

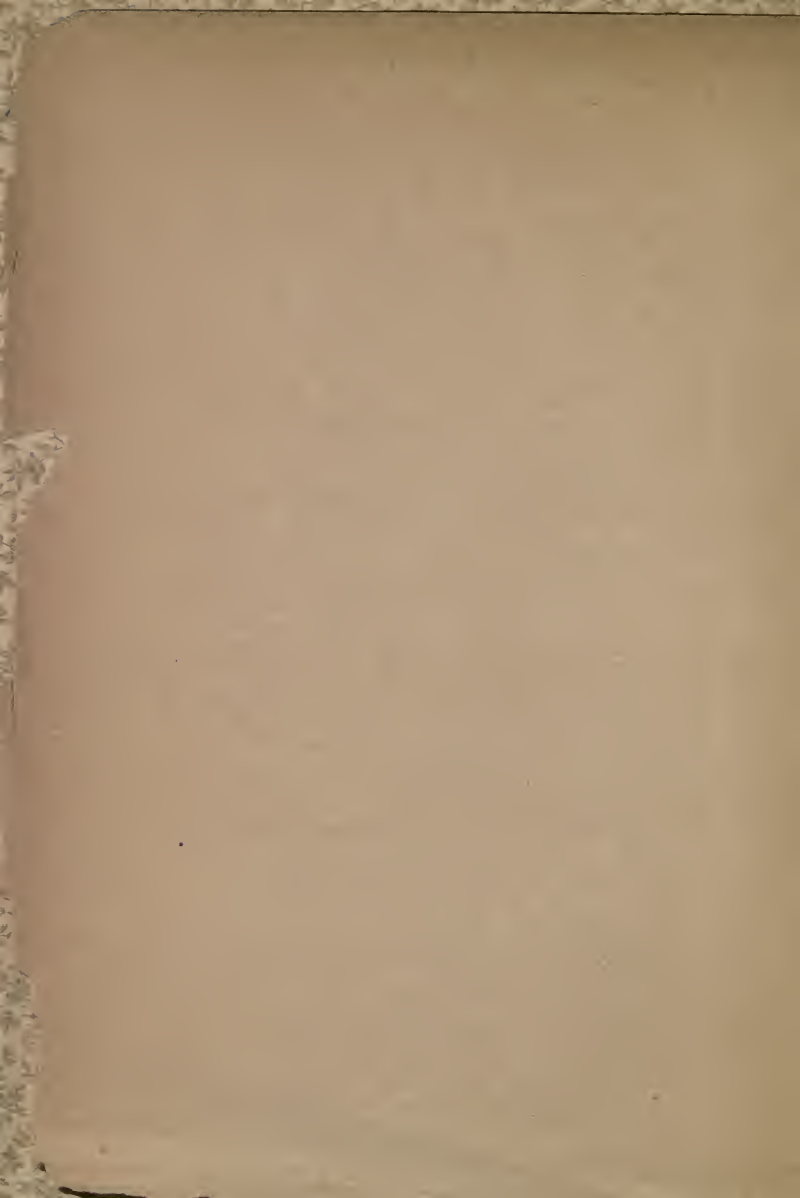


~~Walter H. Hodge~~

5th of

Miss Charles Rice

Day & Sarah
Hammond
June, 1903



To
Charles Irving Rice
with the compliments of
Joseph Jackson.

Worcester, September 9th. 1909





A WOOD ROAD

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1909
SRLF

A CATALOGUE
OF THE
Flowering Plants and Ferns
OF
Worcester County, Massachusetts

BY
JOSEPH JACKSON

ILLUSTRATIONS FROM PHOTOGRAPHS
By J. C. LYFORD

AND FROM DRAWINGS
By HELEN D. BURGESS

THIRD EDITION. REVISED AND ENLARGED

"Benedicite, universa germinantia in terra, Domino."

"O all ye Green Things upon the earth, bless ye the
Lord: praise him and magnify him forever."



WORCESTER NATURAL HISTORY SOCIETY
WORCESTER
1909

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FRANKLIN P. RICE

HENRY BILLINGS

HERBERT D. BRAMAN

JOSEPH JACKSON

Publication Committee

PREFACE.

IN 1883 I prepared for publication the first *Catalogue of the Plants of Worcester County, Massachusetts*, containing eight hundred and twelve species and well-marked varieties.

