wood Sorrel. Cool moist woods; occasional. June.
- O. corniculata** L. Lady's Sorrel. Fields and gardens; common. June-Sept.
- O. stricta** L. Yellow Wood Sorrel. Dry or sandy soil; occasional. June-Sept.

GERANIACEAE. GERANIUM FAMILY

ERODIUM L'Her. STORKSBILL

- E. BOTRYS** Bertol. On wool waste, bank of Winooski River, Burlington, (Brainerd). Sept., Oct.
- E. CICUTARIUM** (L.) L'Her. Storks-bill. Old garden, Burlington, (Mrs. Grout); Experiment Farm, Burlington, (Jones). July, Aug.
- E. MOSCHATUM** (L.) L'Her. Musk Storks-bill. On wool waste, bank of Winooski River, Burlington, (Brainerd). Sept., Oct.

GERANIUM (Tourn.) L. CRANESBILL

- G. Bicknellii** Britton. Dry rocky places; frequent. May, June.
- G. maculatum** L. Wild Cranesbill. Open woods and fields; occasional. May, June.
- G. Robertianum** L. Herb Robert. Rocky woods and ravines; common. May-July.

RUTACEAE. RUE FAMILY

ZANTHOXYLUM L. PRICKLY ASH

- Z. americanum** Mill. Northern Prickly Ash, Toothache Tree. Rocky woods and river banks; occasional. Apr., May.

POLYGALACEAE. MILKWORT FAMILY

POLYGALA (Tourn.) L. MILKWORT

- P. paucifolia** Willd. Fringed Polygala, Flowering Wintergreen. Woods, in light soil; common. May. A white-flowered form occurs, Burlington, (Bigelow).
- P. polygama** Walt. Racemed Milkwort. Dry sandy soil; occasional. June, July.
- P. sanguinea** L. Field or Purple Milkwort. Moist sandy soil; rare. July-Sept. Burlington, (N. F. F.).
- P. Senega** L. Seneca Snakeroot. Rocky soil; frequent. May, June.
- P. verticillata** L., var. *ambigua* (Nutt.) Wood. Loose-spiked Milkwort. Dry sandy soil; rare. Aug. Burlington, (Howe).

EUPHORBIACEAE. SPURGE FAMILY

ACALYPHA L. THREE-SEEDED MERCURY

- A. virginica** L. Moist hollows in fields; frequent. July-Sept.

EUPHORBIA L. SPURGE

- E. COROLLATA** L. Flowering Spurge. Established in sandy field, Burlington, (N. F. F.). July, Aug.
- E. CYPARISSIAS** L. Cypress Spurge, Graveyard Moss. A frequent escape from cultivation about old houses and by roadsides. May-Sept.
- E. HELIOSCOPIA** L. Wartweed. Gravelly shores and along Rutland R. R.; frequent. Aug., Sept.
- E. hirsuta** (Torr.) Wiegand. Dry sandy soil; common. July-Sept.
- E. maculata** L. Milk Purslane. Open places, roadsides, etc.; frequent. July-Sept.
- E. PLATYPHYLLA** L. Shore of Lake Champlain, Shelburne, (Pringle, N. F. F.). June-Aug.

CALLITRICHACEAE. WATER STARWORT FAMILY

CALLITRICHE L. WATER STARWORT

- C. palustris** L. Quiet water; occasional. July, Aug.

LIMNANTHACEAE. FALSE MERMAID FAMILY

FLOERKEA Willd. FALSE MERMAID

F. proserpinacoides Willd. Bank of La Plot River, Shelburne, (Pringle). May.

ANACARDIACEAE. CASHEW FAMILY

RHUS L. SUMACH

- R. copallina* L. Dwarf Sumach. Rocky hills; rare. July. Colchester, (Jones, Griffin).
- R. glabra* L. Smooth Sumach. Sandy soil; rare. July. Colchester, (N. F. F., Mrs. Walker).
- R. Toxicodendron* L. Poison Ivy, Poison Oak. Banks and moist thickets; common. June. Var. *RADICANS* (L.) Torr. Common. June.
- R. typhina* L. Staghorn Sumach. Hillsides; common. June, July.
- R. Vernix* L. Poison Sumach, Elder or Dogwood. Swamps; rare. June. Colchester, (Grout, Jones).

AQUIFOLIACEAE. HOLLY FAMILY

ILEX L. HOLLY

- I. verticillata* (L.) Gray. Winterberry, Black Alder. Wet thickets; common. June, July.
- I. verticillata* (L.) Gray, var. *padifolia* (Willd.) T. & G. Colchester, (Griffin). June, July.
- I. verticillata* (L.) Gray, var. *tenuifolia* (Torr.) Wats. Mouth of Winoski River, (Eggleston). June, July.

NEMOPANTHUS Raf. MOUNTAIN HOLLY

- N. mucronata* (L.) Trel. Cool damp woods and swamps; frequent. May.

CELASTRACEAE. STAFF TREE FAMILY

CELASTRUS L. STAFF TREE. SHRUBBY BITTER-SWEET

- C. scandens* L. Waxwork, Climbing Bitter-sweet. Moist banks and thickets; common. June.

STAPHYLEACEAE. BLADDER NUT FAMILY

STAPHYLEA L. BLADDER NUT

- S. trifolia** L. American Bladder Nut. Moist woods and thickets; occasional. May, June.

ACERACEAE. MAPLE FAMILY

ACER (Tourn.) L. MAPLE

- A. Negundo** L. Box Elder, Ash-leaved Maple. Frequent on banks of the Winooski River and common in cultivation about Burlington. Apr., May.
- A. pennsylvanicum** L. Striped Maple, Moosewood. Rich woods; common. May.
- A. rubrum** L. Red or Swamp Maple. Moist woods and swamps; common. Apr., May.
- A. saccharinum** L. White or Silver Maple. River banks; frequent. Apr.
- A. saccharum** Marsh. Sugar or Rock Maple. Rich woods; common. Apr., May.
- A. saccharum** Marsh., var. **nigrum** (Michx. f.) Britton. Black Sugar Maple. Occasionally planted as a shade tree in Burlington and vicinity, and search will probably reveal it in the moist woodlands bordering the Winooski River or Lake Champlain. May.
- A. spicatum** Lam. Mountain Maple. Cool ravines; common. May, June.

SAPINDACEAE. SOAPBERRY FAMILY

AESCULUS L. HORSE-CHESTNUT. BUCKEYE

- A. HIPPOCASTANUM** L. Common Horse-chestnut. Commonly planted and occasionally spontaneous. May, June.

BALSAMINACEAE. TOUCH-ME-NOT FAMILY

IMPATIENS (Rivin.) L. BALSAM. JEWELWEED

- I. biflora** Walt. Spotted Touch-me-not. Moist shady places; common. June-Sept. A form with reddish flowers occurs, Colchester, (N. F. F.).
- I. pallida** Nutt. Pale Touch-me-not. Cool moist shady places; occasional. July-Sept.

RHAMNACEAE. BUCKTHORN FAMILY

CEANOTHUS L. RED-ROOT

- C. americanus** L. New Jersey Tea. Dry woodlands; common. July.
- C. ovatus** Desf. Smaller Red-root. Sandy banks of Lake Champlain, Burlington, (Torrey). June.

RHAMNUS (Tourn.) L. BUCKTHORN

- R. alnifolia** L'Her. Alder-leaved Buckthorn. Swamps; occasional. June.
- R. cathartica** L. Common Buckthorn. Common in cultivation and frequently naturalized in woods and fields. May, June.

VITACEAE. VINE FAMILY

PSEDERA Neck. VIRGINIA CREEPER. WOODBINE

- P. quinquefolia** (L.) Greene, var. **hirsuta** (Donn) Rehder. Disk Creeper. Clinging closely to limestone ledges, Burlington, (Jones). June.
- P. vitaceae** (Knerr) Greene. Tendril Creeper. Moist woods, alluvial thickets, etc.; common. June.

VITIS (Tourn.) L. GRAPE

- V. bicolor** Le Conte. Summer Grape. Deep gravelly soil and base of cliffs; occasional. June.
- V. vulpina** L. River-bank or Frost Grape. River banks; common. June.

TILIACEAE. LINDEN FAMILY

TILIA (Tourn.) L. LINDEN. BASSWOOD

T. americana L. Basswood. Woodlands; common. June, July.

MALVACEAE. MALLOW FAMILY

ABUTILON (Tourn.) Mill. INDIAN MALLOW

A. THEOPHRASTI Medic. Velvet Leaf. Occasional by waysides and as a garden weed. Aug.-Oct. Williston, (Bates); Burlington, (Jones, N. F. F.); Colchester, (Mrs. Walker).

HIBISCUS L. ROSE MALLOW

H. TRIONUM L. Flower-of-an-hour, Bladder Ketmia. Occasionally adventive in gardens and waste places. July, Aug. Burlington, (Jones, N. F. F., Mrs. Walker).

MALVA (Tourn.) L. MALLOW

M. ALCEA L. European Mallow. A garden escape, Burlington, (N. F. F.). June-Sept.**M. MOSCHATA** L. Musk Mallow. Roadsides and waste places; occasional. June, July.**M. ROTUNDIFOLIA** L. Common Mallow, Cheeses. Waste places and cultivated grounds; common. May-Oct.**M. VERTICILLATA** L. Whorled Mallow. Occasional as a weed in gardens and waste places. Burlington, (Jones). July, Aug.

HYPERICACEAE. ST. JOHN'S-WORT FAMILY

HYPERICUM (Tourn.) L. ST. JOHN'S-WORT

H. ASCYRON L. Great St. John's-wort. Bank of Winooski River near High Bridge, (Perkins, Grout). July, Aug.**H. CANADENSE** L. Wet places; rare. July, Aug. Colchester, (Torrey, N. F. F.).**H. ELLIPTICUM** Hook. Pale St. John's-wort. Wet places; frequent. July, Aug.

- H. mutilum** L. Small-flowered St. John's-wort. Low grounds; common. July-Sept.
- H. perforatum** L. Common St. John's-wort. Fields and roadsides; common. June-Sept.
- H. punctatum** Lam. Spotted St. John's-wort. Damp places; frequent. July, Aug.
- H. virginicum** L. Marsh St. John's-wort. Swamps; frequent. July, Aug.

CISTACEAE. ROCKROSE FAMILY

HELIANTHEMUM (Tourn.) Mill. ROCKROSE

- H. majus** BSP. Frostweed. Sterile soil; frequent. June-Aug.

HUDSONIA L.

- H. tomentosa** Nutt. One form occurs. Var. *intermedia* Peck. Beach Heather. Sandy beaches of Lake Champlain; occasional. May, June.

LECHEA (Kalm) L. PINWEED

- L. intermedia** Leggett. Dry sterile soil; frequent. July, Aug.

VIOLACEAE. VIOLET FAMILY

VIOLA (Tourn.) L. VIOLET. HEART'S-EASE

- V. affinis** Le Conte. Moist thickets and boggy meadows. May. Colchester, (Brainerd).
- V. arenaria** DC. Sand Violet. Sand plains; common. May.
- V. blanda** Willd. Sweet White Violet. Cool rich woods; common. May.
- V. canadensis** L. Canada Violet. Woods; common. May, June. Occasional blossoms occur all summer.
- V. conspersa** Reich. Dog Violet. Low shady grounds; common. Apr., May.
- V. cucullata** Ait. Marsh Blue Violet. Wet places; common. May, June.

- V. fimbriatula** Sm. Sandy fields and dry hillsides; common. Apr., May. A white-flowered form occurs, Colchester, (Jones, N. F. F.). A form with the basal lobes coarsely toothed occurs, shore of Burlington Bay (Brainerd).
- V. incognita** Brain. Low moist woodlands; rare. May. Burlington, (Grout).
- V. lanceolata** L. Lance-leaved Violet. Moist meadow, Williston, (Bates). May, June.
- V. latiuscula** Greene. Dry open woods, in light soil; occasional. May. Burlington and Colchester, (Brainerd); Williston, (Ross).
- V. nephrophylla** Greene. Cold mossy bogs and borders of streams. Apr., May. Colchester, (Brainerd); South Burlington, (Jones).
- V. pallens** (Banks) Brain. White Violet. Low wet grounds; common. May.
- V. pubescens** Ait. Downy Yellow Violet. Rich woods; common. Apr., May.
- V. renifolia** Gray. White Violet. Wet mossy woods and swamps; occasional. May.
- V. rostrata** Pursh. Long-spurred Violet. Rich woods; frequent. Apr., May.
- V. rotundifolia** Michx. Round-leaved or Early Yellow Violet. Cool moist woods; frequent. Apr., May.
- V. scabriuscula** Schwein. Smooth Yellow Violet. Rich moist woods; frequent. May.
- V. sororia** Willd. Woolly Blue Violet. Moist meadows, alluvial woods, etc.; frequent. May, June. A white-flowered form occurs, Williston, (Ross).
- V. TRICOLOR** L. Pansy, Heart's-ease. Persistent in old gardens. Apr.-Oct.

THYMELAEACEAE. MEZEREUM FAMILY

DAPHNE L. MEZEREUM

- D. MEZEREUM** L. Frequent in gardens and escaped to rocky woods, Burlington, (Jones). Apr.

DIRCA L. LEATHERWOOD. MOOSEWOOD

- D. palustris** L. Wicopy. Moist open woods; frequent. Apr., May.

ELAEAGNACEAE. OLEASTER FAMILY

SHEPHERDIA Nutt.

- S. canadensis** (L.) Nutt. Canadian Buffalo-berry. Rocky bluffs; occasional. Apr., May.

LYTHRACEAE. LOOSESTRIFE FAMILY

DECODON Gmel. SWAMP LOOSESTRIFE

- D. verticillatus** (L.) Ell. Water Willow. Swampy grounds; occasional. July, Aug.

LYTHRUM L. LOOSESTRIFE

- L. ALATUM** Pursh. Waste place, Burlington, (N. F. F.). June, July.

ONAGRACEAE. EVENING PRIMROSE FAMILY

CIRCAEA (Tourn.) L. ENCHANTER'S NIGHTSHADE

- C. alpina** L. Smaller Enchanter's Nightshade. Deep woods; common. July, Aug.
- C. intermedia** Ehrh. Burlington, (Jones); Colchester, (Griffin). July, Aug.
- C. lutetiana** L. Enchanter's Nightshade. Woods; frequent. July, Aug.

EPILOBIUM (Dill.) L. WILLOW-HERB

- E. adenocaulon** Haussk. Northern Willow-herb. Moist places; frequent. July, Aug.

- E. angustifolium** L. Great Willow-herb, Fireweed. Common, especially in newly cleared lands. July-Sept. A white-flowered form occurs, Colchester, (Perkins).
- E. coloratum** Muhl. Purple-leaved Willow-herb. Wet places; common. July, Aug.
- E. densum** Raf. Open low grounds; occasional. July, Aug.
- E. molle** Torr. Bogs; rare. Aug., Sept. Colchester, (Torrey, N. F. F.).

LUDVIGIA L. FALSE LOOSESTRIFE

- L. palustris** (L.) Ell. Water Purslane. Ditches and swamps; common. June-Aug.

OENOTHERA L. EVENING PRIMROSE

- O. biennis** L. Common Evening Primrose. Dry soil; common. July-Sept.
- O. cruciata** Nutt. Small-flowered Evening Primrose. Sandy or gravelly soil; rare. July-Sept. Burlington, (Ross); Colchester, (Ross, Griffin).
- O. LACINIATA** Hill. Sinuate-leaved Evening Primrose. Adventive at Fort Ethan Allen, (Grout). Sept.
- O. muricata** L. Sandy soil, Burlington, (N. F. F.). July-Sept. Further search will probably show this to be frequent.
- O. OAKESIANUS** Robbins. Adventive by roadside, Burlington, (Hazen). July-Sept.
- O. pumila** L. Small Sundrops. Fields; common. June-Aug.
- O. SERRULATA** Nutt. Adventive on railroad embankment, Burlington, (N. F. F.). July-Sept.

HALORAGIDACEAE. WATER MILFOIL FAMILY

MYRIOPHYLLUM (Vaill.) L. WATER MILFOIL

- M. spicatum** L. Shelburne Pond, (Jones); Malletts Bay, (Griffin, N. F. F.). Aug.

ARALIACEAE. GINSENG FAMILY

ARALIA (Tourn.) L.

- A. hispida* Vent. Bristly Sarsaparilla, Wild Elder. Rocky or sandy woodlands; frequent. June, July.
- A. nudicaulis* L. Wild Sarsaparilla. Moist woodlands; common. May, June.
- A. racemosa* L. Spikenard. Rich woodlands; frequent. July, Aug.

PANAX L. GINSENG

- P. quinquefolium* L. Ginseng. Rich and cool woods; rare. July. Burlington, (Ross); Colchester, (Griffin).
- P. trifolium* L. Dwarf Ginseng, Ground-nut. Moist woods; common. May, June.

UMBELLIFERAE. PARSLEY FAMILY

ANGELICA L. ANGELICA

- A. atropurpurea* L. Masterwort. Swamps and moist grounds; frequent. June, July.

CARUM (Rupp.) L. CARAWAY

- C. carvi* L. Caraway. About dwellings and by roadsides; frequent. May, June.

CICUTA L. WATER HEMLOCK

- C. bulbifera* L. Water Hemlock. Swamps; occasional. July.
- C. maculata* L. Spotted Cowbane, Musquash Root. Low grounds; frequent. July.

CONIUM L. POISON HEMLOCK

- C. maculatum* L. Waste places; occasional. July. Burlington, (Grout); Colchester, (Jones).

CRYPTOTAENIA DC. HONEWORT

- C. canadensis* (L.) DC. Moist woods; frequent. June.

DAUCUS (Tourn.) L. CARROT

- D. CAROTA** L. Wild Carrot, Queen Anne's Lace. A common and pernicious weed in meadows, fields, etc. July-Oct. The pink-flowered form is occasional.

ERYNGIUM (Tourn.) L. ERYNGO

- E. VIRGATUM** Lam. Roadside escape from garden, Burlington, (Jones). Aug.

HERACLEUM L. COW PARSNIP

- H. lanatum** Michx. Masterwort. Wet grounds; occasional. June, July.

HYDROCOTYLE (Tourn.) L. WATER PENNYWORT

- H. americana** L. Wet places; common. June-Aug.

LEVISTICUM (Rivin.) Hill. LOVAGE

- L. OFFICINALE** (L.) Koch. Roadside escape from gardens; rare. June, July. Shelburne, (N. F. F.).

OSMORHIZA Raf. SWEET CICELY

- O. Claytoni** (Michx.) Clarke. Woolly Sweet Cicely. Rich woods; frequent. May, June.
- O. longistylis** (Torr.) DC. Smoother Sweet Cicely. Rich moist woods; occasional. May, June.

PASTINACA L. PARSNIP

- P. SATIVA** L. Wild or Poison Parsnip. Roadsides and waste places; common. June-Sept.

SANICULA (Tourn.) L. SANICLE. BLACK SNAKEROOT

- S. canadensis** L. Short-styled Snakeroot. Shaded ledges; frequent. July.
- S. gregaria** Bick. Clustered Snakeroot. Moist rich soil; rare. July, Aug. South Burlington, (Orton); Colchester, (N. F. F.).
- S. marilandica** L. Black Snakeroot. Moist woods; common. June, July.
- S. trifoliata** Bick. Large-fruited Snakeroot. Shelburne, (Boott). Specimen in Gray Herb. July.

SIUM (Tourn.) L. WATER PARSNIP

S. cicutaeifolium Schrank. Wet places; frequent. Aug., Sept.

TAENIDIA Drude.

T. integerrima (L.) Drude. Yellow Pimpernel. Rocky places; occasional. June, July.

ZIZIA Koch.

Z. aurea (L.) Koch. Golden Alexanders, Early or Golden Meadow Parsnip. Moist meadows; common. May, June.

CORNACEAE. DOGWOOD FAMILY

CORNUS (Tourn.) L. CORNEL. DOGWOOD

C. alternifolia L. f. Alternate-leaved Dogwood. Open woods; frequent. May, June.

C. Amomum Mill. Silky Cornel or Dogwood, Kinnikinnik. Low woods and banks; frequent. June, July.

C. canadensis L. Dwarf Cornel, Bunchberry. Cold damp woods; frequent. May, June.

C. circinata L'Her. Round-leaved Cornel or Dogwood. Rocky woodlands; frequent. May, June.

C. paniculata L'Her. Panicked Dogwood. Rich thickets and banks; frequent. June, July.

C. stolonifera Michx. Red-osier Dogwood. Wet places; common. May, June. Occasional blossoms occur all summer.

NYSSA L. TUPELO. PEPPERIDGE. SOUR GUM

N. sylvatica Marsh. Black Gum. Rich soil, generally swampy; rare. May. Burlington, (N. F. F., Jones); Colchester, (Griffin).

ERICACEAE. HEATH FAMILY

ANDROMEDA L.

A. glaucophylla Link. Bog Rosemary. Bogs; frequent. May, June.

ARCTOSTAPHYLOS Adans. BEARBERRY

A. Uva-ursi (L.) Spreng. Red Bearberry. Rocky bluffs and sand plains; rare. May. Burlington, (Perkins); South Burlington, (N. F. F.).

CHAMAEDAPHNE Moench. LEATHER LEAF. CASSANDRA

C. calyculata (L.) Moench. Bogs; frequent. May.

CHIMAPHILA Pursh. PIPSISSEWA

C. umbellata (L.) Nutt. Prince's Pine, Pipsissewa. Dry woods; frequent. July.

CHIOGENES Salisb. CREEPING SNOWBERRY

C. hispidula (L.) T. & G. Moxie Plum, Capillaire. Peat bogs and mossy woods; rare. May. South Burlington; Colchester, (Griffin).

EPIGAEA L. GROUND LAUREL. TRAILING ARBUTUS

E. repens L. Mayflower. Sandy woodlands; common. Apr., May.

GAULTHERIA (Kalm) L. AROMATIC WINTERGREEN

G. procumbens L. Teaberry, Checkerberry. Cool woods; common. July, Aug.

GAYLUSSACIA HBK. HUCKLEBERRY

G. baccata (Wang.) Koch. Black Huckleberry. Sterile fields and thickets; common. May, June.

KALMIA L. LAUREL

K. angustifolia L. Sheep Laurel, Lambkill, Wicky. Sterile fields and peat bogs; common. June, July.

K. polifolia Wang. Pale Laurel. Cold peat bogs; frequent. May, June.

LEDUM (Rupp.) L. LABRADOR TEA

L. groenlandicum Oeder. Cold bogs; frequent. June.

MONESES Salisb. ONE-FLOWERED PYROLA

- M. uniflora** (L.) Gray. Deep cold woods; rare. June. Burlington, (Torrey, N. F. F.).

MONOTROPA L. INDIAN PIPE. PINESAP

- M. Hypopitys** L. Pinesap, False Beech Drops. Rich dry woods; occasional. July-Sept.
- M. uniflora** L. Indian Pipe, Corpse Plant. Dark rich woods; common. June-Aug.

PTEROSPORA Nutt. PINE DROPS

- P. andromedea** Nutt. Pine woods; rare. July, Aug. Williston, (Pringle); Colchester, (Bates, Ross).

PYROLA (Tourn.) L. WINTERGREEN. SHIN LEAF

- P. americana** Sweet. Round-leaved Wintergreen. Open or sandy woods; occasional. July.
- P. asarifolia** Michx., var. **incarnata** (Fisch.) Fern. Bog Wintergreen. Sphagnum bogs; rare. July. South Burlington, (N. F. F.).
- P. chlorantha** Sw. Greenish-flowered Wintergreen. Open woods; frequent. July.
- P. elliptica** Nutt. Shin Leaf. Rich woods; common. July.
- P. secunda** L. One-sided Wintergreen. Rich woods; frequent. July.

RHODODENDRON L.

- R. canadense** (L.) BSP. Rhodora. Swamps; occasional. May, June.
- R. canescens** (Michx.) Don. Swamp or June Pink, Pink Azalea. One bush seen, but unfortunately no specimen taken. May, June. Burlington, (N. F. F.).

VACCINIUM L. BLUEBERRY. CRANBERRY

- V. atrococcum** (Gray) Heller. Black High Blueberry. Swamp, South Burlington, (Jones). May.
- V. canadense** Kalm. Sour-top or Velvet-leaf Blueberry. Cool moist woods; rare. May. Essex, (Jones).
- V. corymbosum** L. High or Swamp Blueberry. Swamps and low thickets; common. May, June.

- V. macrocarpon** Ait. Large or American Cranberry. Peat bogs; occasional. July, Aug.
- V. Oxycoccus** L. Small Cranberry. Cold peat bogs; frequent. June, July. Var. *INTERMEDIUM* Gray. (Var. *ovalifolium* Michx.) Colchester, (Oakes); South Burlington, (Jones).
- V. pennsylvanicum** Lam. Low Sweet or Early Sweet Blueberry. Dry hills, barrens, etc.; common. May.
- V. vacillans** Kalm. Late Low Blueberry. Dry woodlands; common. May, June.

PRIMULACEAE. PRIMROSE FAMILY

ANAGALLIS (Tourn.) L. PIMPERNEL

- A. ARVENSIS** L. Common Pimpernel, Poor Man's Weatherglass. Adventive in garden, Burlington, (N. F. F.). June-Oct.

LYSIMACHIA (Tourn.) L. LOOSESTRIFE

- L. NUMMULARIA** L. Moneywort, Yellow Myrtle. A frequent escape to damp grounds where it is thoroughly established. June, July.
- × **L. producta** (Gray) Fern. Mouth of Winooski River, Burlington, (Eggleston and Jones). July, Aug.
- L. quadrifolia** L. Whorled Loosestrife. Dry thickets; common. June, July.
- L. terrestris** (L.) BSP. Bulb-bearing Loosestrife. Low grounds; common. July, Aug.
- L. thyrsoflora** L. Tufted Loosestrife. Bogs and swamps; frequent. June.

PRIMULA L. PRIMROSE

- P. OFFICINALIS** Jacq. English Cowslip. Roadside escape from garden, Burlington, (Jones). May.

STEIRONEMA Raf.

- S. ciliatum** (L.) Raf. Fringed Loosestrife. Moist thickets; common. July, Aug.
- S. lanceolatum** (Walt.) Gray. Lance-leaved Loosestrife. Low ground along Lake Champlain; rare. July, Aug. Colchester, (Grout and Tracy).

TRIENTALIS (Rupp.) L. CHICKWEED WINTERGREEN

- T. americana* (Pers.) Pursh. (*T. borealis* Raf.) Star Flower. Moist woods and thickets; common. May.

OLEACEAE. OLIVE FAMILY

FRAXINUS (Tourn.) L. ASH

- F. americana* L. White Ash. Rich woods; common. May.
F. nigra Marsh. Black Ash. Swamps and woods; frequent. May.
F. pennsylvanica Marsh. Red Ash. Low grounds; common. May.
F. pennsylvanica Marsh., var. *lanceolata* (Borkh.) Sarg. Green Ash. Shore of Lake Champlain, Burlington, (Jones). May.

SYRINGA L. LILAC

- S. vulgaris* L. Common Lilac. Persistent about old building sites. May, June.

GENTIANACEAE. GENTIAN FAMILY

BARTONIA Muhl.

- B. virginica* (L.) BSP. Yellow Bartonia. Boggy places; rare. July, Aug. South Burlington, (Jones, Ross); Colchester, (N. F. F.).

GENTIANA (Tourn.) L. GENTIAN

- G. Andrewsii* Griseb. Closed Gentian. Moist grounds; frequent. Aug., Sept.
G. quinquefolia L. Stiff Gentian, Ague-weed. Shore of Lake Champlain, South Burlington, (Torrey, Ross). Sept., Oct.

MENYANTHES (Tourn.) L. BUCKBEAN

- M. trifoliata* L. Bogs and shallow water; occasional. June.

APOCYNACEAE. DOGBANE FAMILY

APOCYNUM (Tourn.) L. DOGBANE. INDIAN HEMP

- A. androsaemifolium* L. Spreading Dogbane. Thickets and fields; common. July-Sept.
A. cannabinum L. Indian Hemp. Moist banks; frequent. July, Aug.

VINCA L. PERIWINKLE

- V. MINOR L. Common Periwinkle, Blue Myrtle. Frequent in old gardens and established in rich woods near dwelling, Shelburne, (N. F. F.). Apr., May.

ASCLEPIADACEAE. MILKWEED FAMILY

ASCLEPIAS (Tourn.) L. MILKWEED. SILKWEED

- A. amplexicaulis Sm. Blunt-leaved Milkweed. Sandy soil; frequent. July.
- A. incarnata L. Swamp Milkweed. Marshes; common. July, Aug.
- A. phytolaccoides Pursh. Poke Milkweed. Moist copses; rare. July, Aug. Burlington, (Torrey, N. F. F.); Colchester, (N. F. F.).
- A. quadrifolia Jacq. Four-leaved Milkweed. Rocky woods; occasional. June, July.
- A. syriaca L. Common Milkweed or Silkweed. Rich grounds; common. July.

CONVOLVULACEAE. CONVOLVULUS FAMILY

CONVOLVULUS (Tourn.) L. BINDWEED

- C. ARVENSIS L. Field Bindweed. Railroad yard, Burlington, (Jones). July.
- C. JAPONICUS Thunb. California Rose. Occasional in old gardens and an escape by roadside, Essex, (Jones). July.
- C. sepium L. Wild Morning Glory, Hedge Bindweed. Moist thickets, sandy fields, etc.; common. July, Aug.
- C. spithameus L. Upright Bindweed. Dry sandy plains; common. June-Aug.

CUSCUTA (Tourn.) L. DODDER. LOVE VINE

- C. Gronovii Willd. Moist thickets; frequent. July, Aug.

IPOMOEA L. MORNING GLORY

- I. COCCINEA L. Small Red Morning Glory. Adventive in garden, Burlington, (Mrs. Zottman). June-Aug.
- I. PURPUREA (L.) Roth. Common Morning Glory. Frequently spontaneous in gardens and waste places. June-Sept.

POLEMONIACEAE. POLEMONIUM FAMILY

GILIA R. & P.

- G. LINEARIS** (Nutt.) Gray. First seen in 1902, now well established in one station, Burlington, (N. F. F.). June, July.

PHLOX L.

- P. PANICULATA** L. Garden Phlox. Occasionally persistent about old dwellings. Aug., Sept.
- P. SUBULATA** L. Ground or Moss Pink. Rocky hill, Colchester, (Griffin). May, June.

HYDROPHYLLACEAE. WATERLEAF FAMILY

HYDROPHYLLUM (Tourn.) L. WATERLEAF

- H. virginianum** L. Rich woods; common. June.

BORAGINACEAE. BORAGE FAMILY

CYNOGLOSSUM (Tourn.) L. HOUND'S TONGUE

- C. boreale** Fern. Wild Comfrey. Rich woods; rare. June. Burlington, (Torrey, Ross).
- C. OFFICINALE** L. Common Hound's Tongue. Pastures; frequent. June, July.

ECHIUM (Tourn.) L. VIPER'S BUGLOSS

- E. VULGARE** L. Blue-weed, Blue Devil. Becoming frequent along railroads and occasional as a weed elsewhere. June-Oct.

LAPPULA (Rivin.) Moench. STICKSEED

- L. ECHINATA** Gilib. European Stickseed, Burseed. Waste and cultivated grounds; occasional. Aug.
- L. virginiana** (L.) Greene. Beggar's Lice. Borders of woods; occasional. Aug.

LITHOSPERMUM (Tourn.) L. GROMWELL. PUCCOON

- L. latifolium** Michx. Open ground and borders of woods; rare. June, July. Colchester, (Griffin).

- I. OFFICINALE** L. Common Gromwell. Dry pastures; occasional. June-Aug.

MERTENSIA Roth. LUNGWORT

- M. VIRGINICA** (L.) Link. Virginian Cowslip, Bluebells. A garden escape, Burlington, (Gifford). May. "Since this is a native from the Mississippi Valley reaching eastward to Ontario and New York, it may be expected to persist where established in the Champlain Valley."

MYOSOTIS (Rupp.) L. SCORPION-GRASS. FORGET-ME-NOT

- M. SCORPIOIDES** L. True Forget-me-not. Occasional on banks of Winoski River. June, July.

SYMPHYTUM (Tourn.) L. COMFREY

- S. OFFICINALE** L. Common Comfrey. A garden escape in moist ground, Shelburne, (N. F. F.). June-Sept.

VERBENACEAE. VERVAIN FAMILY

VERBENA (Tourn.) L. VERVAIN

- V. hastata** L. Blue Vervain. Damp ground, roadsides, etc.; common. July-Sept.
- V. urticaefolia** L. White Vervain. Roadsides; common. Aug., Sept.

LABIATAE. MINT FAMILY

AGASTACHE Clayt. GIANT HYSSOP

- A. scrophulariaefolia** (Willd.) Ktze. Thickets; rare. Aug., Sept. Essex, (N. F. F.).

AJUGA L. BUGLE WEED

- A. GENEVENSIS** L. Adventive in lawn, Burlington, (Jones). June.

GALEOPSIS L. HEMP NETTLE

- G. TETRAHIT** L. Common Hemp Nettle. Waste places; frequent. July-Sept.

HEDEOMA Pers. MOCK PENNYROYAL

- H. hispida** Pursh. Adventive in garden, Burlington, (Hollister); Colchester, (Griffin). June, July.
- H. pulegioides** (L.) Pers. American Pennyroyal. Dry fields; frequent. July, Aug.

LAMIUM (Tourn.) L. DEAD NETTLE

- L. amplexicaule** L. Henbit. Cultivated ground; rare. June-Aug. South Burlington, (N. F. F.).
- L. maculatum** L. Spotted Dead Nettle, Flowering Sage. Roadside escape from garden, Essex, (N. F. F.). May-Oct.

LEONURUS L. MOTHERWORT

- L. cardiaca** L. Common Motherwort. Waste places; common. July, Aug.

LYCOPUS (Tourn.) L. WATER HOREHOUND

- L. americanus** Muhl. Cut-leaved Bugle Weed. Moist soil; common. Aug., Sept.
- L. uniflorus** Michx. Bugle Weed. Moist places; common. Aug., Sept.

MENTHA (Tourn.) L. MINT

- M. arvensis** L., var. **canadensis** (L.) Briq. Wild Mint. Wet places; common. July, Aug.
- M. gentilis** L. Spotted or Whorled Mint. Occasional in waste places and about old dwellings. July-Sept.
- M. piperita** L. Peppermint. Along brooks; rare. Aug., Sept. Essex and Shelburne, (N. F. F.); South Burlington, (Mrs. Walker).
- M. spicata** L. Spearmint. Wet ground, Burlington, (N. F. F.). Aug., Sept.

MONARDA L. HORSE MINT

- M. mollis** L. Wild Bergamot. Dry grounds; rare. July, Aug. Burlington, (Jones); Shelburne, (Mrs. Gebhardt).
- M. punctata** L. Horse Mint. Sandy ground; rare. July-Sept. Colchester and Burlington, (N. F. F.); Essex, (Jones and Howe).

NEPETA (Rivin.) L. CAT MINT

- N. cataria** L. Catnip. Dry pastures; common. July-Sept.

- N. HEDERACEA** (L.) Trev. Ground Ivy, Gill-over-the-ground. Moist shady places; frequent. Apr., May.

PHYSOSTEGIA Benth. FALSE DRAGON HEAD

- P. virginiana** (L.) Benth. Lion's Heart. Wet ground; rare. July, Aug. Colchester, (Griffin).

PRUNELLA L. SELF-HEAL

- P. vulgaris** L. Heal-all, Carpenter-weed. Woods and fields; common. June-Sept. A white-flowered form is occasional.

PYCNANTHEMUM Michx. MOUNTAIN MINT. BASIL

- P. flexuosum** (Walt.) BSP. Narrow-leaved Mountain Mint. Dry ground; rare. Aug. Williston, (N. F. F.); Colchester, (Ross).
P. verticillatum (Michx.) Pers. Colchester, (Grout). Aug.
P. virginianum (L.) Durand & Jackson. Dry woods, South Burlington, (N. F. F.). Aug.

SATUREJA (Tourn.) L. SAVORY. CALAMINT

- S. ACINOS** (L.) Scheele. Basil Thyme. Rocky headland of Lake Champlain, Burlington, (N. F. F.). June, July.
S. HORTENSIS L. Summer Savory. A garden escape, Burlington, (Mrs. Walker). Aug., Sept.
S. vulgaris (L.) Fritsch. Basil. Rocky woods and thickets; frequent. July-Sept.

SCUTELLARIA (Rivin.) L. SKULLCAP

- S. galericulata** L. Marsh Skullcap. Wet shady places; frequent. July, Aug.
S. lateriflora L. Mad-dog Skullcap. Wet shady places; common. July-Sept.
S. parvula Michx. Small Skullcap. Rocky headlands of Lake Champlain; rare. June. Burlington and South Burlington, (Jones).

STACHYS (Tourn.) L. HEDGE NETTLE

- S. tenuifolia** Willd., var. **aspera** (Michx.) Fern. Rough Hedge Nettle, Woundwort. Moist grounds; occasional. July, Aug.

TEUCRIUM (Tourn.) L. GERMANDER

- T. canadense** L. American Germander, Wood Sage. Shores of Lake Champlain; frequent. Aug.

TRICHOSTEMA L. BLUE CURLS

- T. dichotomum** L. Bastard Pennyroyal. Sandy fields; local. Aug., Sept. Burlington, (N. F. F.); Colchester, (N. F. F., Griffin).

SOLANACEAE. NIGHTSHADE FAMILY

DATURA L. JAMESTOWN or JIMSON WEED. THORN APPLE

- D. STRAMONIUM** L. Stramonium. Waste places; occasional. July-Sept.
- D. TATULA** L. Purple Thorn Apple. Occasionally adventive. July-Sept.

LYCIUM L. MATRIMONY VINE

- L. HALIMIFOLIUM** Mill. Common Matrimony Vine. An escape near waste ground, Burlington, (N. F. F.). May-Sept.

NICANDRA Adans. APPLE OF PERU

- N. PHYSALODES** (L.) Pers. Waste grounds; rare. July, Aug. Burlington, (Ross, N. F. F.).

PHYSALIS L. GROUND CHERRY

- P. HETEROPHYLLA** Nees. One form occurs. Var. **AMBIGUA** (Gray) Rydb. Clammy Ground Cherry. Local. July-Sept. Burlington, (N. F. F., Jones).
- P. IXOCARPA** Brot. Tomatillo. Adventive by roadside, Colchester, (Mrs. Walker). Aug., Sept.
- P. PERUVIANA** L. Husk Tomato. Adventive on bank of Winooski River, Burlington, (Jones). Aug.
- P. PRUINOSA** L. Strawberry Tomato. Adventive by roadside, Colchester, (Mrs. Walker). Aug., Sept.

SOLANUM (Tourn.) L. NIGHTSHADE

- S. DULCAMARA** L. Bittersweet, Climbing Nightshade. Moist thickets; frequent. June-Aug.

S. nigrum L. Common Nightshade. Moist shaded grounds; frequent. July-Sept.

S. ROSTRATUM Dunal. Adventive in garden, Burlington, (Helyer). Aug.

SCROPHULARIACEAE. FIGWORT FAMILY

CHELONE (Tourn.) L. TURTLEHEAD. SNAKEHEAD

C. glabra L. Balmony. Wet places; frequent. Aug., Sept.

GERARDIA (Plum.) L. GERARDIA

G. paupercula (Gray) Britton. Small-flowered Gerardia. Sandy shore of Lake Champlain, Colchester, (N. F. F., Griffin). Aug., Sept.

G. tenuifolia Vahl. Slender Gerardia. Moist ground; local. Aug., Sept. Colchester, (Perkins, N. F. F., Ross).

GRATIOLA (Rupp.) L. HEDGE HYSSOP

G. aurea Muhl. Golden Hedge Hyssop. Wet sandy shore of Lake Champlain, Colchester, (Perkins, N. F. F., Griffin). July, Aug.