In 1894 the second edition, enlarged to ten hundred and ninety-eight species, was issued. In the meantime, by the kind and generous help of many friends, all of whom will understand, I hope, that whether their names appear in these pages or not, my sense of obligation to them is here fully acknowledged and gratefully remembered, more than a hundred additions have been made.

The arrangement and the nomenclature are those of Gray's *New Manual of Botany*, Seventh Edition, 1908, the book most likely to be used by all persons interested in the study of the local flora here given.

In the hope that they may add some interest to certain plants in the catalogue, I have inserted references to a few plants, made by writers of recognized standing in American and English literature. I have not included writers like Thoreau in this country and Jefferies in England, whose writings abound in such references, on the ground that their works are more or less well known to all persons interested in wild flowers found in their respective countries.

J. J.

Flora of Worcester County.

DIVISION I. PTERIDOPHYTA.

(*Ferns and Fern Allies.*)

POLYPODIACEÆ (FERN FAMILY).

- Polypodium** (Tourn.) L. Polypody.
vulgare L. On rocks, common.
- Phegopteris** (Presl.) Fée. Beech Fern.
polypodioides Fée. In moist woods, common.
hexagonoptera (Michx.) Fée.
In dry woods and on hillsides, common.
- Dryopteris** (L.) Fée. Oak Fern.
In moist woods and thickets, common.
- Adiantum** (Tourn.) L. Maidenhair.
pedatum L.
In woods and along walls and fences, common. A
much-sought species.
- Pteris** L. Brake or Bracken.
aquilina L.
In dry and in moist sunny places, very common.

“There are few stiller things than the stillness of a summer’s noon such as this, a summer’s noon in a broken woodland, with the deer asleep in the bracken, and the twitter of birds silent in the coppice, and hardly a leaf astir in the huge beeches that fling their cool shade over the grass.” Green’s “Short Studies from England and Italy,” the first essay.

- Pellaea** Link. Cliff Brake.
atropurpurea (L.) Link.
 Berlin. Prof. G. E. Stone.
 See *Rhodora*, vol. ii, p. 14.
- Woodwardia** Sm. Chain Fern.
virginica (L.) Sm.
 Webster; R. F. Harper: Gardner; R. F. Cheney.
- Asplenium** L. Spleenwort.
Trichomanes L. On rocky hillsides, not common.
 Millbury; Brookfield.
platyneuron (L.) Oakes.
 On rocky hillsides, and along stone walls and fences,
 more common than the last.
acrostichoides Sw.
 In rich moist woods, along the margins of swamps
 and on moist roadsides, common.
Filix-femina (L.) Bernh. Lady Fern.
 Common along moist roadsides and the edges of wood-
 lands.
- Camptosorus** Link. Walking Leaf.
rhizophyllus (L.) Link.
 Brookfield. See statement by Prof. G. E. Stone in
Rhodora, vol. ii, p. 14.
- Polystichum** Roth.
acrostichoides (Michx.) Schott. Christmas Fern.
acrostichoides, var. **incisum** Gray.

The variety is not so common as the species, which abounds in the woods and is very attractive in late autumn with its evergreen fronds.

- Aspidium** Sw. Shield Fern. Wood Fern.
Thelypteris (L.) Sw. Common in moist woods.
simulatum Davenport. Massachusetts Fern.
 Worcester, Holden.
noveboracense (L.) Sw. New York Fern.
 Common in rich woods.
marginale (L.) Sw.
 Very common in woods and shaded places.

To see, under a compound microscope, the ripe sporanges spring backward and scatter the spores is a sight granted to comparatively few persons, but to those elect few it is "a joy forever."

- Goldianum** Hook. Goldie's Fern.
 Spencer. Miss A. E. Tucker.
Boottii Tuckerm. Boott's Shield Fern.
 Hardwick. Miss Grace E. Baker.
cristatum (L.) Sw. Crested Shield Fern.
 Along brooks through woodlands, and on the margins
 of swamps.
cristatum, var. **Clintonianum**. D. C. Eaton.
 In similar situations with the preceding.
spinulosum (O. F. Müller) Sw.
 In rich woods, common.
spinulosum, var. **intermedium** (Muhl.) D. C. Eaton.
 In woods, common.

- Cystopteris** Bernh. Bladder Fern.
fragilis (L.) Bernh.

I have found it sparingly in Worcester and in Brookfield. In the latter town it was growing on a rocky, wooded hillside with the small *Aspleniums* and *Clematis verticillaris*, a combination worth traveling miles to see.