G. virginiana L. Clammy Hedge Hyssop. Wet shores and ditches; occasional. June-Sept.

ILYSANTHES Raf. FALSE PIMPERNEL

I. dubia (L.) Barnh. Short-stalked False Pimpernel. Wet shores; frequent. Aug., Sept.

LINARIA (Tourn.) Hill. TOADFLAX

L. VULGARIS Hill. Ramsted, Butter-and-Eggs. Fields and roadsides; common. July-Oct.

MELAMPYRUM (Tourn.) L. COW WHEAT

M. lineare Lam. Dry woodlands; frequent. July, Aug.

MIMULUS L. MONKEY FLOWER

M. ringens L. Wet places; common. July, Aug.

PEDICULARIS (Tourn.) L. LOUSEWORT

P. canadensis L. Common Lousewort, Wood Betony. Thickets; frequent. May, June.

PENTSTEMON (Mitch.) Ait. BEARD-TONGUE

- P. LAEVIGATUS** Ait., var. **DIGITALIS** (Sweet) Gray. Moist or rich soil; rare. June, July. Colchester, (Griffin); South Burlington, (Mrs. Walker).

SCROPHULARIA (Tourn.) L. FIGWORT

- S. leporella** Bick. Meadows and fence rows; occasional. June, July.
S. marilandica L. Damp grounds; occasional. July, Aug.

VERBASCUM (Tourn.) L. MULLEIN

- V. BLATTARIA** L. Moth Mullein. Roadsides; rare. June, July. Burlington and Essex, (N. F. F.).
V. THAPSUS L. Common Mullein. Fields, etc.; common. July-Sept.

VERONICA (Tourn.) L. SPEEDWELL

- V. americana** Schwein. American Brooklime. Wet grounds; frequent. June, July.
V. ARVENSIS L. Corn Speedwell. Rocky woods; frequent. May, June.
V. officinalis L. Common Speedwell. Dry hills and open woods; occasional. May, June.
V. PEREGRINA L. Neckweed, Purslane Speedwell. Gardens and waste places; occasional. May, June.
V. scutellata L. Marsh Speedwell. Swamps and wet places; common. June-Aug.
V. serpyllifolia L. Thyme-leaved Speedwell. Damp grassy grounds; common. May-July.

LENTIBULARIACEAE. BLADDERWORT FAMILY

UTRICULARIA L. BLADDERWORT

- U. intermedia** Hayne. Edge of swamp, Colchester, (N. F. F.). June, July.
U. vulgaris L., var. **americana** Gray. Greater Bladderwort. Ponds and slow streams; frequent. July, Aug.

OROBANCHACEAE. BROOM-RAPE FAMILY

EPIFAGUS Nutt. BEECH-DROPS. CANCER-ROOT

E. virginiana (L.) Bart. Under beech trees; common. Sept.

OROBANCHE (Tourn.) L. BROOM-RAPE

O. uniflora L. One-flowered Cancer-root. Dry woodlands; rare. May-July. Burlington, (Jones, Mrs. Walker).

PHRYMACEAE. LOPSEED FAMILY

PHRYMA L. LOPSEED

P. Leptostachya L. Moist open woods; occasional. July, Aug.

PLANTAGINACEAE. PLANTAIN FAMILY

PLANTAGO (Tourn.) L. PLANTAIN. RIBWORT

P. ARISTATA Michx. Large-bracted Plantain. Adventive at Experiment Farm, Burlington, (Jones); dry sand, Colchester, (N. F. F.). July, Aug.**P. LANCEOLATA** L. Rib or Ripple Grass, English Plantain. Grass land; common. June-Aug.**P. major** L. Common Plantain. Waysides; common. July-Sept.**P. Rugelii** Dcne. With the preceding species and even more common. July-Sept.

RUBIACEAE. MADDER FAMILY

CEPHALANTHUS L. BUTTONBUSH

C. occidentalis L. Swamps; frequent. July, Aug.

GALIUM L. BEDSTRAW. CLEAVERS

G. Aparine L. Cleavers, Goose Grass. Rich shaded grounds; occasional. May, June. Burlington and South Burlington, (N. F. F.); Colchester, (Griffin).**G. asprellum** Michx. Rough Bedstraw. Alluvial grounds; common. July.

- G. BOREALE** L. Northern Bedstraw. Edge of woods, Burlington, (N. F. F.). July.
- G. circaezans** Michx. Wild Liquorice. Rich woods; common. July.
- G. Claytoni** Michx. Swamps and bogs; occasional. July-Sept. Burlington and Colchester, (N. F. F.).
- G. lanceolatum** Torr. Wild Liquorice. Dry woods; frequent. July.
- G. MOLLUGO** L. Wild Madder. Adventive in field, Shelburne, (N. F. F.). June, July.
- G. palustre** L. Marsh Bedstraw. Wet meadows and banks; common. June, July.
- G. trifidum** L. Small Bedstraw. Cold bogs and marshy borders of ponds; frequent. July, Aug.
- G. triflorum** Michx. Sweet-scented Bedstraw. Rich woodlands; common. July, Aug.

HOUSTONIA L.

- H. caerulea** L. Bluets, Innocence. Moist grassy places; common. Apr., May. The white flowered form occurs and occasional blossoms may be found all summer.
- H. longifolia** Gaertn. Rocky headlands of Lake Champlain; rare. June.

MITCHELLA L. PARTRIDGE BERRY

- M. repens** L. Cool woods; common. June. A form occurs the leaves of which are variegated with white; Burlington, (N. F. F.).

CAPRIFOLIACEAE. HONEYSUCKLE FAMILY

DIERVILLA (Tourn.) Mill. BUSH HONEYSUCKLE

- D. Lonicera** Mill. Rocky woodlands; common. June, July.

LINNAEA (Gronov.) L. TWIN-FLOWER

- L. borealis** L., var. **americana** (Forbes) Rehder. Moist mossy woods and cool bogs; rare. June, July. Shelburne, (Jones); South Burlington, (N. F. F.).

LONICERA L. HONEYSUCKLE

- L. canadensis** Marsh. American Fly Honeysuckle. Moist woods; frequent. Apr., May.

- L. dioica** L. Glaucous Honeysuckle. Dry rocky and sandy woods; frequent. May.
- L. TATARICA** L. Tartarian Honeysuckle. Common in cultivation and a frequent escape in thickets about Burlington. May.

SAMBUCUS (Tourn.) L. ELDER

- S. canadensis** L. Common Elder, Elderberry. Thickets; common. July.
- S. racemosa** L. Red-berried Elder. Rocky woodlands; common. May.

SYMPHORICARPOS (Dill.) Ludwig. SNOWBERRY

- S. racemosus** Michx. Snowberry. Cliffs and rocky headlands; frequent. June.
- S. RACEMOSUS** Michx., var. **LAEVIGATUS** Fern. Garden Snowberry. Common in cultivation and occasionally persistent about old building sites. June, July. Shelburne, (N. F. F.).

TRIOSTEUM L. FEVERWORT. HORSE GENTIAN

- T. perfoliatum** L. Tinker's Weed, Wild Coffee. Edge of swamp, Colchester, (Griffin). May, June.

VIBURNUM (Tourn.) L. ARROW-WOOD. LAURESTINUS

- V. acerifolium** L. Dockmackie, Maple-leaved Arrow-wood. Rocky or sandy woods; common. June.
- V. alnifolium** Marsh. Hobble-bush, Witch Hobble, Moosewood. Cool moist woods; common. May.
- V. cassinoides** L. Withe-rod, Wild Raisin. Swamps; frequent. June.
- V. dentatum** L. Toothed Arrow-wood. Wet places; rare. June, July. Essex and Shelburne, (N. F. F.).
- V. Lentago** L. Sheepberry, Nannyberry, Wild Raisin. Rich moist woods; occasional. May, June.
- V. Opulus** L., var. **americanum** (Mill.) Ait. Cranberry Tree, High-bush Cranberry, Pimbina. Low grounds; occasional. May, June.
- V. pubescens** (Ait.) Pursh. Downy Arrow-wood. Cliffs and rocky hills; frequent. June.

VALERIANACEAE. VALERIAN FAMILY

VALERIANA (Tourn.) L. VALERIAN

- V. officinalis** L. Garden Heliotrope. An occasional roadside escape. June. Burlington and Shelburne, (N. F. F.).

CUCURBITACEAE. GOURD FAMILY

ECHINO CYSTIS T. & G. WILD BALSAM-APPLE

- E. lobata** (Michx.) T. & G. Wild Cucumber. Alluvial banks and waste places; frequent. July-Sept.

SICYOS L. ONE-SEEDED BUR CUCUMBER

- S. angulatus** L. Star Cucumber. River banks and waste places; frequent. July-Sept.

CAMPANULACEAE. BLUEBELL FAMILY

CAMPANULA (Tourn.) L. BELLFLOWER

- C. aparinoides** Pursh. Marsh Bellflower. Low sedgy thickets; occasional. July, Aug.
- C. rapunculoides** L. European Bellflower. An occasional roadside escape. July, Aug.
- C. rotundifolia** L. Harebell, Bluebell. Rocky banks; common. June-Oct.
- C. trachelium** L. Nettle-leaved Bellflower, Throatwort. Adventive, Colchester, (Griffin). Aug.

SPECULARIA (Heist.) Fabric. VENUS'S LOOKING-GLASS

- S. perfoliata** (L.) DC. Dry rocky woodlands; rare. June, July. South Burlington, (N. F. F.).

LOBELIACEAE. LOBELIA FAMILY

LOBELIA (Plum.) L.

- L. cardinalis** L. Cardinal Flower. Low grounds; occasional. Aug.
- L. inflata** L. Indian Tobacco. Fields and pastures; common. July-Sept.

- L. Kalmii** L. Cool moist rocks; occasional. July, Aug.
L. spicata Lam. Moist sandy soil; occasional. July, Aug.

COMPOSITAE. COMPOSITE FAMILY

ACHILLEA (Vail.) L. YARROW

- A. Millefolium** L. Common Yarrow, Milfoil. Dry fields and roadsides; common. July-Oct. The pink-flowered form is occasional.

AMBROSIA (Tourn.) L. RAGWEED

- A. artemisiifolia** L. Roman Wormwood, Hog-weed, Bitter-weed. A common weed everywhere. Aug., Sept.
A. PSILOSTACHYA DC. Adventive in railroad yard, Burlington, (N. F. F.). Aug., Sept.
A. trifida L. Great Ragweed. Moist alluvial soil; local. Williston, (Bates); Burlington, (N. F. F.). Rare as a weed elsewhere. Aug.
 Var. **INTEGRIFOLIA** (Muhl.) T. & G. Burlington, (N. F. F.)

ANAPHALIS DC. EVERLASTING

- A. margaritacea** (L.) B. & H. Pearly Everlasting. Dry hills and woods; common. July-Sept.

ANTENNARIA Gaertn. EVERLASTING. LADIES' TOBACCO. PUSSY'S TOES

- A. canadensis** Greene. Dry and moist ground; frequent. May, June.
A. fallax Greene. In partial shade; frequent. May.
A. neglecta Greene. Old fields; frequent. May.
A. neodioica Greene. Old pastures and fields; frequent. May, June.
A. Parlinii Fern. Dry banks and thickets; rare. May, June. Colchester, (Griffin).
A. petaloidea Fern. Old pastures; rare. May. Shelburne, (Brainerd); Burlington, (Hazen, N. F. F.).
A. plantaginifolia (L.) Richards. Plantain-leaved Everlasting. Dry soil; common. May, June.

ANTHEMIS (Mich.) L. CHAMOMILE

- A. COTULA** L. Mayweed, Dog Fennel. Waste places and roadsides; common. June-Oct.

ARCTIUM L. BURDOCK

- A. *LAPPA* L. Great Burdock. Roadsides; local. July-Sept. Essex, (Jones); Colchester, (N. F. F.).
- A. *MINUS* (Hill) Bernh. Common Burdock. Waste places; common. July-Oct.

ARTEMISIA (Tourn.) L. WORMWOOD

- A. *ABSINTHIUM* L. Wormwood. Roadside, Colchester, (N. F. F.). Aug., Sept.
- A. *BIENNIS* Willd. Abundant around railroad and lumber yards, Burlington. Aug., Sept.
- A. *caudata* Michx. Tall Wormwood. Abundant on sandy bluff of Lake Champlain, Burlington. Aug., Sept.
- A. *VULGARIS* L. Common Mugwort. Waste places and roadsides; common. July, Aug.

ASTER (Tourn.) L. ASTER

- A. *acuminatus* Michx. Cool rich woods; frequent. July, Aug.
- A. *cordifolius* L. Heart-leaved Aster. Woodlands; common. Aug., Sept.
- A. *divaricatus* L. White Wood Aster. Moist woodlands; frequent. Aug., Sept.
- A. *ericoides* L. One form occurs. Var. *PRINGLEI* Gray. Pringle's Aster. Slaty headlands of Lake Champlain; rare. Aug. Shelburne, (Pringle); Burlington.
- A. *lateriflorus* (L.) Britton. Thickets and fields; occasional. Aug., Sept.
- A. *lateriflorus* (L.) Britton, var. *hirsuticaulis* (Lindl.) Porter. Hairy-stemmed Aster. Borders of thickets; common. Aug., Sept.
- A. *linariifolius* L. Stiff Aster. Dry sandy soil; common. Aug., Sept.
- A. *macrophyllus* L. Large-leaved Aster. Moist woods; common. Aug., Sept. Presenting many different forms.
- A. *novae-angliae* L. New England Aster. Moist grounds; rare. Sept. Burlington, (Jones, N. F. F.). Var. *ROSEUS* (Desf.) DC. Burlington, (Miss Moore).
- A. *paniculatus* Lam. Tall White or Panicked Aster. Moist soil; common. Sept. Presenting many different forms.

- A. puniceus** L. Purple-stemmed Aster. Low thickets and swamps; frequent. Sept.
- A. Tradescanti** L. Michaelmas Daisy. Low grounds; common. Sept.
- A. umbellatus** Mill. Flat-topped White Aster. Moist thickets; frequent. Aug., Sept.
- A. undulatus** L. Wavy-leaved Aster. Dry copses; common. Aug., Sept. Variable.
- A. vimineus** Lam. Small White Aster. Moist banks; occasional. Aug.
- A. vimineus** Lam., var. *saxatilis* Fern. Ledges of Winooski River, Williston, (Pringle); Burlington, (N. F. F.). Aug.

BIDENS L. BUR MARIGOLD

- B. Beckii** Torr. Water Marigold. Ponds and deep slow streams; rare. Aug. Shelburne, (Jones); Colchester, (N. F. F., Mrs. Walker).
- B. cernua** L. Stick-tight. Wet places; common. Aug., Sept.
- B. connata** Muhl. Swamp Beggar-ticks. Swamps; occasional. Aug., Sept.
- B. frondosa** L. Common Beggar-ticks. Damp grounds; common. Aug., Sept.

CARDUUS (Tourn.) L. PLUMELESS THISTLE

- C. CRISPUS** L. Adventive, South Burlington, (Chittenden). Aug.

CENTAUREA L. STAR THISTLE

- C. CYANUS** L. Blue Bottle, Bachelor's Button, Corn Flower. Spontaneous in gardens and occasionally adventive elsewhere. June-Sept.

CHRYSANTHEMUM (Tourn.) L. OX-EYE DAISY

- C. LEUCANTHEMUM** L., var. *PINNATIFIDUM* Lecoq & Lamotte. Ox-eye or White Daisy, Marguerite, Whiteweed. A common and pernicious weed in fields and meadows. June-Oct.

CICHORIUM (Tourn.) L. SUCCORY or CHICORY

- C. INTYBUS** L. Common Chicory, Blue Sailors. Roadsides and fields; common in Burlington, less so elsewhere. July, Aug.

CIRSIUM (Tourn.) Hill. COMMON OR PLUMED THISTLE

- C. ARVENSE** (L.) Scop. Canada Thistle. Fields and waste places; common. June-Sept.
- C. LANCEOLATUM** (L.) Hill. Common or Bull Thistle. Pastures and roadsides; common. July-Sept.

DYSSODIA Cav. FETID MARIGOLD

- D. PAPPOSA** (Vent.) Hitchc. Adventive on wool waste, bank of Winoski River, Burlington, (Brainerd). July-Oct.

ERECTITES Raf. FIREWEED

- E. hieracifolia** (L.) Raf. Moist woods, especially in recent clearings; common. July-Sept.

ERIGERON L. FLEABANE

- E. annuus** (L.) Pers. Daisy Fleabane, Sweet Scabious. Fields and waste places; common. June-Sept.
- E. canadensis** L. Horseweed, Butterweed. Waste places, etc.; common. July-Sept.
- E. hyssopifolius** Michx. Wet calcareous rocks; occasional. June, July.
- E. philadelphicus** L. Pink Fleabane. Moist grounds; common. May-July.
- E. pulchellus** Michx. Robin's Plantain. Copses and moist banks; frequent. May, June.
- E. ramosus** (Walt.) BSP. Daisy Fleabane. Fields; common. June-Sept.

EUPATORIUM (Tourn.) L. THOROUGHWORT

- E. perfoliatum** L. Thoroughwort, Boneset. Low grounds; common. Aug., Sept.
- E. purpureum** L., var. **maculatum** (L.) Darl. Joe-Pye Weed, Trumpet Weed. Moist thickets and low grounds; common. July, Aug.
- E. urticaefolium** Reich. White Snakeroot. Moist rich woods; occasional. Aug., Sept.

GALINSOGA R. & P.

- G. PARVIFLORA** Cav. One form occurs. Var. **HISPIDA** DC. First collected in 1891, (Grout), now a common and pernicious garden weed. July-Oct.

GNAPHALIUM L. CUDWEED

- G. decurrens** Ives. Everlasting. Clearings, etc.; frequent. Aug., Sept.
G. polycephalum Michx. Common Everlasting. Old fields and woods; common. Aug., Sept.
G. uliginosum L. Low Cudweed. Moist soil; common. July-Sept.

HELIANTHUS L. SUNFLOWER

- H. ANNUUS** L. Common Sunflower. Occasionally spontaneous in waste places. Aug., Sept.
H. decapetalus L. Thin-leaved Sunflower. Copses and low banks of streams; occasional. Aug., Sept.
H. divaricatus L. Rough or Woodland Sunflower. Thickets and sandy woods; common. July-Sept.
H. PETIOLARIS Nutt. Adventive in garden, Burlington, (Helyer). Aug., Sept.
H. strumosus L. Pale-leaved Wood Sunflower. Dry woods and banks; frequent. Aug., Sept.
H. TUBEROSUS L. Jerusalem Artichoke. Along fences and roadsides; frequent. Sept., Oct.

HELIOPSIS Pers. OX-EYE

- H. SCABRA** Dunal. Adventive in fields and by roadsides. Aug., Sept. Burlington, (Jones); Shelburne, (Mrs. Gebhardt).

HIERACIUM (Tourn.) L. HAWKWEED

- H. AURANTIACUM** L. Orange Hawkweed, Devil's Paint-brush, Grim the Collier. Fields and pastures; a common and pernicious weed. June-Sept.
H. canadense Michx. Canada Hawkweed. Borders of woods; frequent. Aug., Sept.
H. FLORENTINUM All. King Devil. One plant on railroad embankment, Burlington, (N. F. F.); Colchester, (Griffin). June.
H. paniculatum L. Panicked Hawkweed. Open woods; occasional. Aug.
H. PRAEALTUM Goch., var. **DECIPIENS** Koch. Interval land, South Burlington, (Mrs. Walker). June.

- H. scabrum** Michx. Rough Hawkweed. Dry plains and pine woods; frequent. July, Aug.
- H. venosum** L. Rattlesnake-weed, Poor Robin's Plantain. Dry plains and pine woods; frequent. June, July.

INULA L. ELECOMPANE

- I. HELENIUM** L. Elecampane. Roadsides and damp pastures; frequent. Aug.

•LACTUCA (Tourn.) L. LETTUCE

- L. canadensis** L. Wild Lettuce, Horseweed. Rich damp soil, borders of fields and thickets; frequent. July, Aug. Var. **MONTANA** Britton. South Burlington, (N. F. F.). July, Aug.
- L. SCARIOLA** L., var. **INTEGRATA** Gren. & Godr. Prickly Lettuce. Abundant along Rutland R. R. in some localities in Burlington and Colchester, and occasional as a weed elsewhere. July-Sept.
- L. spicata** (Lam.) Hitchc. Tall Blue Lettuce. Low grounds; frequent. July, Aug.

MATRICARIA (Tourn.) L. WILD CHAMOMILE

- M. SUAVEOLENS** (Pursh) Buch. Pine-apple-weed. About waste ground and railroad yards, Burlington, (N. F. F.). June, July.

PRENANTHES (Vaill.) L. RATTLESNAKE-ROOT

- P. alba** L. White Lettuce, Rattlesnake-root. Borders of rich woods; common. Aug., Sept.
- P. altissima** L. Tall White Lettuce. Rich moist woods; frequent. Aug., Sept.
- P. trifoliolata** (Cass.) Fern. Gall-of-the-earth. Thickets and woods; rare. Aug., Sept. Burlington, (Grout); Essex, (N. F. F.); Colchester, (Griffin).

RUDBECKIA L. CONE-FLOWER

- R. HIRTA** L. Yellow Daisy, Black-eyed Susan, Nigger-head. Meadows; common. June-Sept.
- R. laciniata** L. Tall Cone-flower, Thimble-weed. Low thickets; rare. Aug., Sept. High Bridge, (Jones); Burlington, (N. F. F.).

SENECIO (Tourn.) L. GROUNDSEL. RAGWORT. SQUAW-WEED

- S. aureus** L. Golden Ragwort. Moist rocks, High Bridge, (Ross). June, July.
- S. Balsamitae** Muhl. Balsam Groundsel. Rocky banks of Winooski River; frequent. May-July.
- S. Balsamitae** Muhl., var. **praelongus** Greenm. Rocky bank of Winooski River near Twin Bridges, (Jones); Essex, (Ross). June.
- S. obovatus** Muhl. Round-leaved Squaw-weed. Rocky bank of Winooski River, Essex, (Ross). June.
- S. Robbinsii** Oakes. Robbin's Squaw-weed. Wet meadows and swamps; rare. June, July. South Burlington, (Ross); Shelburne, (N. F. F.).
- S. VULGARIS** L. Common Groundsel. A weed in gardens and waste places; occasional. July-Sept.

SILPHIUM L. ROSIN-WEED

- S. PERFOLIATUM** L. Cup Plant. Adventive by roadside, Burlington, (Jones). Aug., Sept.

SOLIDAGO L. GOLDEN-ROD

- S. arguta** Ait. Cut-leaved Golden-rod. Burlington, (Grout). Aug.
- S. bicolor** L. White Golden-rod. Dry copses; common. Aug., Sept.
- S. caesia** L. Blue-stemmed Golden-rod. Rich woodlands; common. Aug., Sept.
- S. canadensis** L. Canada Golden-rod. Borders of thickets and fields; common. Aug., Sept.
- S. graminifolia** (L.) Salisb. Bushy Golden-rod. Moist soil; common. Aug., Sept.
- S. hispida** Muhl. Hairy Golden-rod. Dry shady cliffs and sterile soil; occasional. Aug., Sept.
- S. juncea** Ait. Early Golden-rod. Copses and banks; common. July, Aug.
- S. latifolia** L. Zig-zag Golden-rod. Moist shaded banks; frequent. Aug., Sept.
- S. nemoralis** Ait. Gray or Field Golden-rod. Dry open soil; common. Aug., Sept. A peculiar low form is occasional with the type.

- S. puberula** Nutt. Downy Golden-rod. Sandy soil; common. Aug., Sept.
- S. racemosa** Greene. Rocky banks of Winooski River; occasional. Aug. Winooski Gorge is the station of Pursh's type.
- S. rugosa** Mill. Tall Hairy Golden-rod. Borders of fields and copses; common. Aug., Sept.
- S. serotina** Ait. Late Golden-rod. Thickets, in rich soil; frequent. Aug., Sept.
- S. squarrosa** Muhl. Stout Ragged Golden-rod. Dry woods; frequent. Aug., Sept.
- S. uliginosa** Nutt. Bog Golden-rod. Peat bogs; rare. Sept. South Burlington, (Jones).

SONCHUS (Tourn.) L. SOW THISTLE

- S. ARVENSIS** L. Field Sow Thistle. Shores and waste places; occasional. July-Sept.
- S. ASPER** (L.) Hill. Spiny-leaved Sow Thistle. Waste places; occasional. July-Oct.
- S. OLERACEUS** L. Common Sow Thistle. Waste places; frequent. July-Oct.

TANACETUM (Tourn.) L. TANSY

- T. VULGARE** L. Common Tansy. Roadsides, etc.; frequent. Aug., Sept. Var. **CRISPUM** DC. South Burlington, (Ross); Burlington, (N. F. F.).

TARAXACUM (Haller) Ludwig. DANDELION

- T. ERYTHROSPERMUM** Andrz. Red-seeded Dandelion. Shallow soil about ledges; frequent. Apr., May.
- T. OFFICINALE** Weber. Common Dandelion. Common everywhere. Apr.-Sept.

TRAGOPOGON (Tourn.) L. GOAT'S BEARD

- T. PRATENSIS** L. Roadsides and meadows; occasional. June-Sept.

TUSSILAGO (Tourn.) L. COLTSFOOT

- T. FARFARA** L. Moist clay banks; occasional. Apr., May.

XANTHIUM (Tourn.) L. COCKLEBUR. CLOTBUR

- X. canadense** Mill. Lake shores and river banks; frequent. Aug.,
Sept.
- X. commune** Britton. Shores of Lake Champlain; common. Aug.,
Sept.
- X. echinatum** Murr. Lake shores and river banks; common. Aug.,
Sept.

SUPPLEMENTARY LIST

This is a list of plants which should be sought in the region covered by this Flora, and comprises those plants which are known to have occurred here, but of which no specimen was taken or preserved, those which occur near the limits of this region and may naturally be expected here, and those specimens of which are in the Torrey collection, U. V. M. herbarium, but without locality.

Others have been taken from Perkins' Flora, Thompson's Vermont and an old list of Burlington plants published in the Burlington Free Press about 1845, in the hope that search may reveal some of them.

Osmunda cinnamomea L., var. *frondosa* Gray. Swamps and low copses. May. Charlotte, (Pringle).

Isoetes sp. In water and wet places. Some of these ought to be found here.

Sparganium simplex Huds. In water. July. Charlotte, (Pringle).

Potamogeton alpinus Balbis. Ponds and streams. July, Aug. Hinesburgh Pond, (Jones).

Potamogeton obtusifolius Mertens & Koch. Ponds and streams. July, Aug. Ferrisburgh, (Grout and Eggleston).

Potamogeton angustifolius Berchtold & Presl. Lake Champlain, Milton, (Grout).

Ammophila arenaria (L.) Link. Sandy beaches. Aug., Sept. Reported from Colchester Point, (Jones).

Deschampsia caespitosa (L.) Beauv. Reported from rocky shore of Winooski River, south side, between Essex Junction and Burlington, (Jones). He says the species was undoubted, but no herbarium specimen can be found. June, July.

Holcus lanatus L. Fields and meadows. June, July. Charlotte, (Pringle).

Milium effusum L. Cold damp woods. June. Torrey collection.

Muhlenbergia sylvatica Torr. Moist rocky woods and wooded banks. Aug., Sept. Torrey collection. Ferrisburgh, (Pringle).

- Carex aquatilis* Wahl. Swamps and lake margins. June-Aug. Torrey collection.
- Carex Bicknellii* Britton. Dry rocky soil. June, July. Torrey collection.
- Carex flava* L., var. *rectirostris* Gaudin. Wet margins of springs and low borders of ponds. July, Aug. Torrey collection.
- Carex gynocrates* Wormsk. Swamps and bogs. June-Aug. Burlington, (Torrey); Perkins' Flora.
- Carex polygama* Schkuhr. Bogs and wet shores. May-July. Torrey collection.
- Carex retrorsa* Schwein., var. *Hartii* (Dewey) Gray. Wet places. July, Aug. Torrey collection.
- Carex triceps* Michx., var. *hirsuta* (Willd.) Bailey. Moist fields. June, July. Charlotte, (Pringle).
- Carex trichocarpa* Muhl. Marshes. June, July. Burlington; Perkins' Flora.
- Carex retroflexa* Muhl. Dry open woods. May, June. Burlington, (Torrey); Perkins' Flora.
- Carex vaginata* Tausch. Bogs and mossy woods. June, July. Torrey collection.
- Carex virescens* Muhl. Moist pastures. June, July. Charlotte, (Pringle).
- Scirpus planifolius* Muhl. Dry open fields. May, June. Charlotte, (Pringle).
- Peltandra virginica* (L.) Kunth. Bogs. July. Colchester, (Robbins); Thompson's Vermont.
- Juncus filiformis* L. Wet shores and bogs. June, July. Shore of Lake Champlain, Ferrisburgh, (Robbins); Thompson's Vermont.
- Zigadenus chloranthus* Richards. Calcareous soils. July. Ferrisburgh, (Brainerd).
- Hypoxis hirsuta* (L.) Coville. Meadows and open woods. June, July. Free Press.
- Sisyrinchium gramineum* Curtis. Wet meadows and damp woods. May, June. Burlington, (Macrae); Thompson's Vermont.
- Corallorrhiza odontorhiza* Nutt. Woods. Aug., Sept. Torrey collection. Reported from Mud Pond, Williston, (Bryant).

- Corallorrhiza striata* Lindl. Woods. May, June. Torrey collection.
- Habenaria flava* (L.) Gray. Wet places. June, July. Burlington, (Macrae); Thompson's Vermont.
- Liparis liliifolia* (L.) Richards. Woods. June, July. Found just south of Fort Ethan Allen, but specimen lost.
- Spiranthes lucida* (Eaton) Ames. Moist banks. June, July. Torrey collection. Reported from near Winooski Gorge, (Ross).
- Carya glabra* (Mill.) Spach. Dry woodlands. May. Torrey collection. Ferrisburgh, (Brainerd).
- Corylus americana* Walt. Reported from sand plains, South Burlington, (Howe).
- Quercus Prinus* L. Rocky banks and hillsides. May. Charlotte, (Pringle).
- Ulmus racemosa* Thomas. Rocky woodlands. May. Occurs as a street tree in Burlington.
- Polygonum amphibium* L. Margins of ponds and slow streams. Aug., Sept. Richmond, (Pringle).
- Polygonum Douglasii* Greene. Rocky or sterile soil. Aug., Sept. Charlotte, (Pringle).
- Polygonum hydropiperoides* Michx. Wet places and in shallow water. Aug., Sept. Charlotte, (Pringle).
- Polygonum tenue* Michx. Dry soil. Aug., Sept. Torrey collection. This occurs at Keeseville on opposite side of Lake Champlain.
- Amaranthus paniculatus* L. Weed in garden, Shelburne, (Pringle); Flora of Vermont.
- Ceratophyllum demersum* L. Slow streams and ponds. June, July. Reported from Ferrisburgh. Mouth of Winooski River, (Robbins); Thompson's Vermont.
- Anemonella thalictroides* (L.) Spach. Woods. May. Reported from Burlington, (Benedict).
- Cimicifuga racemosa* (L.) Nutt. Rich woods. July. Torrey collection.
- Ranunculus fascicularis* Muhl. Dry or moist hills. Apr., May. Reported from Burlington, (Benedict, Bigelow).
- Menispermum canadense* L. Banks of streams. June, July. Charlotte, (Pringle). Reported from Ethan Allen Park, Burlington, (Ross). Burlington, (Carey); Thompson's Vermont.

- Arabis canadensis* L. Rocky woods and ravines. June-Aug. Torrey collection. Winooski River, Colchester, (Torrey); Perkins' Flora.
- Arabis lyrata* L. Rocks or sandy shores. May-July. Torrey collection.
- Cardamine bulbosa* (Schreb.) BSP. Wet meadows. May. Torrey collection.
- Radicula Nasturtium-aquaticum* (L.) Britten & Rendle. Brooks, ditches, etc. June-Aug. Charlotte, (Pringle).
- Crataegus anomala* Sarg. Fl. May; fr. Oct.
- Crataegus Brainerdi* Sarg., var. *asperifolia* (Sarg.) Eggl.
- Crataegus Brainerdi* Sarg., var. *Egglestoni* (Sarg.) Robins.
- Crataegus Brainerdi* Sarg., var. *scabrida* (Sarg.) Eggl.
- Crataegus champlainensis* Sarg. Fl. May; fr. Sept., Oct.
- Crataegus Holmesiana* Ashe. Fl. May; fr. Aug., Sept.
- Crataegus macracantha* Lodd, var. *neoluvialis* (Ashe) Eggl. Fl. May; fr. Sept.
- Crataegus macracantha* Lodd, var. *succulenta* (Schrad.) Eggl. Fl. May; fr. Sept.
- Crataegus macrosperma* Ashe, var. *demissa* (Sarg.) Eggl. Fl. May; fr. Sept.
- Crataegus macrosperma* Ashe, var. *pastorum* (Sarg.) Eggl. Fl. May; fr. Sept.
- Crataegus macrosperma* Ashe, var. *pentandra* (Sarg.) Eggl. Fl. May; fr. Sept.
- Crataegus polita* Sarg. Fl. May; fr. Sept.
- Crataegus Pringlei* Sarg. Fl. May; fr. Sept. Charlotte, (Pringle).
- Crataegus Pringlei* Sarg., var. *exclusa* (Sarg.) Eggl. Fl. May; fr. Sept.
- Crataegus Pringlei* Sarg., var. *lobulata* (Sarg.) Eggl. Fl. May; fr. Sept.
- Crataegus pruinosa* (Wendl.) Koch forma *dissona* (Sarg.) Eggl. Fl. May; fr. Oct.
- Crataegus punctata* Jacq., var. *canescens* Britton. Fl. May; fr. Oct.
- Crataegus punctata* Jacq., var. *rubra* Ait. Fl. May, June; fr. Oct.
- Crataegus roanensis* Ashe. Fl. May; fr. Sept.

- Crataegus rotundifolia* Moench, var. *Faxonii* (Sarg.) Eggl. Fl. May; fr. Aug., Sept.
- Desmodium paniculatum* (L.) DC. Copses. July. Charlotte, (Pringle).
- Lespedeza frutescens* (L.) Britton. Open rocky woods. Aug., Sept. Mt. Philo, Charlotte, (Pringle).
- Lespedeza hirta* (L.) Hornem. Dry hills and plains. Aug., Sept. Colchester, (Robbins); Thompson's Vermont.
- Oxalis violacea* L. Rocky places and open woods. May. Free Press.
- Euphorbia Peplus* L. Waste places and cultivated grounds. Aug. Charlotte, (Pringle).
- Euphorbia Preslii* Guss. Dry open soil. July, Aug. Burlington, (Tuckerman); Thompson's Vermont.
- Rhus canadensis* Marsh. Dry rocky banks. May. Charlotte, (Pringle).
- Hypericum majus* (Gray) Britton. Wet or dry open soil. July, Aug. Charlotte, (Pringle).
- Conioselinum chinense* (L.) BSP. Swamps and cold cliffs. Aug., Sept. Burlington, (Macrae); Thompson's Vermont.
- Cornus florida* L. Dry woods. May. Free Press.
- Lyonia ligustrina* (L.) DC. Moist thickets. June, July. Torrey collection.
- Pyrola secunda* L., var. *obtusata* Turcz. Reported from South Burlington, (Ross).
- Rhododendron canescens* (Michx.) G. Don. Woods and gravelly shores. May, June. Reported from Burlington, (N. F. F.).
- Rhododendron viscosum* (L.) Torr. Swamps. June, July. Free Press.
- Vaccinium corymbosum* L., var. *amoenum* (Ait.) Gray. Swamps and low thickets. May, June. Charlotte, (Pringle).
- Gentiana crinita* Froel. Low grounds. Sept. Torrey collection.
- Gentiana linearis* Froel. Bogs and wet rocks. Aug. Torrey collection. Hinesburgh, (Horsford).
- Halenia deflexa* (Sm.) Griseb. Damp and cool woods. Aug., Sept. Charlotte, (Horsford and Pringle).
- Asclepias incarnata* L., var. *pulehra* (Ehrh.) Pers. Swamps. July, Aug. Torrey collection.

- Lithospermum arvense** L. Sandy fields and roadsides. May-Aug. Charlotte, (Pringle).
- Lycopsis arvensis** L. Dry or sandy fields and waste places. July. Torrey collection.
- Pycnanthemum muticum** (Michx.) Pers. Reported from bank of Winoski River, Colchester, (Grout).
- Gerardia flava** L. Open woods. July, Aug. Torrey collection.
- Gerardia pedicularia** L. Dry copses. July, Aug. Torrey collection.
- Pentstemon hirsutus** (L.) Willd. Dry or rocky grounds. June, July. Charlotte, (Pringle). Torrey collection.
- Veronica Anagallis-aquatica** L. Brooks and ditches. June-Aug. Reported from Williston, (Bryant).
- Veronica virginica** L. Rich soil. July, Aug. Colchester, (Oakes); Thompson's Vermont.
- Conopholis americana** (L. f.) Wallr. Rock Pt., Burlington, (Macrae); Thompson's Vermont.
- Dianthera americana** L. In water. July, Aug. Ferrisburgh, (Paddock).
- Littorella uniflora** (L.) Asch. In water or on gravelly shores. Aug., Sept. "Ought to be found here on lake shore." Pringle.
- Dipsacus sylvestris** Huds. Roadsides. July, Aug. Charlotte, (Pringle).
- Lobelia Dortmanna** L. Borders of ponds. Aug. Torrey collection. Shelburne Pond, (Perkins); Perkins' Flora.
- Aster juncus** Ait. Swamps and bogs. Aug. Ought to be found here.
- Aster novi-belgii** L. Low grounds. Aug., Sept. Torrey collection.
- Bidens vulgata** Greene. Has been confused with **B. frondosa** and should be sought in moist places and by roadsides. Aug., Sept.
- Cirsium discolor** (Muhl.) Spreng. Rich soil. Aug., Sept. Ferrisburgh, (Brainerd).
- Hieracium Gronovii** L. Sandy soil. Aug., Sept. Burlington, (Torrey); Perkins' Flora.
- Hieracium marianum** Willd. Open woods and clearings. June-Aug. Torrey collection.
- Lactuca hirsuta** Muhl. Dry open ground. July. Charlotte, (Pringle).

- Lactuca integrifolia** Bigel. Rich thickets. July, Aug. Reported from Burlington, (Ross).
- Onopordum Acanthium** L. Roadsides and waste places. July, Aug. Charlotte, (Pringle). Dry pastures, Williston, (Robbins); Thompson's Vermont.
- Petasites palmatus** (Ait.) Gray. Swamps. May, June. Charlotte, (Pringle).
- Prenanthes serpentaria** Pursh. Dry open soil. Aug., Sept. Torrey collection.

STATISTICAL SUMMARIES

In the following summaries varieties and hybrids are counted with species. When, however, in Tables II and III the numbers are the same, precedence in the list is given to the family or genus having the fewer varieties and hybrids. The summaries include the species recognized in the list of "Additions and Corrections."