Woodsia R. Br.*ilvensis* (L.) R. Br. Rusty Woodsia.

Spencer. Miss A. E. Tucker.

obtusa (Spreng.) Torr.

Rare. Miss Wheelock.

Dicksonia L'Her.*punctilobula* (Michx.) Gray. Hay-scented Fern.Common, especially along the margins of woods and
along stone walls, in pastures, and by roadsides.**Onoclea** L.*sensibilis* L. Sensitive Fern.

Very common in low lands.

sensibilis, var. *obtusilobata*.

Princeton. Profs. W. W. Bailey and J. F. Collins.

Struthiopteris (L.) Hoffm. Ostrich Fern.

Worcester; Leicester.

In rich, moist soil.

SCHIZÆACEÆ (CURLY GRASS FAMILY).

Lygodium Sw. Climbing Fern.*palmatum* (Bernh.) Sw.

Uxbridge; Oxford.

Rare.

OSMUNDACEÆ (FLOWERING FERN FAMILY).

Osmunda (Tourn.) L. Flowering Fern.*regalis* L. Royal Fern.

Common in swamps and in moist lands by roadsides.

Claytoniana L. Clayton's Fern.

Very common, with the preceding.

cinnamomea L. Cinnamon Fern.

Very common in low grounds.

These three species are often found growing together, and are probably our most conspicuous ferns. They have a wide range

throughout the world. The first (*regalis*) is found from Sweden to Siberia, in Japan, the Azores, the Barbary States, on the Himalayas and the Neilgheeries, at Bombay, Hong-kong, in Cochin China, the Mascarene Islands, Zambesi-land, Angola, Natal, Cape Colony, Canada as far as the Saskatchewan country, south to Rio Janeiro. The second is found in Newfoundland, the Dominion of Canada, throughout the United States, and on the Himalayas to an altitude of ten thousand feet. The third is found from Newfoundland and Canada to Mexico, in the West Indies, Guatemala, New Granada and the Organ Mountains of Brazil; also in Japan, Manchuria, and the Amoor country.

There are three other species of this genus, found on the eastern side of Asia.

The following quotation is from William Black's novel *Briseis*, chapter IV.

"Briseis, I want to tell you something. . . . When I was quite a lad, I discovered among the slopes above Gourrock a little dell in which the *Osmunda regalis* was growing in great luxuriance. The *Osmunda* is rare on that coast — and — and — I was proud of my discovery — and kept the secret to myself; and many a time I used to go and sit in the little hollow, under the birch trees, and listen to the trickling of the burn. And then — well, you see, I was foolish and romantic — and my only love in those days was the hillside — I took it into my head that I would spend a night in that dell with the *Osmundas* as my only companions. It was not a cold night either; but I found the ground very hard and damp before I could get to sleep. I remember the stars through the birch trees overhead. Well, the weather must have changed during the night; for when I woke, just about daybreak, there was a fine, thin rain falling, and I was wet through to the skin, and shivering with cold. And I was miles and miles away from home. You may guess what followed — rheumatic fever — and all its worst consequences; so that from that hour my life was broken." [Read chapters I and IV for the pathetic story of Sir John Elliott.]

The following quotation is from chapter XVIII of Smiles' *Robert Dick*, a very interesting biography of an interesting naturalist.

“Dick also continued his search for ferns. He often wandered along the foot of Dunnet Head, when the tide was out, and climbed up the rocks into some shady nook where the ferns grew. They did not grow on the eastern side of the cliffs, but on the west, where the Gulf Stream washes along the headland. Sometimes he descended the western cliffs, where a fall of the red sandstone had taken place, and there he found the ferns of which he had come in search. It was a glorious day for him when he found the Royal Fern — *Osmunda regalis* — growing there in its native beauty. ‘I can yet recollect,’ he says, ‘how happy I was when I found the first *Osmunda*. I was wearied, and sore, and sick, and nearly tired of this world and all that’s in it, when I caught sight of that glorious Fern, large, radiant, and flourishing, among the reft sandstone cliffs of Dunnet Head. What a beauty! Almost approaching to the size of a tree fern!’”

In Worcester County it is rarely found more than five feet in height; oftener two or three feet.

OPHIOGLOSSACEÆ (ADDER’S TONGUE FAMILY).

Ophioglossum (Tourn.) L. Adder’s Tongue.

vulgatum L.

Worcester; Spencer, Miss A. E. Tucker.

Botrychium Sw. Moonwort.

lanceolatum (Gmel.) Angstroem, var. **angustisegmentum** Pease and Moore.