I. NUMBERS AND SYSTEMATIC DISTRIBUTION OF SPECIES

	Native	Foreign	Total
Pteridophytes	67	0	67
Spermatophytes	895	278	1172
Totals	962	278	1240

II. DISTRIBUTION OF SPECIES AND VARIETIES AMONG THE PRINCIPAL FAMILIES

INCLUDING ALL HAVING 15 OR MORE SPECIES

	Genera	Species and varieties		
		Native	Foreign	Total
Cyperaceae	7	128	0	128
Compositae	37	84	37	121
Gramineae	44	74	37	111
Rosaceae	16	56	9	65
Ranunculaceae	11	31	5	36
Polypodiaceae	15	36	0	36
Orchidaceae	12	34	0	34
Leguminosae	14	13	20	33
Cruciferae	15	15	18	33
Labiatae	18	18	14	32
Ericaceae	16	30	0	30
Polygonaceae	4	16	13	29
Umbelliferae	16	15	6	21
Liliaceae	17	20	4	24
Caryophyllaceae	10	8	16	24
Salicaceae	2	16	6	22
Scrophulariaceae	12	16	5	21
Violaceae	1	18	1	19
Najadaceae	2	18	0	18
Caprifoliaceae	7	15	2	17
Onagraceae	4	13	3	16
Urticaceae	10	10	5	15
The other 89 families	168	279	76	355

III. THE PRINCIPAL GENERA

INCLUDING ALL HAVING 10 OR MORE SPECIES

Genera	Species	Genera	Species
Carex	94	Salix	15
Viola	19	Ranunculus	15
Polygonum	18	Scirpus	12
Potamogeton	18	Habenaria	11
Aster	16	Crataegus	11
Penicum	16	Galium	10
Solidago	15	Juncus	10

ADDITIONS AND CORRECTIONS

- Preface. After C. G. Hinsdale, Boston, Mass., insert—A. S. Hitchcock, Washington, D. C.
- Page 14. Insert—*Panicum linearifolium* Scribn. Woods. June-Aug. Burlington, (Hitchcock).
- Page 16. Third line from bottom, before *HORDEUM SATIVUM* Jessen, insert—*AVENA SATIVA* L., Oat.
- Page 19. Sixteenth line from bottom, for var. *irrigua* (Wahlenb.) Fern, read var. *pallens* Fern.
- Page 20. Twelfth line from top, for "Low open ground; frequent." read "Essex Junction, (Brainerd)."
- Page 35. Tenth line from bottom, before "South Burlington, (N. F. F.)" insert—Burlington, (Torrey).
- Page 45. Omit first, second and third lines. Before *DENTARIA* insert—
CONRINGIA (Heist.) Adans. HARE'S-EAR MUSTARD
C. *ORIENTALIS* (L.) Dumort. Adventive in railroad yards, Burlington, (N. F. F.). June, July.
- Page 53. Tenth line from bottom, for "(Torrey)" read "(Benedict)."
- Page 65. Seventh line from top, for "Colchester, (Torrey, N. F. F.)," read "Burlington, (Torrey); Colchester, (N. F. F.)."
- Page 65. Twelfth line from bottom, after "Fort Ethan Allen, (Grout)," insert—railroad yard, Burlington, (N. F. F.).
- Page 73. Fourth line from bottom, for "*I. COCCINEA* L." read "*I. COCCINEA* L. var. *hederifolia* (L.) Gray."
- Page 80. Ninth line from top, for "Burlington and Essex, (N. F. F.)," read "Burlington, (Torrey, N. F. F.); Essex, (N. F. F.)."
- Page 80. Tenth line from bottom, for "Blue Bottle" read "Bluebottle."
- Page 94. Sixth line from top, after "those" insert—a comma.

INDEX

- Abele 29
Abies 6
Abutilon 61
Acacia, False 55
Acalypha 57
Acer 59
Aceraceae 59
Achillea 85
Acnida 37
Acorus 23
Actaea 40
Adder's Mouth 29
 Green 29
Adder's Tongue 4
 Family 4
 Yellow 25
Adiantum 1
Adlumia 44
Aesculus 59
Agastache 75
Agrimonia 49
Agrimony 49
 Tall Hairy 49
 Woodland 49
Agropyron 9
Agrostemma 38
Agrostis 10
Ague-weed 72
Aizoaceae 38
Ajuga 75
Alder 31
 Black 58
 Downy Green 31
 Hoary 31
 Smooth 32
 Speckled 31
Alder-leaved Buck-
 thorn 60
Alfalfa 54
Alisma 9
Alismaceae 9
Allegheny Vine 44
Allium 25
Allspice, Wild 43
Alnus 31
Alopecurus 10
Alsike Clover 55
Alternate-leaved Dog-
 wood 68
Alyssum, Hoary 45
 Sweet 46
Amaranth 37
 Family 37
 Green 37
 Prostrate 37
 Thorny 37
Amaranthaceae 37
Amaranthus 37
Ambrosia 85
Amelanchier 49
American Aspen 30
 Beech 32
 Bladder Nut 59
 Brooklime 80
 Cranberry 71
 Elm 34
 Fly Honeysuckle 82
 Germander 78
 Hop Hornbeam 32
 Hornbeam 32
 Larch 6
 Mountain Ash 51
 Orpine 48
 Pennyroyal 76
 White Hellebore 26
 Yew 6
Amphicarpa 53
Anacardiaceae 58
Anagallis 71
Anaphalis 85
Andromeda 69
Andropogon 10
Anemone 41
 Cut-leaved 41
 Long-fruited 41
 Round-headed 41
 Tall 41
 Wood 41
Angelica 66
Antennaria 85
Anthemis 85
Anthoxanthum 10
Apios 53
Apocynaceae 72
Apocynum 72
Appalachian Cherry 51
Apple 51
 of Peru 78
 Purple Thorn 78
 Thorn 78
Aquifoliaceae 58
Aquilegia 41
Arabis 44
Araceae 23
Aralia 66
Araliaceae 66
Arbor Vitae 7
Arbutus, Trailing 69
Arceuthobium 34
Arctium 86
Arctostaphylos 69
Arenaria 38
Arethusa 27
Arisaema 23
Aristida 10
Aristolochiaceae 34
Aromatic Winter-
 green 69
Arrhenatherum 10
Arrow Grass Family 9
Arrow-head 9
Arrow-leaved Tear-
 thumb 36
Arrow-wood 83
 Downy 83
 Maple-leaved 83
 Toothed 83
Artemisia 86
Artichoke, Jerusa-
 lem 89
Arum, Dragon 23
 Family 23
 Water 23
Asarabacca 34
Asarum 34
Asclepiadaceae 73
Asclepias 73
Ash 72
 American Moun-
 tain 51
 Black 72
 European Moun-
 tain 51
 Green 72
 Northern Prickly 56
 Prickly 56
 Red 72

- White 72
 Ash-leaved Maple 59
 Spiraea 53
 Asparagus 25
 Garden 25
 Aspen 29
 American 30
 Large-toothed 30
 Aspidium 1
 Asplenium 2
 Aster 86
 Flat-topped White 87
 Hairy-stemmed 87
 Heart-leaved 86
 Large-leaved 86
 New England 86
 Panicked 86
 Pringle's 86
 Purple-stemmed 87
 Small White 87
 Stiff 86
 Tall White 86
 Wavy-leaved 87
 White Wood 86
 Astragalus 53
 Avena 100
 Avens 50
 Purple 50
 Rough 50
 Water 50
 White 50
 Yellow 50
 Awned Cyperus 21
 Wheat Grass 9
 Azalea, Pink 70
 Bachelor's Button 87
 Balm of Gilead 30
 Fir 6
 Balmony 79
 Balsam 60
 Fir 6
 Groundsel 91
 Poplar 29
 Balsam-apple, Wild 84
 Balsaminaceae 60
 Baneberry 40
 Red 40
 White 40
 Barbarea 44
 Barberry 43
 Common 43
 Family 43
 Barley 13, 16
 Egyptian 13
 Barnyard Grass 12
 Barren Strawberry 53
 Bartonia 72
 Yellow 72
 Basil 77
 Thyme 77
 Basswood 61
 Bastard Pennyroyal 78
 Toad-flax 34
 Beach Heather 62
 Pea 54
 Beak Rush 22
 Beaked Hazelnut 32
 Willow 31
 Bean, Wild 53
 Bearberry 69
 Red 69
 Beard, Goat's 92
 Grass 10
 Bearded Darnel 13
 Beard-tongue 80
 Bedstraw 81
 Marsh 82
 Northern 82
 Rough 81
 Small 82
 Sweet-scented 82
 Beech 32
 American 32
 Blue 32
 Family 32
 Fern 3
 Water 32
 Beech-drops 81
 False 70
 Beggar's Lice 74
 Beggar's-ticks, Com-
 mon 87
 Swamp 87
 Bellflower 84
 European 84
 Marsh 84
 Nettle-leaved 84
 Bellwort 26
 Large-flowered 26
 Sessile-leaved 26
 Benjamin Bush 43
 Bent Grass 10
 Benzoin 43
 Berberidaceae 43
 Berberis 43
 Bergamot, Wild 76
 Berry, Partridge 82
 Pigeon 37
 Service 49
 Berteroa 45
 Betony, Wood 79
 Betula 32
 Betulaceae 31
 Bidens 87
 Bindweed 73
 Black 35
 Field 73
 Fringed Black 35
 Hedge 73
 Upright 73
 Birch 32
 Black 32
 Canoe 32
 Cherry 32
 Family 32
 Gray 32
 Old Field 32
 Paper 32
 Sweet 32
 White 32
 Yellow 32
 Bird Cherry 51
 Birthroot 26
 Birthwort Family 34
 Bishop's Cap 48
 Bitter Cress 45
 Dock 36
 Bitternut Hickory 31
 Bittersweet 58, 78
 Climbing 58
 Shrubby 58
 Bitter-weed 85
 Black Alder 58
 Ash 72
 Bindweed 35
 Birch 32
 Chokeberry 51
 Cohosh 41
 Dewberry 52
 Gum 68
 High Blueberry 70
 Huckleberry 69
 Larch 6
 Medick 54
 Mustard 45
 Oak 33
 Raspberry 52
 Snakeroot 41, 67
 Spruce 6
 Sugar Maple 59
 Willow 30
 Blackberry, High
 Bush 52
 Recurred 52
 Running Swamp 52

- Black-eyed Susan 90
 Black-fruited Mountain Rice 14
 Bladder Campion 39
 Fern 2
 Ketmia 61
 Nut 59
 Nut Family 59
 Bladderwort 80
 Family 80
 Greater 80
 Blite, Strawberry 37
 Bloodroot 43
 Blue Beech 32
 Bottle 87
 Cohosh 43
 Curls 78
 Devil 74
 Flag 27
 Myrtle 73
 Sailors 87
 Vervain 75
 Vetch 55
 Bluebell 84
 Family 84
 Bluebells 75
 Blueberry 70
 Black High 70
 Early Sweet 71
 High 70
 Late Low 71
 Low Sweet 71
 Sour-top 70
 Swamp 70
 Velvet-leaf 70
 Bluets 82
 Blue-eyed Grass 27
 Blue-joint Grass 11
 Blue-stemmed Golden-rod 91
 Blue-weed 74
 Blunt-leaved Milkweed 73
 Sandwort 38
 Blunt-lobed Woodsia 3
 Boehmeria 33
 Bog Club Moss 5
 Golden-rod 92
 Rosemary 69
 Rush 24
 Spruce 6
 Willow 30
 Wintergreen 70
 Boneset 88
 Boott's Shield Fern 1
 Borage Family 74
 Boraginaceae 74
 Botrychium 4
 Bottle, Blue 87
 Grass 16
 Bottle-brush Grass 13
 Bouncing Bet 39
 Box Elder 59
 Brachyelytrum 10
 Bracken 3
 Brake 3
 Cliff 3
 Purple Cliff 3
 Rock 2
 Slender Rock 2
 Bramble 52
 Brasenia 40
 Brassica 45
 Brier, Cat 26
 Green 26
 Bristly Crowfoot 42
 Foxtail Grass 16
 Sarsaparilla 66
 Broad Beech Fern 3
 Broad-fruited Bur-reed 7
 Broad-leaved Spring Beauty 40
 Brome Grass 11
 Bromus 11
 Brooklime, American 80
 Broom Beard Grass 10
 Broom-rape 81
 Family 81
 Brown Beak Rush 22
 Brownish-fruited Rush 24
 Buckbean 72
 Buckeye 59
 Buckthorn 60
 Alder-leaved 60
 Common 60
 Family 60
 Buckwheat 35
 Climbing False 36
 Family 36
 Buffalo-berry, Canadian 64
 Buffalo Currant 48
 Bugbane 41
 Bugle Weed 75, 76
 Bugloss, Viper's 74
 Bulb-bearing Loosestrife 71
 Bulbous Buttercup 42
 Crowfoot 42
 Bull Thistle 88
 Bulrush 22
 Great 22
 River 22
 Bunchberry 68
 Bur Clover 54
 Grass 11
 Marigold 87
 Oak 33
 Burdock 86
 Common 86
 Great 86
 Burnet 53
 Garden 53
 Bur-reed 7
 Broad-fruited 7
 Family 7
 Burseed 74
 Bush, Benjamin 43
 Clover 54
 Fever 43
 Honeysuckle 82
 Rock Shad 49
 Shad 49
 Shore Shad 49
 Spice 43
 Steeple 53
 Bushy Golden-rod 91
 Butter-and-Eggs 79
 Buttercup 42
 Bulbous 42
 Creeping 42
 Swamp 43
 Tall 42
 Butternut 31
 Butterweed 88
 Buttonbush 81
 Buttonwood 49
 Cabbage, Skunk 23
 Calamus 23
 Calamagrostis 11
 Calamint 77
 California Rose 73
 Calla 23
 Wild 23
 Callitrichaceae 57
 Callitriche 57
 Calopogon 27
 Caltha 41
 Camelina 45
 Campanula 84
 Campanulaceae 84
 Campion 38, 39
 Bladder 39

INDEX

- Red 39
 White 38
 Camptosorus 2
 Canada Blue Grass 15
 Golden-rod 91
 Hawkweed 89
 Plum 51
 Thistle 88
 Violet 62
 Canadian Buffalo-
 berry 64
 Canary Grass 15
 Cancer-root 81
 One-flowered 81
 Canker-root 41
 Cannabis 33
 Canoe Birch 32
 Caper Family 47
 Capillaire 69
 Capparidaceae 47
 Caprifoliaceae 82
 Capsella 45
 Caraway 66
 Cardamine 45
 Cardinal Flower 84
 Carduus 87
 Carex 17
 Carnation 38
 Carpenter-weed 77
 Carpet Weed 38
 Carpinus 32
 Carrion-flower 26
 Carrot 67
 Wild 67
 Carum 66
 Carya 31
 Caryophyllaceae 38
 Cashew Family 58
 Cassandra 69
 Castalia 40
 Castanea 32
 Cat Brier 26
 Mint 76
 Spruce 6
 Catchfly 39
 Night-flowering 39
 Sleepy 39
 Sweet William 39
 Catnip 76
 Cat-tail, Common 7
 Family 7
 Flag 7
 Narrow-leaved 7
 Caulophyllum 43
 Ceanothus 60
 Cedar, Red 6
 White 7
 Celandine 43
 Celastraceae 58
 Celastrus 58
 Celtis 33
 Cenchrus 11
 Centaurea 87
 Cephalanthus 81
 Cerastium 38
 Chain Fern 3
 Chair-maker's Rush 22
 Chamaedaphne 69
 Chamomile 85
 Wild 90
 Charlock 45
 Cheat 11
 Checkerberry 69
 Cheeses 61
 Chelidonium 43
 Chelone 79
 Chenopodiaceae 36
 Chenopodium 36
 Cherry 51
 Appalachian 51
 Birch 32
 Bird 51
 Choke 51
 Clammy Ground 78
 Fire 51
 Ground 78
 Pin 51
 Rum 51
 Sand 51
 Wild Black 51
 Wild Red 51
 Chess 11
 Wild 11
 Wood 11
 Chestnut 32
 Oak 33
 Chick-pea 53
 Chickweed 39
 Common 39
 Common Mouse-ear 38
 Field Mouse-ear 38
 Indian 38
 Mouse-ear 38
 Nodding 38
 Wintergreen 72
 Chicory 87
 Common 87
 Chimaphila 69
 Chiogenes 69
 Chokeberry, Black 51
 Purple 51
 Red 51
 Choke Cherry 51
 Christmas Fern 3
 Chrysanthemum 87
 Chrysosplenium 48
 Cicely, Smoother
 Sweet 67
 Sweet 67
 Woolly Sweet 67
 Cicer 53
 Cichorium 87
 Cicuta 66
 Cimicifuga 41
 Cinna 11
 Cinnamon Fern 3
 Rose 52
 Cinquefoil 50
 Marsh 51
 Rough 51
 Shrubby 51
 Silvery 50
 Tall 51
 Circaea 64
 Cirsium 88
 Cistaceae 62
 Clammy Ground Cher-
 ry 78
 Hedge Hyssop 79
 Locust 55
 Clammy-weed 47
 Claytonia 40
 Clearweed 34
 Cleavers 81
 Clematis 41
 Purple 41
 Wild 41
 Cliff Brake 3
 Climbing bitter-sweet 58
 False Buckwheat 36
 Fumitory 44
 Nightshade 78
 Clintonia 25
 Yellow 25
 Clinton's Shield Fern 1
 Closed Gentian 72
 Clotbur 92
 Clover 55
 Alsike 55
 Bur 54
 Bush 54
 Hop 55
 Low Hop 55
 Rabbit-foot 55
 Red 55

- Stone 55
 Sweet 54
 White 55
 White Sweet 54
 Yellow 55
 Yellow Sweet 54
 Zigzag 55
 Club Moss 5
 Moss Family 5
 Rush 22
 Clustered Snakeroot 67
 Coast Jointweed 35
 Cockle, Corn 38
 Cocklebur 92
 Coffee, Wild 83
 Cohosh 40
 Black 41
 Blue 43
 Coltsfoot 92
 Columbine 41
 Garden 41
 Wild 41
 Comandra 34
 Comfrey 75
 Common 75
 Wild 74
 Compositae 85
 Composite Family 85
 Cone-flower 90
 Tall 90
 Conium 66
 Convallaria 25
 Convolvulaceae 73
 Convolvulus 73
 Family 73
 Coptis 41
 Coral Root 27
 Early 27
 Large 27
 Corallorrhiza 27
 Cord Grass 16
 Cork Elm 34
 Corn Cockle 38
 Flower 87
 Indian 16
 Poppy 43
 Speedwell 80
 Spurrey 39
 Squirrel 44
 Wild Broom 15
 Cornaceae 68
 Cornel 68
 Dwarf 68
 Round-leaved 68
 Silky 68
 Cornus 68
 Corpse Plant 70
 Corydalis 44
 Golden 44
 Pale 44
 Pink 44
 Corylus 32
 Cotton Grass 22
 Cotton-wood 30
 Couch Grass 9
 Cow Cress 46
 Lily 40
 Parsnip 67
 Wheat 79
 Cowbane, Spotted 66
 Cow-herb 39
 Cowslip, English 71
 Virginian 75
 Cowslips 41
 Crack Willow 30
 Cranberry 70
 American 71
 High-bush 83
 Large 71
 Small 71
 Tree 83
 Cranesbill 56
 Wild 56
 Crassulaceae 47
 Crataegus 49
 Cream-colored Vetch-
 ling 54
 Creeper, Disk 60
 Tendrils 60
 Virginia 60
 Creeping Buttercup 42
 Eragrostis 12
 Snowberry 69
 Spearwort 42
 Cress, Bitter 45
 Common Winter 45
 Cow 46
 Erect-fruited Win-
 ter 44
 Field 46
 Field Penny 47
 Hairy Marsh 46
 Hairy Rock 44
 Lake 46
 Marsh 46
 Penny 47
 Purple Rock 44
 Rock 44
 Small Bitter 45
 Smooth Rock 44
 Water 46
 Winter 44
 Yellow 46
 Crested Shield Fern 1
 Crowfoot 42
 Bristly 42
 Bulbous 42
 Common White
 Water 42
 Cursed 42
 Family 40
 Hooked 42
 Small-flowered 42
 Stiff Water 42
 Tall 42
 Yellow Water 42
 Cruciferae 44
 Cryptogramma 2
 Cryptotaenia 66
 Cucumber, Wild 84
 One-seeded Bur 84
 Star 84
 Cucumber-root, In-
 dian 25
 Cucurbitaceae 84
 Cudweed 89
 Low 89
 Cup Plant 91
 Huntman's 47
 Currant 48
 Buffalo 48
 Garden Red 48
 Missouri 48
 Swamp Red 48
 Wild Black 48
 Cursed Crowfoot 42
 Cuscuta 73
 Cut-grass 13
 Rice 13
 Cut-leaved Anemone 41
 Bugle Weed 76
 Golden-rod 91
 Pepper-root 45
 Toothwort 45
 Cynoglossum 74
 Cyperaceae 17
 Cyperus 21
 Awned 21
 Shining 21
 Straw-colored 21
 Cypress Spurge 57
 Cyripedium 27
 Cystopteris 2
 Dactylis 11
 Daisy Fleabane 88