Princeton. W. W. B. and J. F. C.

ramosum (Roth) Aschers.

Princeton. W. W. B. and J. F. C.

obliquum Muhl.

Pastures mostly.

obliquum, var. **dissectum**.

Often with the species.

ternatum (Thun.) Sw, var. **intermedium** D. C. Eaton.

In pastures and open woods.

virginianum (L.) Sw.

Rattlesnake Fern.

Common, in rich woods.

EQUISETACEÆ (HORSETAIL FAMILY).

- Equisetum** (Tourn.) L. Horsetail.
arvense L. Common Horsetail.
 In sandy soil, as railroad embankments, common.
pratense Ehrh.
 Templeton. Mr. P. Blodgett.
sylvaticum L. Wood Horsetail.
 Damp, shady places, common.
fluviatile L. Pipes.
 In swamps and shallow water.
hyemale L. Scouring Rush.
 Prof. G. E. Stone. In wet places.
scirpoides Michx.
 Southbridge. Mr. L. E. Ammidown.

LYCOPODIACEÆ (CLUB MOSS FAMILY).

- Lycopodium** (Rupp) L. Club Moss.
Selago L.
 Mt. Watatic, Ashburnham.
lucidulum Michx. In wet woods, common.
inundatum L. On sandy shores.
annotinum L.
 In open woods, apparently not well known in the county.
 Leicester. Mr. George Coult.
clavatum L. Common Club Moss.
 Very common, especially in old, hillside pastures.

“As I spoke, beneath my feet
 The ground pine curled its pretty wreaths
 Running over the club-moss burrs.”

R. W. EMERSON: *Each and All*.

obscurum L.

Worcester. Mrs. Ella L. Horr.

obscurum L., var. **dendroideum** Michx.

In moist woods, common

complanatum L., var. **flabelliforme** Fernald. Ground

Pine. Mrs. Ella L. Horr.

Common.

tristachyum Pursh.

Leicester. Mr. George Coult.

SELAGINELLACEÆ.

Selaginella Beauv.

rupestris (L.) Spring.

Worcester. Mr. G. T. Rignel.

apus (L.) Spring.

Southbridge. Mr. L. E. Ammidown.

ISOETACEÆ (QUILLWORT FAMILY).

Isoetes L. Quillwort.

echinospora Dur., var. **Braunii** (Dur.) Engelm.

Prof. G. E. Stone.

DIVISION II. SPERMATOPHYTA.

(Seed-Plants, Phanerogamia, or Flowering Plants.)

TAXACEÆ (YEW FAMILY).

- Taxus** (Tourn.) L. Yew.
canadensis Michx. Ground Hemlock.
Worcester. Mr. George Coult. In dry woods.

PINACEÆ (PINE FAMILY).

- Pinus** [Tourn.] L. Pine.
Strobilus L. White Pine.

“Come to me,
Quoth the pine-tree,
‘I am the giver of honor.
He is great who can live by me.

.
Who leaves the pine-tree, leaves his friend,
Unnerves his strength, invites his end.”

R. W. EMERSON: *Woodnotes*, II.

- rigida** Mill. Pitch Pine. Common.
resinosa Ait. Red Pine.
Templeton. Mr. V. P. Parkhurst.
- Larix** [Tourn.] Mill. Larch.
laricina (Du Roi) Koch. Hackmatack.
Common in the northern part of the county.

- Picea** Link. Spruce.
rubra (Du Roi) Dietr. Red Spruce. Uplands.
 Miss A. H. Tucker.
mariana (Mill.) BSP. Black Spruce. Not rare.
- Abies** [Tourn.] Hill. Fir.
balsamea (L.) Mill. Balsam Fir.
 In the northern part of the county.
- Tsuga** (Endl.) Carr. Hemlock.
canadensis (L.) Carr. A common tree.
- Chamæcyparis** Spach. White Cedar.
thyoides (L.) BSP. White Cedar.
 In swamps, not rare.
- Thuja** L. Arbor Vitæ.
occidentalis L. Arbor Vitæ.
 Templeton. Mr. P. Blodgett.
- Juniperus** [Tourn.] L. Juniper.
communis L. Common Juniper.
 In pastures and on dry hills.
communis, var. *montana* Ait. Low Juniper.
 On Rattlesnake Hill, Worcester. Mr. Burton E. Gates.
horizontalis Moench.
 Templeton. Mr. P. Blodgett.
virginiana L. Red Cedar.
 In similar situations with the first.

TYPHACEÆ (CAT-TAIL FAMILY).

- Typha** [Tourn.] L. Cat-tail Flag.
latifolia L. Common Cat-tail.
 In swamps and shallow waters, common.

SPARGANIACEÆ (BUR-REED FAMILY).

- Sparganium** [Tourn.] L. Bur-reed.
eurycarpum Engelm.
 Along streams and on the margins of ponds, common.
americanum Nutt, var. **androcladum** (Engelm.) F. and E.
 Prof. G. E. Stone.
angustifolium Michx.
 Prof. G. E. Stone.
simplex Huds.
 Southbridge. Mr. L. E. Ammidown.
minimum Fries.
 Lake Quinsigamond. Prof. G. E. Stone.

NAJADACEÆ (PONDWEED FAMILY).

- Potamogeton** [Tourn.] L. Pondweed.

This genus was revised for me by the Rev. Thomas Morong, in his day an authority in New England on this genus. The species found since his revision are credited to the finders.

- natans** L. Common in ponds and quiet streams.
Oakesianus Robbins. Uxbridge.
epihydus Raf. Common in ponds and quiet streams.
americanus C. and S.
 Worcester. Miss E. M. Sargent.
pulcher Tuckerman.
 Lake Quinsigamond. Prof. G. E. Stone.
amplifolius Tuckerman.
 Lake Quinsigamond.
heterophyllus Schreb.
 Lake Quinsigamond.

- heterophyllus*, var. *myriophyllus* (Robbins) Morong.
Lake Quinsigamond.
- perfoliatus* L.
Brookfield. Mr. R. M. Harper.
- obtusifolius* Mertens and Koch.
Beaver Brook, Worcester.
- pusillus* L. Common.
- pusillus*, var. *polyphyllus* Morong.
Lake Quinsigamond.
- pusillus*, var. *tenuissimus* Mertens and Koch.
Lake Quinsigamond.
- Vaseyi* Robbins.
Lake Quinsigamond.
- gemmiparus* Robbins. Common.
- foliosus* Raf.
Lake Quinsigamond.
- confervoides* Reichenb.
Shockalog Pond, Uxbridge.
- hybridus* Michx. Common.
- dimorphus* Raf. Common.
- Robbinsii* Oakes.
Lake Quinsigamond.
- Najas* L. Naiad.
- flexilis* (Willd.) R. and S.
Lake Quinsigamond. T. Morong.
- gracillima* (A. Br.) Magnus.
Lake Quinsigamond. T. Morong.

JUNCAGINACEÆ (ARROW GRASS FAMILY).

- Scheuchzeria* L.
palustris L.
Lake Quinsigamond. Prof. G. E. Stone.

ALISMACEÆ (WATER PLANTAIN FAMILY).

- Sagittaria** L. Arrow-head.
latifolia Willd. Common in shallow water.
Engelmanniana J. G. Sm.
 Prof. G. E. Stone.
graminea Michx.
 Prof. G. E. Stone.
- Alisma** L. Water Plantain.
Plantago-aquatica L. Common in shallow water.

HYDROCHARITACEÆ (FROG'S BIT FAMILY).

- Elodea** Michx. Water-weed.
canadensis Michx. Ponds, common.
- Vallisneria** [Mich.] L. Tape Grass. Eel Grass.
spiralis L.
 Lake Quinsigamond.

GRAMINEÆ (GRASS FAMILY).

- Andropogon** [Royer] L. Beard Grass.
scoparius Michx. Common in dry, sandy fields.
virginicus L.
 Princeton. Mr. T. E. N. Eaton.
furcatus Muhl. In dry, open grounds.
- Sorghastrum** Nash.
nutans (L.) Nash. Wood Grass.
 In dry fields, not rare.

- Digitaria** Scop. Finger Grass.
filiformis (L.) Koeler.
 Oxford, Mr. C. H. Knowlton; Brookfield, Mr. R. M. Harper.
sanguinalis (L.) Scop. Crab Grass.
 Common, especially in lawns.
- Paspalum** L.
setaceum Michx. Common in dry fields.
læve Michx. In moist fields.
 Prof. G. E. Stone.
- Panicum** L. Panic Grass.
capillare L. Old-witch Grass.
 Very common in waste places.
philadelphicum Bernh.
 Templeton. Mr. P. Blodgett.
dichotomiflorum Michx.
 Brookfield. Dudley, Mr. C. H. Knowlton.
virgatum L. Switch Grass.
 In sandy swamp, Webster, Mr. C. H. Knowlton.
agrostoides Spreng.
 Sandy or gravelly margins of ponds.
depauperatum Muhl. On dry hills, not rare.
dichotomum L. Common in woodlands.
xanthophysum Gray.
 Princeton.
clandestinum L.
 Templeton. Mr. P. Blodgett.
Bosci Poir. In open woodlands.
latifolium L. In rocky woods.
miliaceum L. European Millet.
 East Worcester. Not common.