- Michaelmas 87
 Ox-eye 87
 White 87
 Yellow 90
 Dalibarda 50
 Dandelion 92
 Common 92
 Red-seeded 92
 Danthonia 11
 Daphne 64
 Darnel 13
 Bearded 13
 Common 13
 Datura 78
 Daucus 67
 Day Lily 25
 Dead Nettle 76
 Decodon 64
 Dentaria 45
 Deschampsia 11
 Desmodium 53
 Devil's Paint-brush 89
 Dewberry, Black 52
 Red 52
 Swamp 52
 Dianthus 38
 Dicentra 44
 Dicksonia 2
 Diervilla 82
 Digitalia 12
 Dirca 64
 Disk Creeper 60
 Ditch Stonecrop 47
 Dock 36
 Bitter 36
 Great Water 36
 Patience 36
 Spatter 40
 Swamp 36
 Yellow 36
 Dock-leaved Persi-
 caria 35
 Dockmackie 83
 Dodder 73
 Dog Fennel 85
 Violet 62
 Dogbane 72
 Family 72
 Spreading 72
 Dogberry 48
 Dogwood 68
 Alternate-leaved 68
 Family 68
 Panicked 68
 Poison 58
 Red-osier 68
 Round-leaved 68
 Silky 68
 Dog's-tooth Violet 25
 Doll's Eyes 40
 Doorweed 35
 Downy Arrow-wood 83
 Golden-rod 92
 Green Alder 31
 Rattlesnake Plan-
 tain 28
 Yellow Violet 63
 Draba 46
 Dragon Arum 23
 Drop-seed 14, 16
 Dropwort 50
 Drosera 47
 Droseraceae 47
 Duck's-meat 23
 Duckweed 23
 Family 23
 Greater 23
 Ivy-leaved 23
 Lesser 23
 Dulichium 21
 Dutchman's Breeches 44
 Dwarf Cornel 68
 Ginseng 66
 Mistletoe 34
 Raspberry 52
 Sumach 58
 Dyssodia 88
 Early Coral Root 27
 Golden-rod 91
 Meadow Parsnip 68
 Meadow Rue 43
 Saxifrage 48
 Sweet Blueberry 71
 Yellow Violet 63
 Ebony Spleenwort 2
 Echinochloa 12
 Echinocystis 84
 Echium 74
 Eel Grass 9
 Eglantine 52
 Egyptian Barley 13
 Elaeagnaceae 64
 Elder 83
 Box 59
 Common 83
 Poison 58
 Red-berried 83
 Wild 66
 Elderberry 83
 Elecampane 90
 Eleocharis 21
 Elm 34
 American 34
 Cork 34
 English 34
 Red 34
 Rock 34
 Slippery 34
 White 34
 Elodea 9
 Elymus 12
 Enchanter's Night-
 shade 64
 English Cowslip 71
 Elm 34
 Hawthorn 49
 Plantain 81
 Epifagus 81
 Epigaea 69
 Epilobium 64
 Epipactis 28
 Equisetaceae 4
 Equisetum 4
 Eragrostis 12
 Creeping 12
 Strong-scented 12
 Erechtites 88
 Erect-fruited Winter
 Cress 44
 Erect Knotweed 35
 Ericaceae 69
 Erigeron 88
 Eriocaulaceae 23
 Eriocaulon 23
 Eriophorum 22
 Erodium 56
 Eryngium 67
 Eryngo 67
 Erysimum 46
 Erythronium 25
 Eupatorium 88
 Euphorbia 57
 Euphorbiaceae 57
 European Bellflower 84
 Mallow 60
 Millet 14
 Mountain Ash 51
 Stickseed 74
 Evening Primrose 65
 Primrose Family 64
 Evergreen Wood Fern 1
 Everlasting 85
 Common 89
 Pea 54
 Pearly 85

- Plantain-leaved 85
 Fagaceae 32
 Fagopyrum 35
 Fagus 32
 False Acacia 55
 Beech Drops 70
 Dragon Head 77
 Flax 45
 Hellebore 26
 Loosestrife 65
 Mermaid 58
 Mermaid Family 58
 Miterwort 48
 Nettle 33
 Pimpernel 79
 Solomon's Seal 26
 Spikenard 26
 Feather Geranium 36
 Prince's 35
 Fennel, Dog 85
 Fen Orchis 29
 Fern, Beech 3
 Bladder 2
 Boott's Shield 1
 Broad Beech 3
 Chain 3
 Christmas 3
 Cinnamon 3
 Clinton's Shield 1
 Common Bladder 2
 Crested Shield 1
 Evergreen Wood 1
 Family 1
 Flowering 3
 Fragile Bladder 2
 Goldie's 1
 Grape 4
 Hay-scented 2
 Interrupted 4
 Lady 2
 Lance-leaved Grape 4
 Little Grape 4
 Long Beech 3
 Marginal Shield 1
 Marsh 1
 New York 1
 Oak 3
 Ostrich 2
 Rattlesnake 4
 Royal 4
 Sensitive 2
 Shield 1
 Spinulose Shield 1
 Sweet 31
 Ternate Grape 4
 Virginia Chain 3
 Wood 1
 Fescue Grass 12
 Meadow 12
 Nodding 12
 Sheep's 12
 Red 12
 Taller 12
 Festuca 12
 Fetid Marigold 88
 Fever Bush 43
 Feverwort 83
 Field Bindweed 73
 Cress 46
 Golden-rod 91
 Milkwort 57
 Mouse-ear Chick-
 weed 38
 Penny Cress 47
 Sorrel 36
 Sow Thistle 92
 Spurrey 39
 Figwort 80
 Family 79
 Filbert 32
 Filipendula 50
 Finger Grass 12
 Fiorin 10
 Fir 6
 Balm-of-Gilead 6
 Balsam 6
 Fire Cherry 51
 Fireweed 65, 88
 Five-finger 50, 51
 Flag, Blue 27
 Cat-tail 7
 Sweet 23
 Flat-topped White As-
 ter 87
 Flax 55
 Common 55
 False 45
 Family 55
 Fleabane 88
 Daisy 88
 Pink 88
 Fleur-de-lis 27
 Floating Foxtail
 Grass 10
 Manna Grass 13
 Floerkea 58
 Flower, Cardinal 84
 Corn 87
 Moccasin 27
 Monkey 79
 Side-saddle 47
 Star 72
 Wind 41
 Flowering Fern 3
 Fern Family 3
 Sage 76
 Spurge 57
 Wintergreen 57
 Flower-of-an-hour 61
 Foam-flower 48
 Forget-me-not 75
 True 75
 Forked Beard Grass 10
 Four-leaved Milkweed 73
 Fowl Meadow Grass 15
 Foxtail Grass 10
 Green 16
 Yellow 16
 Fragaria 50
 Fragile Bladder Fern 2
 Fraxinus 72
 Fringed Black Bind-
 weed 35
 Loosestrife 71
 Orchis 28
 Polygala 57
 Frog's Bit Family 9
 Frost Grape 60
 Frostweed 62
 Fumaria 44
 Fumariaceae 44
 Fumitory 44
 Climbing 44
 Common 44
 Family 44
 Galeopsis 75
 Galingale 21
 Galinsoga 88
 Galium 81
 Gall-of-the-earth 90
 Garden Asparagus 25
 Burnet 53
 Columbine 41
 Heliotrope 84
 Orpine 47
 Phlox 74
 Red Currant 48
 Snowberry 83
 Sorrel 36
 Garlic 25
 Gaultheria 69
 Gaylussacia 69
 Gentian 72
 Closed 72

- Family 72
 Horse 83
 Stiff 72
 Gentiana 72
 Gentianaceae 72
 Geraniaceae 56
 Geranium 56
 Family 56
 Feather 36
 Gerardia 79
 Slender 79
 Small-flowered 79
 Germander 78
 American 78
 German Millet 16
 Geum 50
 Giant Hyssop 75
 Gilia 74
 Gill-over-the-ground 77
 Ginger, Wild 34
 Ginseng 66
 Dwarf 66
 Family 66
 Glaucoous Honey-suckle 83
 Willow 30
 Glyceria 13
 Gnaphalium 89
 Goat's Beard 92
 Golden Alexanders 68
 Corydalis 44
 Hedge Hyssop 79
 Meadow Parsnip 68
 Ragwort 91
 Saxifrage 48
 Seal 42
 Golden-rod 91
 Blue-stemmed 91
 Bog 92
 Bushy 91
 Canada 91
 Cut-leaved 91
 Downy 92
 Early 91
 Field 91
 Gray 91
 Hairy 91
 Late 92
 Stout Ragged 92
 Tall Hairy 92
 White 91
 Zigzag 91
 Goldie's Fern 1
 Goldthread 41
 Goose Grass 81
 Gooseberry 48
 Prickly 48
 Goosefoot 36
 Family 36
 Maple-leaved 37
 Oak-leaved 37
 Upright 37
 Gourd Family 84
 Gramineae 9
 Grape 60
 Fern 4
 Frost 60
 River-bank 60
 Summer 60
 Grass
 Awned Wheat 9
 Barnyard 12
 Beard 10
 Bent 10
 Blue-eyed 27
 Blue-joint 11
 Bottle 16
 Bottle-brush 13
 Bristly Foxtail 16
 Brome 11
 Broom Beard 10
 Bur 11
 Canada Blue 15
 Canary 15
 Common Hair 11
 Common Wild Oat 11
 Cord 16
 Cotton 22
 Couch 9
 Eel 9
 Family 9
 Fescue 12
 Finger 12
 Floating Foxtail 10
 Floating Manna 13
 Forked Beard 10
 Fowl Meadow 15
 Foxtail 10
 Goose 81
 Grove Spear 15
 Hair 10
 Herd's 15
 Holy 13
 Hungarian 16
 Hungarian Brome 11
 Indian 16
 June 15
 Kentucky Blue 15
 Large Crab 12
 Low Spear 15
 Lyme 12
 Manna 13
 Marsh 16
 Meadow 15
 Meadow Foxtail 10
 Melic 13
 Millet 16
 Oat 10
 of Parnassus 48
 Old-witch 14
 Orchard 11
 Pale Manna 13
 Panic 14
 Perennial Ray 13
 Pigeon 16
 Pink 27
 Poverty 10
 Quick 9
 Quitch 9
 Rattlesnake 13
 Reed Bent 11
 Reed Canary 15
 Reed Meadow 13
 Rib 81
 Ribbon 15
 Ripple 81
 Rough Foxtail 16
 Rush 16
 Rye 13
 Seneca 13
 Slender Wheat 9
 Slender Wood Reed 11
 Slough 16
 Small Crab 12
 Spear 15
 Squirrel-tail 13
 Sweet Vernal 10
 Tall Oat 10
 Tape 9
 Thin 10
 Triple-awned 10
 Vanilla 13
 Water Star 24
 Weak Spear 15
 White 13
 White Bent 10
 Wild Oat 11
 Wire 15
 Wood 16
 Wood Reed 11
 Wool 22
 Yellow Nut 21
 Gratiola 79
 Graveyard Moss 57
 Gray Birch 32

- Golden-rod 91
 Oak 33
 Great Bulrush 22
 Burdock 86
 Ragweed 85
 St. John's-wort 61
 Water Dock 36
 Willow-herb 65
 Greater Bladderwort 80
 Duckweed 23
 Green Adder's Mouth 29
 Amaranth 37
 Ash 72
 Brier 26
 Foxtail 16
 Greenish-flowered Win-
 tergreen 70
 Grim the Collier 89
 Gromwell 74
 Common 75
 Ground Cherry 78
 Hemlock 6
 Ivy 77
 Laurel 69
 Pine 5
 Pink 73
 Ground-nut 53
 Groundsel 91
 Balsam 91
 Common 91
 Grove Spear Grass 15
 Gum, Black 68
 Sour 68
 Gypsophila 38
 Low 38
 Habernaria 28
 Hackberry 33
 Hackmatack 6
 Hair Grass 10
 Hairy Golden-rod 91
 Marsh Cress 46
 Rock Cress 44
 Wood Rush 24
 Hairy-stemmed Aster 86
 Halberd-leaved Tear-
 thumb 35
 Haloragidaceae 65
 Hamamelidaceae 49
 Hamamelis 49
 Hardhack 53
 Harebell 84
 Hare's Tail 22
 Hawkweed 89
 Canada 89
 Orange 89
 Panicled 89
 Rough 90
 Hawthorn 49
 English 49
 Hay-scented Fern 2
 Hazelnut 32
 Beaked 32
 Heal-all 77
 Heart-leaved Aster 86
 Twayblade 29
 Willow 30
 Heart's-ease 62, 63
 Heath Family 69
 Heather, Beach 62
 Hedeoma 76
 Hedge Bindweed 73
 Hyssop 79
 Mustard 46
 Nettle 77
 Helianthemum 62
 Helianthus 89
 Heliopsis 89
 Heliotrope, Garden 84
 Hellebore, American
 White 26
 False 26
 Hemerocallis 25
 Hemlock 7
 Ground 6
 Poison 66
 Water 66
 Hemp 33
 Common 33
 Indian 72
 Nettle 75
 Water 37
 Henbit 76
 Hepatica 41
 Heracleum 67
 Herb Robert 56
 Herd's Grass 15
 Heteranthera 24
 Hibiscus 61
 Hickory 31
 Bitternut 31
 Shagbark 31
 Shellbark 31
 Swamp 31
 White-heart 31
 Hieracium 89
 Hierochloe 13
 High Blueberry 70
 High-bush Blackberry 52
 Cranberry 83
 Hoary Alder 31
 Alyssum 45
 Hobble-bush 83
 Hog Peanut 53
 Hog-weed 85
 Holly 58
 Family 58
 Mountain 58
 Holy Grass 13
 Honewort 66
 Honeysuckle 82
 American Fly 82
 Bush 82
 Family 82
 Glaucous 83
 Tartarian 83
 Hooked Crowfoot 42
 Hop 33
 Clover 55
 Common 33
 Hornbeam 32
 Japanese 33
 Hordeum 13, 16
 Horehound, Water 76
 Hornbeam 32
 American 32
 American Hop 32
 Hop 32
 Horse Gentian 83
 Mint 76
 Horse-chestnut 59
 Common 59
 Horseradish 46
 Horsetail 4
 Common 4
 Family 4
 Marsh 5
 Shore 5
 Wood 5
 Horseweed 88, 90
 Hound's Tongue 74
 Common 74
 Houstonia 82
 Huckleberry 69
 Black 69
 Hudsonia 62
 Humulus 33
 Hungarian Brome
 Grass 11
 Grass 16
 Huntsman's Cup 47
 Husk Tomato 78
 Hydrastis 42
 Hydrocharitaceae 9
 Hydrocotyle 67
 Hydrophyllaceae 74

- Hydrophyllum 74 .
 Hypericaceae 61.
 Hypericum 61
 Hyssop, Clammy
 Hedge 79
 Giant 75
 Golden Hedge 79
 Hedge 79
 Hystrix 13
 Hex 58
 Hysanthus 79
 Impatiens 60
 Indian Chickweed 38
 Corn 16
 Cucumber-root 25
 Grass 16
 Hemp 72
 Mallow 61
 Mustard 45
 Pipe 70
 Poke 26
 Rice 16
 Tobacco 84
 Turnip 23
 Innocence 82
 Interrupted Fern 4
 Inula 90
 Ipomoea 73
 Iridaceae 27
 Iris 27
 Family 27
 Wild 27
 Yellow 27
 Ironwood 32
 Ivy, Ground 77
 Poison 57
 Ivy-leaved Duckweed 23
 Jack-in-the-Pulpit 23
 Jamestown Weed 78
 Japanese Hop 33
 Knotweed 35
 Jerusalem Artichoke 89
 Oak 36
 Jewelweed 60
 Jimson Weed 78
 Joe-Pye Weed 88
 Jointed Rush 24
 Jointweed, Coast 35
 Juglandaceae 31
 Juglans 31
 Juncaceae 24
 Juncaginaceae 9
 Juncus 24
 June Berry 49
 Grass 15
 Pink 70
 Juniper 6
 Common 6
 Juniperus 6
 Kalmia 69
 Kentucky Blue Grass 15
 King Devil 89
 Kinnikinnik 68
 Knotgrass 35
 Knotted Rush 24
 Knotweed 35
 Erect 35
 Japanese 35
 Labiatae 75
 Labrador Tea 69
 Lactuca 90
 Ladies' Tobacco 85
 Ladies' Tresses 29
 Nodding 29
 Slender 29
 Lady Fern 2
 Lady's Slipper 27
 Large Yellow 27
 Pink 27
 Ram's Head 27
 Showy 27
 Smaller Yellow 27
 Stemless 27
 Lady's Sorrel 56
 Thumb 36
 Lake Cress 46
 Lambkill 69
 Lamb's Quarters 36
 Lamium 76
 Lance-leaved Grape
 Fern 4
 Loosestrife 71
 Violet 63
 Laportea 33
 Lappula 74
 Larch 6
 American 6
 Black 6
 Large Coral Root 27
 Crab Grass 12
 Cranberry 71
 Pepper-root 45
 Purple-fringed Or-
 chis 28
 Toothwort 45
 Twayblade 28
 Yellow Lady's Slip-
 per 27
 Yellow Pond Lily 40
 Large-bracted Plan-
 tain 81
 Large-flowered Bell-
 wort 26
 Large-fruited Snake-
 root 67
 Large-leaved Aster 86
 Orchis 28
 Pondweed 8
 Large-toothed Aspen 30
 Larix 6
 Late Golden-rod 92
 Low Blueberry 71
 Lathyrus 54
 Lauraceae 43
 Laurel 69
 Family 43
 Ground 69
 Pale 69
 Sheep 69
 Laurestinus 83
 Leaf, Leather 69
 Velvet 61
 Leather Leaf 69
 Leatherwood 64
 Lechea 62
 Ledum 69
 Leek, Wild 25
 Leersia 13
 Leguminosae 53
 Lemna 23
 Lemnaceae 23
 Lenticulariaceae 80
 Leonurus 76
 Lepidium 46
 Lespedeza 54
 Lesser Duckweed 23
 Rattlesnake Plan-
 tain 28
 Stitchwort 39
 Lettuce 90
 Prickly 90
 Tall Blue 90
 Tall White 90
 White 90
 Wild 90
 Leverwood 32
 Levisticum 67
 Lilac 72
 Common 72
 Liliaceae 25
 Lilium 25
 Lily 25

- Common Day 25
 Cow 40
 Day 25
 Family 25
 Large Yellow Pond 40
 Meadow 25
 of the Valley 25
 Small Yellow Pond 40
 Sweet-scented White
 Water 40
 Tiger 25
 Tuberos White
 Water 40
 Water 40
 Wild Orange-red 25
 Wild Yellow 25
 Wood 25
 Yellow Pond 40
 Limnanthaceae 57
 Linaceae 55
 Linaria 79
 Linden 61
 Family 61
 Linnaea 82
 Linum 55
 Lion's Heart 77
 Liparis 28
 Liquorice, Wild 82
 Listera 29
 Lithospermum 74
 Little Grape Fern 4
 Live-for-ever 47
 Liverleaf 41
 Round-lobed 42
 Sharp-lobed 41
 Lobelia 84
 Family 84
 Lobeliaceae 84
 Lobularia 46
 Locust 55
 Clammy 55
 Common 55
 Lolium 13
 Lombardy Poplar 30
 Long Beech Fern 3
 Long-bracted Orchis 28
 Long-fruited Anem-
 one 41
 Long-leaved Stitch-
 wort 39
 Sundew 47
 Long-spurred Violet 63
 Lonicera 82
 Loose-spiked Milk-
 wort 57
 Loosestrife 64, 71
 Bulb-bearing 71
 False 65
 Family 64
 Fringed 71
 Lance-leaved 71
 Swamp 64
 Tufted 71
 Whorled 71
 Lopseed 81
 Family 81
 Loranthaceae 34
 Lousewort 79
 Common 79
 Lovage 67
 Love Vine 73
 Low Cudweed 89
 Gypsophila 38
 Hop Clover 55
 Spear Grass 15
 Sweet Blueberry 71
 Lucerne 54
 Ludvigia 65
 Lungwort 75
 Lupine 54
 Wild 54
 Lupinus 54
 Luzula 24
 Lychnis 38
 Lycopodiaceae 5
 Lycopodium 5
 Lycopus 76
 Lycium 78
 Lyme Grass 12
 Lysimachia 71
 Lythraceae 64
 Lythrum 64
 Madder Family 81
 Wild 82
 Mad-dog Skullcap 77
 Maianthemum 25
 Maidenhair 1
 Spleenwort 2
 Mallow 61
 Common 61
 European 61
 Family 61
 Indian 61
 Musk 61
 Rose 61
 Whorled 61
 Malva 61
 Malvaceae 61
 Manna Grass 13
 Maple 59
 Ash-leaved 59
 Black Sugar 59
 Family 59
 Mountain 59
 Red 59
 Rock 59
 Silver 59
 Striped 59
 Sugar 59
 Swamp 59
 White 59
 Maple-leaved Arrow-
 wood 83
 Goosefoot 37
 Marginal Shield Fern 1
 Marguerite 87
 Marigold, Bur 87
 Fetid 88
 Marsh 41
 Water 87
 Marsh Bedstraw 82
 Bellflower 84
 Blue Violet 62
 Cinquefoil 51
 Cress 46
 Fern 1
 Grass 16
 Horsetail 5
 Marigold 41
 Muhlenbergia 14
 Pea 54
 St. John's-wort 62
 Skullcap 77
 Speedwell 80
 Masterwort 66, 67
 Matricaria 90
 Matrimony Vine 78
 Mayflower 69
 Mayweed 85
 Meadow Fescue 12
 Foxtail Grass 10
 Grass 15
 Lily 25
 Muhlenbergia 14
 Queen of the 53
 Rue 43
 Meadow-sweet 53
 Medeola 25
 Medicago 54
 Medick 54
 Black 54