- Echinochloa** Beauv.
Crusgalli (L.) Beauv. Barnyard Grass.
 Very common in waste places.
- Setaria** Beauv. Bristly Foxtail Grass.
glauca (L.) Beauv. Foxtail Grass.
 Common in waste places.
viridis (L.) Beauv. Bottle Grass.
 Common in waste places.
italica (L.) Beauv. Hungarian Grass.
 Occasionally spontaneous.
- Cenchrus** L. Bur Grass.
tribuloides L. Sandy soil, not common.
- Zizania** (Gronov.) L. Water Rice.
palustris L. Indian Rice.
 Lake Quinsigamond. Prof. G. E. Stone.
 An. Rep. Wor. Nat. Hist. Soc., 1900.
- Leersia** Sw. Cut-grass.
virginica Willd. White Grass.
 Southbridge. Mr. R. M. Harper.
oryzoides (L.) Sw. Rice Cut-grass.
 Common in wet lands.
- Phalaris** L. Canary Grass.
canariensis L. Canary Grass.
 In waste places, occasional.
arundinacea L. Reed Canary Grass.
 In swampy places, common.
- Anthoxanthum** L. Sweet Vernal Grass.
odoratum L. Common in meadows and pastures.
- "I have just made out my first grass, hurrah! hurrah! I must confess that fortune favors the bold, for, as good luck would have it, it was the easy *Anthoxanthum odoratum*: nevertheless it is a great

discovery; I never expected to make out a grass in all my life, so hurrah! It has done my stomach surprising good."—Letter of Charles Darwin to Sir J. D. Hooker, June 5, 1855. See "Life and Letters of Charles Darwin," edited by Francis Darwin, vol. i, p. 418.

- Milium** (Tourn.) L. Millet Grass.
effusum L.
 Brookfield. Mr. R. M. Harper.
- Oryzopsis** Michx. Mountain Rice.
pungens (Torr.) Hitchc.
 West Boylston. Mr. T. E. N. Eaton.
asperifolia Michx.
 Mount Wachusett.
racemosa (Sm.) Ricker.
 Princeton. W. W. B. and J. F. C.
- Stipa** L. Feather Grass.
canadensis Poir.
 Mount Wachusett. Mr. T. E. N. Eaton.
- Aristida** L. Triple-awned Grass.
dichotoma Michx. Poverty Grass.
 Dudley. Mr. R. M. Harper.
gracilis Ell.
 Sturbridge. Mr. R. M. Harper.
- Muhlenbergia** Schreb.
tenuiflora (Willd.) BSP. In rocky woods, common.
sylvatica Torr. In copses, common.
mexicana (L.) Trin.
 Princeton. W. W. B. and J. F. C.
racemosa (Michx.) BSP.
 Southbridge. Mr. L. E. Ammidown.
Schreberi J. F. Gmel. Dry hills, common.

- Brachyelytrum** Beauv.
erectum (Schreb.) Beauv. Copses, not common.
- Phleum** L.
pratense L. Timothy. Herd's Grass.
 Meadows and roadsides, common.
- Alopecurus** L. Foxtail Grass.
pratensis L. Meadow Foxtail. Common in meadows.
geniculatus L. Floating Foxtail.
 In very wet meadows.
- Sporobolus** R. Br. Drop-seed.
vaginiflorus (Torr.) Wood. In dry fields.
uniflorus (Muhl.) Scribn. and Merr.
 Mr. R. M. Harper.
- Agrostis** L. Bent Grass.
alba L. White Bent Grass. Very common.
hyemalis (Walt.) BSP. Hair Grass. In dry fields.
perennans (Walt.) Tuckerm. Thin Grass.
 In damp places, common.
- Calamagrostis** Adans.
canadensis (Michx.) Beauv. Blue-joint Grass.
 In meadows and swampy places.
cinnoides (Muhl.) Barton. In moist places, common.
- Cinna** L. Wood Reed Grass.
arundinacea L. Borders of woods, not rare.
latifolia (Torr.) Griseb.
 Princeton. W. W. B. and J. F. C.
- Holcus** L.
lanatus L. Velvet Grass. In moist meadows.
- Deschampsia** Beauv.
flexuosa (L.) Trin. Common Hair Grass.
 Mount Wachusett.

- Arrhenatherum** Beauv. Oat Grass.
elatius (L.) Beauv. Tall Oat Grass.
 In meadows, not common.
- Danthonia** DC. Wild Oat Grass.
spicata (L.) Beauv. In pastures, common.
compressa Aust.
 Templeton. Mr. P. Blodgett.
- Spartina** Schreb. Marsh Grass.
Michauxiana (Hitchc.) Slough Grass.
 Brookfield. Mr. R. M. Harper.
- Eleusine** Gaertn. Goose Grass.
Indica Gaertn.
 Southbridge. Mr. L. E. Ammidown. Adventitious.
- Phragmites** Trin. Reed.
communis Trin.
 Westborough. Mr. A. N. Randlett.
- Eragrostis** Beauv.
pilosa (L.) Beauv. Not common.
 Prof. G. E. Stone.
megastachya (Koeler) Link. In waste places.
refracta (Muhl.) Scribn. In pastures and dry soil.
- Melica** L. Melic Grass.
striata (Michx.) Hitchc. Not common.
 Prof. G. E. Stone.
- Briza** L. Quaking Grass.
media L.
 Millbury. Not common.

In Britten and Holland's "Dictionary of English Plant-Names" the following list of fifty-four common names of this grass is given: amouret, bird's-eye, cow-quake, dadder-grass, danglethorn, dawther,

didder-grass, diddery-docks, dithering-grass, dodder, dodder-grass, doddering-dickies, doddering dillies, doddering grass, doddering jockies, dodderin-nancy, doddle-grass, dothering dicks, dothering-toms, earth-quakes, whacker gerse, fairy grass, pearl grass, quaker grass, rattle grass, shaking grass, shiver grass, shivering grass, swaggering grass, totter grass, tottering grass, trembling grass, wagging grass, hay shakers, jockey grass, lady's hair, maiden-hair, mountain flax, quack-ducks, quakers, shake ladies, shakers, shivering jimmy, sillar shakle, silver gingers, silver shakers, suisilk, tassels, trembling jockies, thremlin-jockies, wag wanton, wag-wants, wiggle-waggles, wig-wag-wanton, wiggle-waggle-wantons.

Dactylis L. Orchard Grass.

glomerata L.

Common in meadows.

Poa L. Spear Grass. Meadow Grass.

annua L. Low Spear Grass.

In cultivated and in waste places, common.

The following interesting reference to this grass is given in Hooker's "Himalayan Journals," Chapter IX, the account of his exploration of the Wallanchon Pass at an elevation of 12,000 feet:

"Along the narrow path I found the two commonest of all British weeds, a grass (*Poa annua*) and the shepherd's purse! They had evidently been imported by men and yaks, and as they do not occur in India, I could not but regard these little wanderers from the north with the deepest interest.

"Such incidents as these give rise to trains of reflection in the mind of the naturalist-traveler; and the farther he may be from home and friends, the more wild and desolate the country he is exploring, the greater the difficulties and dangers under which he encounters these subjects of his earliest studies in science; so much keener is the delight with which he recognizes them, and the more lasting is the impression which they leave. At this moment these common weeds more vividly recall to me that wild scene than does my journal, and remind me how I went on my way, taxing my memory for all it ever

knew of the geographical distribution of the shepherd's purse and musing on the probability of the plant having found its way thither over all Central Asia, and the ages that may have been occupied in its march."

- compressa** L. Canada Blue Grass.
 Dudley. Mr. R. M. Harper.
triflora Gilib. Fowl Meadow Grass. Common.
pratensis L. June Grass. Kentucky Blue Grass.
 Common.

"Over the stretches of woodland pasture, over the meadows and the lawns, by the edges of turnpike and lane, in the fence corners — wherever its seed has been allowed to flourish — it spreads a verdure so soft in fold and fine in texture, so entrancing by its freshness and fertility, that it looks like a deep-lying, thick-matted emerald moss." — See James Lane Allen's charming account of "The Blue-Grass Region of Kentucky."