- Spotted 54
 Melampyrum 79
 Melic Grass 13
 Melica 13
 Melilot 54
 White 54
 Yellow 54
 Melilotus 54
 Mentha 76
 Menyanthes 72
 Mercury, Three-
 seeded 57
 Mertensia 75
 Mexican Tea 36
 Mezureum 64
 Family 64
 Michaelmas Daisy 87
 Microstylis 29
 Milfoil 85
 Water 65
 Milk Purslane 57
 Vetch 53
 Milkweed 73
 Blunt-leaved 73
 Common 73
 Family 73
 Four-leaved 73
 Poke 73
 Swamp 73
 Milkwort 57
 Family 57
 Field 57
 Loose-spiked 57
 Purple 57
 Racemed 57
 Millet 16
 European 14
 German 16
 Mimulus 79
 Mint 76
 Cat 76
 Family 75
 Horse 76
 Mountain 77
 Narrow-leaved Mount-
 tain 77
 Spotted 76
 Whorled 76
 Wild 76
 Missouri Currant 48
 Mistletoe, Dwarf 34
 Family 34
 Mitchellia 82
 Mitella 48
 Miterwort 48
 False 48
 Naked 48
 Two-leaved 48
 Mithridate Mustard 47
 Moccasin Flower 27
 Mock Pennyroyal 76
 Mocker Nut 31
 Mollugo 38
 Monarda 76
 Moneses 70
 Moneywort 71
 Monkey Flower 79
 Monotropa 70
 Moonwort 4
 Moosewood 59, 64, 83
 Morning Glory 73
 Common 73
 Small Red 73
 Wild 73
 Morus 33
 Moss, Bog Club 5
 Club 5
 Common Club 5
 Common Tree Club 5
 Graveyard 57
 Pink 74
 Shining Club 5
 Stiff Club 5
 Tree Club 5
 Mossy Stonecrop 47
 Mossy-cup Oak 33
 Moth Mullein 80
 Motherwort 76
 Common 76
 Mountain Fringe 44
 Holly 58
 Maple 59
 Mint 77
 Rice 14
 Mouse-ear Chickweed 38
 Moxie Plum 69
 Mud Plantain 24
 Mugwort, Common 86
 Muhlenbergia 14
 Marsh 14
 Meadow 14
 Slender 14
 Mulberry 33
 White 33
 Mullein 80
 Common 80
 Moth 80
 Musk Mallow 61
 Storks-bill 56
 Musquash Root 66
 Mustard 45
 Black 45
 Common Hedge 47
 Family 44
 Hedge 46
 Indian 45
 Mithridate 47
 Tower 44
 Treacle 46
 Tumble 46
 Worm-seed 46
 Myosotis 75
 Myrica 31
 Myricaceae 31
 Myriophyllum 65
 Myrtle, Blue 73
 Yellow 71
 Naiad 8
 Najadaceae 8
 Najas 8
 Naked Miterwort 48
 Nannyberry 83
 Narrow False Oat 16
 Narrow-leaved Cat-
 tail 7
 Mountain Mint 77
 Spleenwort 2
 Necklace Poplar 30
 Neckweed 80
 Nemopanthus 58
 Nepeta 76
 Nettle 34
 Common Hemp 75
 Dead 76
 False 33
 Family 33
 Hedge 77
 Hemp 75
 Rough Hedge 77
 Slender 34
 Spotted Dead 76
 Tall Wild 34
 Tree 33
 Wood 33
 Nettle-leaved Bell-
 flower 84
 New England Aster 86
 New Jersey Tea 60
 New York Fern 1
 Nicandra 78
 Nigger-head 90
 Night-flowering Catch-
 fly 39
 Nightshade 78
 Climbing 78

- Common 79
 Enchanter's 64
 Family 78
 Smaller Enchanter's 64
 Nimble Will 14
 Nodding Chickweed 38
 Fescue 12
 Ladies' Tresses 29
 Trillium 26
 Wild Rye 12
 Nonesuch 54
 Northern Bedstraw 82
 Prickly Ash 56
 Stitchwort 39
 Willow-herb 64
 Norway Pine 7
 Nut, American Bladder 59
 Bladder 59
 Mocker 31
 Nymphaea 40
 Nymphaeaceae 40
 Nyssa 68
 Oak 32
 Black 33
 Bur 33
 Chestnut 33
 Fern 3
 Gray 33
 Jerusalem 36
 Mossy-cup 33
 Over-cup 33
 Poison 58
 Red 33
 Swamp White 32
 White 32
 Yellow 33
 Yellow-barked 33
 Oakesia 26
 Oak-leaved Goosefoot 37
 Oat 100
 Grass 10
 Narrow False 16
 Purple 13
 Oats, Water 16
 Oenothera 65
 Old Field Birch 32
 Old-witch Grass 14
 Oleaceae 72
 Oleaster Family 64
 Olive Family 72
 Onagraceae 64
 One-flowered Cancer-root 81
 Pyrola 70
 One-seeded Bur Cucumber 84
 One-sided Winter-green 70
 Onion 25
 Onobrychis 54
 Onoclea 2
 Ophioglossaceae 4
 Ophioglossum 4
 Orange Hawkweed 89
 Orange-root 42
 Orchard Grass 11
 Orchidaceae 27
 Orchis 29
 Family 27
 Fen 29
 Fringed 28
 Large-leaved 28
 Large Purple Fringed 28
 Long-bracted 28
 Ragged Fringed 28
 Rein 28
 Round-leaved 28
 Showy 29
 Smaller Purple Fringed 28
 Small Wood 28
 Tall Green 28
 White Bog 28
 White Fringed 28
 Orobanchaceae 81
 Orobanche 81
 Orpine 47
 American 48
 Family 47
 Garden 47
 Oryzopsis 14
 Osier 30
 Osmorhiza 67
 Osmunda 3
 Osmundaceae 3
 Ostrich Fern 2
 Ostrya 32
 Over-cup Oak 33
 Oxalidaceae 56
 Oxalis 56
 Ox-eye 89
 Daisy 87
 Painted Trillium 26
 Pale Corydalis 44
 Laurel 69
 Manna Grass 13
 Persicaria 35
 St. John's-wort 61
 Touch-me-not 60
 Pale-leaved Wood Sunflower 89
 Panax 66
 Panic Grass 14
 Panicked Aster 86
 Dogwood 68
 Hawkweed 89
 Panicum 14
 Pansy 63
 Papaver 43
 Papaveraceae 43
 Paper Birch 32
 Pappoose Root 43
 Parietaria 33
 Parnassia 48
 Parsley Family 66
 Parsnip 67
 Cow 67
 Early Meadow 68
 Golden Meadow 68
 Poison 67
 Water 68
 Wild 67
 Partridge Berry 82
 Pastinaca 67
 Pasture Rose 52
 Patience Dock 36
 Pea, Beach 54
 Everlasting 54
 Marsh 54
 Peanut, Hog 53
 Pearly Everlasting 85
 Pedicularis 79
 Pellaea 3
 Pellitory 33
 Penny Cress 47
 Pennyroyal 76
 American 76
 Bastard 78
 Mock 76
 Pennywort, Water 67
 Penthorum 47
 Pentstemon 80
 Pepper, Water 35
 Peppergrass 46
 Wild 46
 Pepperidge 68
 Peppermint 76
 Pepper-root 45
 Cut-leaved 45
 Large 45
 Two-leaved 45
 Peppermint 46

- Perennial Ray Grass 13
 Periwinkle 73
 Common 73
 Persicaria, Common 36
 Dock-leaved 35
 Pale 35
 Pink 36
 Swamp 35
 Phalaris 15
 Phegopteris 3
 Phleum 15
 Phlox 74
 Garden 74
 Phragmites 15
 Phryma 81
 Phrymaceae 81
 Physalis 78
 Physostegia 76
 Phytolacca 37
 Phytolaccaceae 37
 Picea 6
 Pickerel-weed 24
 Family 24
 Pigeon Berry 37
 Grass 16
 Pigweed 36, 37
 Pilea 34
 Pimbina 83
 Pimpernel 71
 Common 71
 False 79
 Short-stalked False 79
 Yellow 68
 Pin Cherry 51
 Pinaceae 6
 Pine 7
 Drops 70
 Family 6
 Ground 5
 Norway 7
 Pitch 7
 Prince's 69
 Red 7
 White 7
 Pineapple-weed 90
 Pinesap 70
 Pink 38
 Azalea 70
 Corydalis 44
 Family 38
 Fleabane 88
 Grass 27
 Ground 73
 June 70
 Lady's Slipper 27
 Moss 73
 Persicaria 36
 Swamp 70
 Pinus 7
 Pinweed 62
 Pipes 4
 Pipewort 23
 Family 23
 Pipsissewa 69
 Pitcher-plant 47
 Family 47
 Pitch Pine 7
 Plane Tree 49
 Family 49
 Plant, Corpse 70
 Cup 91
 Plantaginaceae 81
 Plantago 81
 Plantain 81
 Common 81
 Downy Rattlesnake 28
 English 81
 Family 81
 Large-bracted 81
 Lesser Rattlesnake 28
 Mud 24
 Poor Robin's 90
 Rattlesnake 28
 Robin's 88
 Water 9
 Plantain-leaved Ever-
 lasting 85
 Platanaceae 49
 Platanus 49
 Plum 51
 Canada 51
 Moxie 69
 Wild 51
 Plumed Thistle 88
 Plumeless Thistle 87
 Poa 15
 Pogonia 29
 Rose 29
 Small Whorled 29
 Whorled 29
 Poison Dogwood 58
 Elder 58
 Hemlock 66
 Ivy 58
 Oak 58
 Parsnip 67
 Sumach 58
 Poke, Common 37
 Indian 26
 Milkweed 73
 Pokeweed 37
 Family 37
 Polanisia 47
 Polemoniaceae 74
 Polemonium Family 74
 Polygala 57
 Fringed 57
 Polygalaceae 57
 Polygonaceae 35
 Polygonatum 26
 Polygonella 35
 Polygonum 35
 Polypodiaceae 1
 Polypodium 3
 Polypody 3
 Polystichum 3
 Pondweed 8
 Common 8
 Family 8
 Large-leaved 8
 Pontederia 24
 Pontederiaceae 24
 Poor Man's Weather-
 glass 71
 Robin's Plantain 90
 Poplar 29
 Balsam 29
 Lombardy 30
 Necklace 30
 Silver-leaved 29
 Trembling 30
 White 29
 Poppy 43
 Corn 43
 Family 43
 Populus 29
 Portulaca 40
 Portulacaceae 40
 Potamogeton 8
 Potentilla 50
 Poverty Grass 10
 Prairie Willow 30
 Prenanthes 90
 Prickly Ash 56
 Gooseberry 48
 Lettuce 90
 Rose 52
 Primrose 71
 Common Evening 65
 Evening 65
 Family 71
 Sinuate-leaved Even-
 ing 65
 Small-flowered Even-
 ing 65

- Primula 71
 Primulaceae 71
 Prince's Feather 35
 Pine 69
 Pringle's Aster 86
 Prostrate Amaranth 37
 Prunella 77
 Prunus 51
 Psedera 60
 Pteris 3
 Pterospora 70
 Puccoon 74
 Yellow 42
 Pulse Family 53
 Purple Avens 50
 Chokeberry 51
 Clematis 41
 Cliff Brake 3
 Flowering Rasp-
 berry 52
 Milkwort 57
 Oat 13
 Raspberry 52
 Rock Cress 44
 Thorn Apple 78
 Trillium 26
 Willow 30
 Purple-leaved Willow-
 herb 65
 Purple-stemmed As-
 ter 87
 Purslane 40
 Common 40
 Family 40
 Milk 57
 Speedwell 80
 Water 65
 Pusley 40
 Pussy's Toes 85
 Pussy Willow 30
 Pycnanthemum 77
 Pyrola 70
 One-flowered 70
 Pyrus 51
 Queen Anne's Lace 67
 Queen of the Meadow 53
 Quercitron 33
 Quercus 32
 Quick Grass 9
 Quitch Grass 9
 Rabbit-foot Clover 55
 Racemed Milkwort 57
 Radicula 46
 Ragged Fringed Or-
 chis 28
 Ragweed 85
 Great 85
 Ragwort 91
 Golden 91
 Raisin, Wild 83
 Ram's Head Lady's
 Slipper 27
 Ramsted 79
 Ranunculaceae 40
 Ranunculus 42
 Raspberry, Black 52
 Dwarf 52
 Purple 52
 Purple Flowering 52
 Running 52
 Wild Red 52
 Rattlesnake Fern 4
 Grass 13
 Plantain 28
 Rattlesnake-root 90
 Rattlesnake-weed 90
 Recurved Blackberry 52
 Red Ash 72
 Baneberry 40
 Bearberry 69
 Campion 39
 Cedar 6
 Chokeberry 51
 Clover 55
 Dewberry 52
 Elm 34
 Fescue 12
 Maple 59
 Oak 33
 Pine 7
 Spruce 7
 Top 10
 Red-berried Elder 83
 Red-osier Dogwood 68
 Red-root 60
 Smaller 60
 Red-seeded Dande-
 lion 92
 Reed 15
 Bent Grass 11
 Canary Grass 15
 Meadow Grass 13
 Rein Orchis 28
 Rhamnaceae 60
 Rhamnus 60
 Rhododendron 70
 Rhodora 70
 Rhus 58
 Rib Grass 81
 Ribbon Grass 15
 Ribes 48
 Ribwort 81
 Rice Cut Grass 13
 Black-fruited Moun-
 tain 14
 Indian 16
 Mountain 14
 Slender Mountain 14
 Water 16
 White-grained Moun-
 tain 14
 Wild 16
 Richweed 34
 Ripple Grass 81
 River-bank Grape 60
 River Bulrush 22
 Robbin's Squaw-weed 91
 Robinia 55
 Robin's Plantain 88
 Rock Brake 2
 Cress 44
 Elm 34
 Maple 59
 Sandwort 38
 Selaginella 6
 Shadbush 49
 Rocket, Yellow 45
 Rockrose 62
 Family 62
 Roman Wormwood 85
 Rosa 52
 Rosaceae 49
 Rose 52
 California 73
 Cinnamon 52
 Family 49
 Mallow 61
 Pasture 52
 Pogonia 29
 Prickly 52
 Smooth 52
 Swamp 52
 Rosemary, Bog 68
 Rosin-weed 91
 Rough Avens 50
 Bedstraw 81
 Cinquefoil 51
 Foxtail Grass 16
 Hawkweed 90
 Hedge Nettle 77
 Sunflower 89
 Round-headed Anem-
 one 41
 Round-leaved Cornel 68
 Dogwood 68

- Orchis 28
 Squaw-weed 91
 Sundew 47
 Violet 63
 Wintergreen 70
 Round-lobed Liver-
 leaf 42
 Rowan Tree 51
 Royal Fern 4
 Rubiaceae 81
 Rubus 52
 Rudbeckia 90
 Rue, Early Meadow 43
 Family 56
 Meadow 43
 Spleenwort 2
 Tall Meadow 43
 Rum Cherry 51
 Rumex 36
 Running Raspberry 52
 Swamp Blackberry 52
 Rush 24
 Beak 22
 Bog 24
 Brown Beak 22
 Brownish-fruited 24
 Chair-maker's 22
 Club 22
 Common Scouring 4
 Common Wood 24
 Family 24
 Grass 16
 Hairy Wood 24
 Jointed 24
 Knotted 24
 Scouring 5
 Sharp-fruited 24
 Slender 24
 Spike 21
 Toad 24
 White Beak 22
 Wood 24
 Russian Thistle 37
 Rusty Woodsia 3
 Rutabaga 45
 Rutaceae 56
 Rye 16
 Grass 13
 Nodding Wild 12
 Slender Wild 12
 Wild 12
 Rynchospora 22
 Sage, Flowering 76
 Wood 78
 Sagittaria 9
 Sainfoin 54
 St. John's-wort 61
 Common 62
 Family 61
 Great 61
 Marsh 62
 Pale 61
 Small-flowered 62
 Spotted 62
 Salicaceae 29
 Salix 30
 Salsola 37
 Saltwort 37
 Sambucus 83
 Sandalwood Family 34
 Sand-bar Willow 30
 Sandbur 11
 Sand Cherry 51
 Violet 62
 Sandwort 38
 Blunt-leaved 38
 Rock 38
 Thyme-leaved 38
 Sanguinaria 43
 Sanguisorba 53
 Sanicle 67
 Sanicula 67
 Santalaceae 34
 Sapindaceae 59
 Saponaria 39
 Sarracenia 47
 Sarraceniaceae 47
 Sarsaparilla, Bristly 66
 Wild 66
 Satureja 77
 Savin 6
 Savory 77
 Summer 77
 Saxifraga 48
 Saxifragaceae 48
 Saxifrage 48
 Early 48
 Family 48
 Golden 48
 Swamp 48
 Scabious, Sweet 88
 Scheuchzeria 9
 Scirpus 22
 Scocke, Common 37
 Scorpion-grass 75
 Scouring Rush 5
 Common 4
 Scrophularia 80
 Schrophulariaceae 79
 Scutellaria 77
 Secale 16
 Sedge 17
 Family 17
 Sedum 47
 Selaginella 6
 Rock 6
 Selaginellaceae 6
 Self-heal 77
 Seneca Grass 13
 Snakeroot 57
 Senecio 91
 Sensitive Fern 2
 Service Berry 49
 Sessile-leaved Bell-
 wort 26
 Setaria 16
 Shad Bush 49
 Shagbark Hickory 31
 Sharp-fruited Rush 24
 Sharp-lobed Liver-
 leaf 41
 Sheep Laurel 69
 Sorrel 36
 Sheepberry 83
 Sheep's Fescue 12
 Shellbark Hickory 31
 Shepherdia 64
 Shepherd's Purse 45
 Shield Fern 1
 Water 40
 Shin Leaf 70
 Shining Club Moss 5
 Cyperus 21
 Willow 30
 Shore Shad Bush 49
 Horsetail 5
 Short-stalked False
 Pimpernel 79
 Short-styled Snake-
 root 67
 Showy Lady's Slip-
 per 27
 Orchis 29
 Tick Trefoil 53
 Shrubby Bitter-sweet 58
 Cinquefoil 51
 Sicyos 84
 Side-saddle Flower 47
 Silene 39
 Silkweed 73
 Common 73
 Silky Cornel 68
 Dogwood 68
 Willow 31
 Silphium 91

- Silver Maple 59
 Weed 50
 Silver-leaved Poplar 29
 Silvery Cinquefoil 50
 Spleenwort 2
 Sinuate-leaved Even-
 ing Primrose 65
 Sisymbrium 46
 Sisyrinchium 27
 Sium 68
 Skullcap 77
 Mad-dog 77
 Marsh 77
 Small 77
 Skunk Cabbage 23
 Sleepy Catchfly 39
 Slender Gerardia 79
 Ladies' Tresses 29
 Mountain Rice 14
 Muhlenbergia 14
 Nettle 34
 Rock Brake 2
 Rush 24
 Vetch 55
 Wheat Grass 9
 Wild Rye 12
 Willow 30
 Wood Reed Grass 11
 Slippery Elm 34
 Slough Grass 16
 Small Bedstraw 82
 Bitter Cress 45
 Crab Grass 12
 Cranberry 71
 Red Morning Glory 73
 Skullcap 77
 Solomon's Seal 26
 Sundrops 65
 White Aster 87
 Whorled Pogonia 29
 Wood Orchis 28
 Yellow Pond Lily 40
 Smaller Enchanter's
 Nightshade 64
 Purple Fringed Or-
 chis 28
 Red-root 60
 Yellow Lady's Slip-
 per 27
 Small-flowered Crow-
 foot 42
 Evening Primrose 65
 Gerardia 79
 St. John's-wort 62
 Smartweed, Common 35
- Water 35
 Smilacina 26
 Smilax 26
 Smooth Alder 32
 Rock Cress 44
 Rose 52
 Sumach 58
 Yellow Violet 63
 Smoother Sweet Cice-
 ly 67
 Snakehead 79
 Snake-mouth 29
 Snakeroot, Black 41, 67
 Clustered 67
 Large-fruited 67
 Seneca 57
 Short-styled 67
 White 88
 Snowberry 83
 Creeping 69
 Garden 83
 Soapberry Family 59
 Soapwort 39
 Solanaceae 78
 Solanum 78
 Solidago 91
 Solomon's Seal 26
 False 26
 Small 26
 Star-flowered 26
 Three-leaved 26
 Two-leaved 25
 Sonchus 92
 Sorbaria 53
 Sorghastrum 16
 Sorrel 36
 Common Wood 56
 Field 36
 Garden 36
 Lady's 56
 Sheep 36
 Wood 56
 Yellow Wood 56
 Sour Gum 68
 Sour-top Blueberry 70
 Sow Thistle 92
 Sparganiaceae 7
 Sparganium 7
 Spartina 16
 Spatter Dock 40
 Spear Grass 15
 Spearmint 76
 Spearwort, Creeping 42
 Speckled Alder 31
 Specularia 84
- Speedwell 80
 Common 80
 Corn 80
 Marsh 80
 Purslane 80
 Thyme-leaved 80
 Spergula 39
 Sphenopholis 16
 Spice Bush 43
 Spike Rush 21
 Spikenard 66
 False 26
 Spinulose Shield Fern 1
 Spiny-leaved Sow
 Thistle 92
 Spiraea 53
 Ash-leaved 53
 Spiranthes 29
 Spirodela 23
 Spleenwort 2
 Ebony 2
 Maidenhair 2
 Narrow-leaved 2
 Rue 2
 Silvery 2
 Sporobolus 16
 Spotted Cowbane 66
 Dead Nettle 76
 Medick 54
 Mint 76
 St. John's-wort 62
 Touch-me-not 60
 Spreading Dogbane 72
 Spring Beauty 40
 Broad-leaved 40
 Spruce 6
 Black 6
 Bog 6
 Cat 6
 Red 7
 White 6
 Spurge 57
 Cypress 57
 Family 57
 Flowering 57
 Spurrey 39
 Corn 39
 Field 39
 Squaw-weed 91
 Robbin's 91
 Round-leaved 91
 Squirrel Corn 44
 Squirrel-tail Grass 13
 Stachys 77
 Staff Tree 58

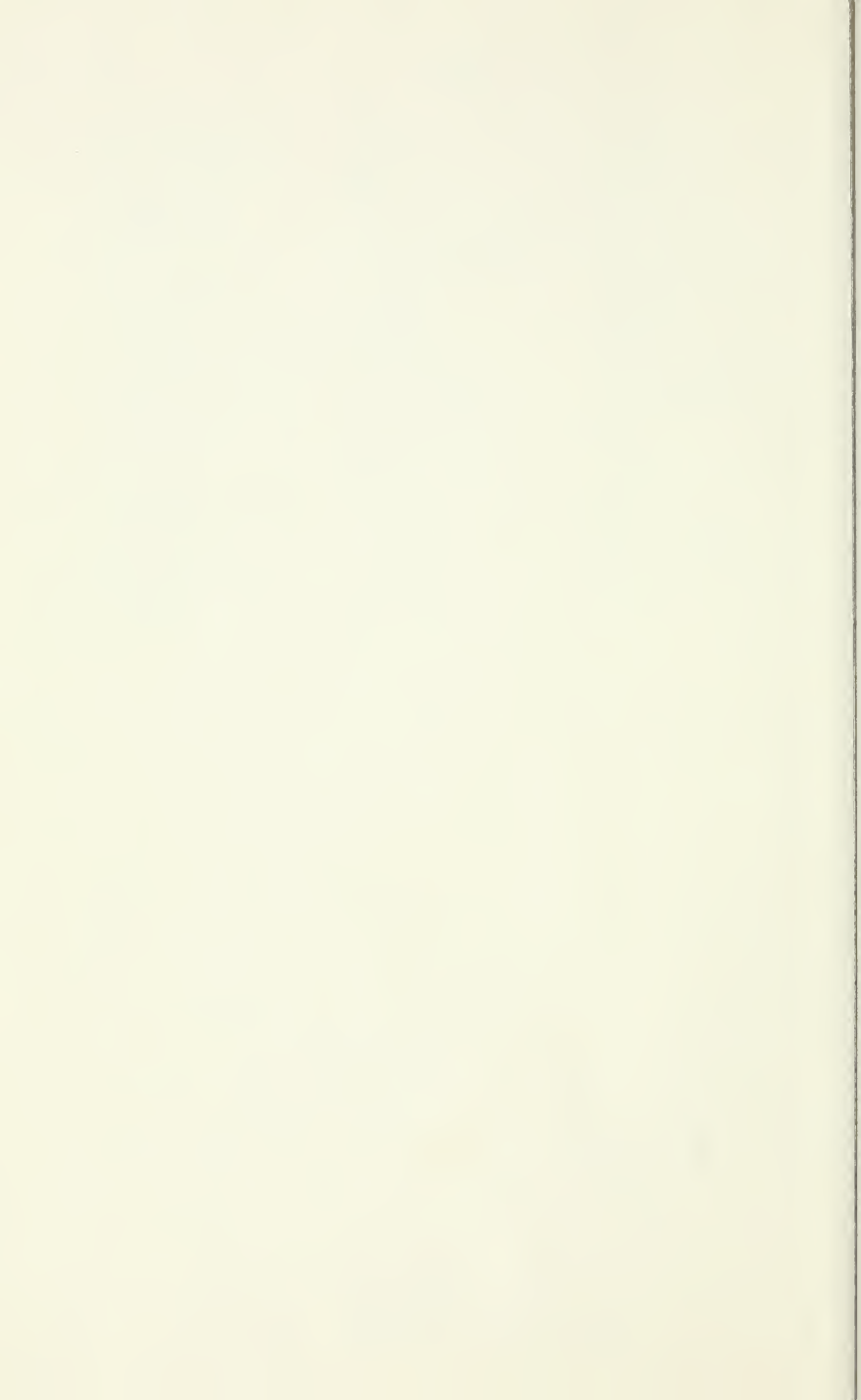
- Family 58
 Staghorn Sumach 58
 Staphylea 59
 Staphyleaceae 59
 Star Cucumber 84
 Flower 72
 Thistle 87
 Star-flowered Solomon's Seal 26
 Starwort 39
 Lesser 39
 Water 57
 Steeple Bush 53
 Steironema 71
 Stellaria 39
 Stemless Lady's Slipper 27
 Stickseed 74
 European 74
 Stick-tight 87
 Stiff Aster 86
 Club Moss 5
 Gentian 72
 Water Crowfoot 42
 Stitchwort, Lesser 39
 Long-leaved 39
 Northern 39
 Stone Clover 55
 Stonecrop 47
 Ditch 47
 Mossy 47
 Storks-bill 56
 Musk 56
 Stout Ragged Golden-rod 92
 Stramonium 78
 Strawberry 50
 Barren 53
 Blite 37
 Tomato 78
 Wild 50
 Wood 50
 Straw-colored Cyperus 21
 Streptopus 26
 Striped Maple 59
 Strong-scented Eragrostis 12
 Succory 87
 Sugar Maple 59
 Sugarberry 33
 Sumach 58
 Dwarf 58
 Poison 58
 Smooth 58
 Staghorn 58
 Summer Grape 60
 Savory 77
 Sundew 47
 Family 47
 Long-leaved 47
 Round-leaved 47
 Sundrops, Small 65
 Sunflower 89
 Common 89
 Pale-leaved Wood 89
 Rough 89
 Thin-leaved 89
 Woodland 89
 Swamp Beggar's-ticks 87
 Blueberry 70
 Buttercup 43
 Dewberry 52
 Dock 36
 Hickory 31
 Loosestrife 64
 Maple 59
 Milkweed 73
 Persicaria 35
 Pink 70
 Red Currant 48
 Rose 52
 Saxifrage 48
 White Oak 32
 Sweet Alyssum 46
 Birch 32
 Cicely 67
 Clover 54
 Fern 31
 Flag 23
 Gale 31
 Gale Family 31
 Scabious 88
 Vernal Grass 10
 White Violet 62
 William 38
 William Catchfly 39
 Sweetbrier 52
 Sweet-scented Bedstraw 82
 White Water Lily 40
 Sycamore 49
 Symphoricarpos 83
 Symphytum 75
 Symplocarpus 23
 Syringa 72
 Tacamahac 29
 Taenidia 68
 Tall Anemone 41
 Blue Lettuce 90
 Buttercup 42
 Cinquefoil 51
 Cone-flower 90
 Crowfoot 42
 Green Orchis 28
 Hairy Agrimony 49
 Hairy Golden-rod 92
 Meadow Rue 43
 Oat Grass 10
 White Aster 86
 White Lettuce 90
 Wild Nettle 34
 Wormwood 86
 Taller Fescue 12
 Tamarack 6
 Tanacetum 92
 Tansy 92
 Common 92
 Tape Grass 9
 Taraxacum 92
 Tare 55
 Tartarian Honey-suckle 83
 Taxaceae 6
 Taxus 6
 Teaberry 69
 Tea, Labrador 69
 Mexican 36
 New Jersey 60
 Tear-thumb, Arrow-leaved 36
 Halberd-leaved 35
 Tendril Creeper 60
 Ternate Grape Fern 4
 Teucrium 78
 Thalictrum 43
 Thimbleberry 52
 Thimble-weed 90
 Thin Grass 10
 Thin-leaved Sunflower 89
 Thistle, Bull 88
 Canada 88
 Common 88
 Common Sow 92
 Field Sow 92
 Plumed 88
 Plumeless 87
 Russian 37
 Sow 92
 Spiny-leaved Sow 92
 Star 87
 Thlaspi 47
 Thorn Apple 78

- White 49
 Thorny Amaranth 37
 Thoroughwort 88
 Three-leaved Solomon's Seal 26
 Three-seeded Mercury 57
 Thuja 7
 Thyme, Basil 77
 Thymelaeaceae 64
 Thyme-leaved Sandwort 38
 Speedwell 80
 Tiarella 48
 Tick Trefoil 53
 Tiger Lily 25
 Tilia 61
 Tiliaceae 61
 Timothy 15
 Tinker's Weed 83
 Toad Rush 24
 Toadflax 79
 Bastard 34
 Tobacco, Indian 84
 Ladies' 85
 Tomatillo 78
 Tomato, Husk 78
 Strawberry 78
 Toothache Tree 56
 Toothed Arrow-wood 83
 Toothwort 45
 Cut-leaved 45
 Large 45
 Two-leaved 45
 Touch-me-not Family 60
 Pale 60
 Spotted 60
 Tower Mustard 44
 Tragopogon 92
 Trailing Arbutus 69
 Traveler's Joy 41
 Treacle Mustard 46
 Tree Club Moss 5
 Cranberry 83
 Nettle 33
 Plane 49
 Rowan 51
 Staff 58
 Toothache 56
 Trefoil 55
 Showy Tick 53
 Tick 53
 Trembling Poplar 30
 Trichostema 78
 Trientalis 72
 Trifolium 55
 Trillium 26
 Nodding 26
 Painted 26
 Purple 26
 White 26
 Triosteum 83
 Triple-awned Grass 10
 Trisetum 16
 Triticum 16
 True Forget-me-not 75
 Trumpet Weed 88
 Tsuga 7
 Tuberos White Water Lily 40
 Tufted Loosestrife 71
 Tumble Mustard 46
 Weed 37
 Tupelo 68
 Turnip 45
 Indian 23
 Wild 23
 Turtlehead 79
 Tussilago 92
 Twayblade 28, 29
 Heart-leaved 29
 Large 28
 Twin-flower 82
 Twisted Whitlow-grass 46
 Twisted-stalk 26
 Two-leaved Miterwort 48
 Pepper-root 45
 Solomon's Seal 25
 Toothwort 45
 Typha 7
 Typhaceae 7
 Ulmus 34
 Umbelliferae 66
 Upright Bindweed 73
 Goosefoot 37
 Urtica 34
 Urticaceae 33
 Utricularia 80
 Uvularia 26
 Vaccinium 70
 Valerian 84
 Family 84
 Valeriana 84
 Valerianaceae 84
 Vallisneria 9
 Vanilla Grass 13
 Velvet Leaf 61
 Velvet-leaf Blueberry 70
 Venus's Looking-glass 84
 Veratrum 26
 Verbascum 80
 Verbena 75
 Verbenaceae 75
 Veronica 80
 Vervain 75
 Blue 75
 Family 75
 White 75
 Vetch 55
 Blue 55
 Common 55
 Milk 53
 Slender 55
 Vetchling 54
 Cream-colored 54
 Viburnum 83
 Vicia 55
 Vinca 73
 Vine, Allegheny 44
 Common Matrimony 78
 Family 60
 Love 73
 Matrimony 78
 Viola 62
 Violaceae 62
 Violet 62
 Canada 62
 Dog 62
 Dog's-tooth 25
 Downy Yellow 63
 Early Yellow 63
 Family 62
 Lance-leaved 63
 Long-spurred 63
 Marsh Blue 62
 Round-leaved 63
 Sand 62
 Smooth Yellow 63
 Sweet White 62
 White 63
 Woolly Blue 63
 Viper's Bugloss 74
 Virginia Creeper 60
 Chain Fern 3
 Virginian Cowslip 75
 Virgin's Bower 41
 Vitaceae 60
 Vitis 60
 Wake Robin 26
 Waldsteinia 53
 Walking Leaf 2
 Walnut 31

- Family 31
 White 31
 Wartweed 57
 Water Arum 23
 Avens 50
 Beech 32
 Cress 46
 Hemlock 66
 Hemp 37
 Horehound 76
 Lily 40
 Lily Family 40
 Marigold 87
 Milfoil 65
 Milfoil Family 65
 Nymph 40
 Oats 16
 Parsnip 68
 Pennywort 67
 Pepper 35
 Plantain 9
 Plantain Family 9
 Purslane 65
 Rice 16
 Shield 40
 Smartweed 35
 Star Grass 24
 Starwort 57
 Starwort Family 57
 Willow 64
 Waterleaf 74
 Family 74
 Water-weed 9
 Wavy-leaved Aster 87
 Waxwork 58
 Weak Spear Grass 15
 Weed, Bugle 75, 76
 Carpet 38
 Cut-leaved Bugle 76
 Jamestown 78
 Jimson 78
 Joe Pye 88
 Silver 50
 Tinker's 83
 Trumpet 88
 Tumble 37
 Wheat 16
 Cow 79
 White Ash 72
 Avens 50
 Baneberry 40
 Beak Rush 22
 Bent Grass 10
 Birch 32
 Bog Orchis 28
 Campion 38
 Cedar 7
 Clover 55
 Daisy 87
 Elm 34
 Fringed Orchis 28
 Golden-rod 91
 Grass 13
 Lettuce 90
 Maple 59
 Melilot 54
 Mulberry 33
 Oak 32
 Pine 7
 Poplar 29
 Snakeroot 88
 Spruce 6
 Sweet Clover 54
 Thorn 49
 Trillium 26
 Vervain 75
 Violet 63
 Walnut 31
 Willow 30
 Wood Aster 86
 White-grained Moun-
 tain Rice 14
 White-heart Hickory 31
 Whiteweed 87
 Whitlow-grass 46
 Twisted 46
 Whorled Loosestrife 71
 Mallow 61
 Mint 76
 Pogonia 29
 Wicky 69
 Wicopy 64
 Wild Allspice 43
 Balsam-apple 84
 Bean 53
 Bergamot 76
 Black Cherry 51
 Black Currant 48
 Broom Corn 15
 Calla 23
 Carrot 67
 Chamomile 90
 Chess 11
 Clematis 41
 Coffee 83
 Columbine 41
 Comfrey 74
 Cranesbill 56
 Cucumber 84
 Elder 66
 Ginger 34
 Iris 27
 Leek 25
 Lettuce 90
 Lily of the Valley 25
 Liquorice 82
 Lupine 54
 Madder 82
 Mint 76
 Morning Glory 73
 Oat Grass 11
 Orange-red Lily 25
 Parsnip 67
 Peppergrass 46
 Plum 51
 Raisin 83
 Red Cherry 51
 Red Raspberry 52
 Rice 16
 Rye 12
 Sarsaparilla 66
 Strawberry 50
 Turnip 23
 Yellow Lily 25
 Willow 30
 Beaked 30
 Black 30
 Bog 30
 Crack 30
 Family 29
 Glaucous 30
 Heart-leaved 30
 Prairie 30
 Purple 30
 Pussy 30
 Sand-bar 30
 Shining 30
 Silky 30
 Slender 30
 Water 64
 White 30
 Willow-herb 64
 Great 65
 Northern 64
 Purple-leaved 65
 Wind Flower 41
 Winter Cress 44
 Winterberry 58
 Wintergreen 70
 Aromatic 69
 Bog 70
 Chickweed 72
 Flowering 57
 Greenish-flowered 70
 One-sided 70

- Round-leaved 70
 Wire Grass 15
 Witch Hobble 83
 Witch-hazel 49
 Family 49
 Withe-rod 83
 Wood Anemone 41
 Betony 79
 Chess 11
 Fern 1
 Grass 16
 Horsetail 5
 Lily 25
 Nettle 33
 Reed Grass 11
 Rush 24
 Sage 78
 Sorrel 56
 Sorrel Family 56
 Strawberry 50
 Woodbine 60
 Woodland Agrimony 49
 Sunflower 89
 Woodsia 3
- Blunt-lobed 3
 Rusty 3
 Woodwardia 3
 Wool Grass 22
 Woolly Blue Violet 63
 Sweet Cicely 67
 Worm-seed Mustard 46
 Wormwood 86
 Roman 85
 Tall 86
 Xanthium 93
 Yarrow 85
 Common 85
 Yellow Adder's
 Tongue 25
 Avens 50
 Bartonia 72
 Birch 32
 Clintonia 25
 Clover 55
 Cress 46
 Daisy 90
 Dock 36
- Foxtail 16
 Iris 27
 Melilot 54
 Myrtle 71
 Nut Grass 21
 Oak 33
 Pimpernel 68
 Pond Lily 40
 Puccoon 42
 Rocket 45
 Sweet Clover 54
 Water Crowfoot 42
 Wood Sorrel 56
 Yellow-barked Oak 33
 Yew 6
 American 6
 Family 6
 Zanthoxylum 56
 Zea 16
 Zig-zag Clover 55
 Golden-rod 91
 Zizania 16
 Zizia 68











APR 70



N. MANCHESTER,
INDIANA

North Carolina State University Libraries

QK190 .F6

FLORA OF BURLINGTON AND VICINITY A LIST OF TH



S02777220 C