- Glyceria** R. Br. Manna Grass.
Torreyana (Spreng.) Hitchc.
 In the southeastern part of the county.
obtusa (Muhl.) Trin. In wet places.
canadensis (Michx.) Trin. Rattlesnake Grass.
 In wet places, common.
laxa Scribn.
 Templeton. Mr. P. Blodgett.
nervata (Willd.) Trin. Fowl Meadow Grass.
 In wet places, common.
pallida (Torr.) Trin.
 Mr. R. M. Harper.
 In the southeastern part of the county.
septentrionalis Hitchc. In shallow water.
acutiflora Torr. In wet places and in shallow water.

- Festuca L.** Fescue Grass.
ovina L. Sheep's Fescue.
 Prof. G. E. Stone. In fields and waste places.
elatior L. Meadow Fescue.
 In rich grasslands, common.
nutans Spreng.
 Princeton. W. W. B. and J. F. C.
- Bromus L.** Brome Grass.
secalinus L. Cheat.
 In waste grounds, not common.
racemosus L. In waste grounds.
tectorum L.
 In waste grounds in the southern part of the
 county.
ciliatus L. Along river-banks.
- Lolium L.** Darnel.
perenne L. Common Darnel.
 In fields and on roadsides.
- Agropyron Gaertn.**
repens (L.) Beauv. Couch Grass. Quitch Grass.
 Very common in waste places.
- Hordeum (Tourn.) L.** Barley.
jubatum L. Squirrel-tail Grass.
 Worcester. Miss E. J. Seaver.
- Elymus L.** Wild Rye.
virginicus L. In moist soil.
canadensis L. In sandy soil.
- Hystrix Moench.** Bottle-brush Grass.
patula Moench. In rocky woods.

CYPERACEÆ (SEDEGE FAMILY).

- Cyperus** (Tourn.) L. Galingale.
diandrus Torr. In low grounds.
aristatus Rottb.
 Brookfield. Mr. R. M. Harper.
dentatus Torr. On the margins of ponds.
strigosus L. In swampy places.
filiculmis Vahl. In dry soil.
- Dulichium** Pers.
arundinaceum (L.) Britton. In swamps.
- Eleocharis** R. Br. Spike Rush.
Robbinsii Oakes.
 Mr. R. M. Harper.
 In the southeastern part of the county.
ovata (Roth) R. and S. In wet places.
palustris (L.) R. and S. In ponds and swamps.
palustris, var. *glaucescens* (Willd.) Gray.
 Southbridge. Mr. R. M. Harper. In moist meadows.
acicularis (L.) R. and S.
 Worcester. Mr. T. E. N. Eaton.
tenuis (Willd.) Schultes. Along the margins of ponds.
intermedia (Muhl.) Schultes. In marshes.
- Stenophyllus** Raf.
capillaris (L.) Britton. In dry soil.
- Fimbristylis** Vahl.
autumnalis (L.) R. and S. In low grounds.
- Scirpus** (Tourn.) L. Bulrush.
planifolius Muhl.
 Sturbridge; West Brookfield. Mr. R. M. Harper.
hudsonianus (Michx.) Fernald.
 In the eastern part of the county, rare.

- subterminalis** Torr. In slow streams and in ponds.
debilis Pursh.
 Southbridge. Mr. R. M. Harper.
americanus Pers.
 Brookfield. Mr. R. M. Harper.
Torreyi Olney.
 Lake Quinsigamond. Prof. G. E. Stone.
validus Vahl. Great Bulrush. In ponds and streams.
rubrotinctus Fernald.
 Hardwick. Mr. R. M. Harper.
sylvaticus L. In brooks.
 Mr. T. E. N. Eaton.
atrovirens Muhl. In wet places, common.
polyphyllus Vahl.
 Worcester. Mr. T. E. N. Eaton.
cyperinus (L.) Kunth. Wool Grass.
 In swamps, common.
cyperinus (L.) Kunth. var. **condensatus** Fernald.
 Douglas. Mr. R. M. Harper.
atrocinctus Fernald.
 Southbridge. Mr. R. M. Harper.
Eriophorum L. Cotton Grass.
callitrix Cham. Hare's Tail.
 Worcester. Mr. George Coult.
opacum (Björnstr.) Fernald.
 South Ashburnham.
gracile Roth. In bogs, not rare.
tenellum Nutt.
 Sturbridge. Mr. R. M. Harper.
viridi-carinatum (Engelm.) Fernald.
 In low meadows and swamps.
virginicum L. In low meadows and swamps, common.

Hemicarpha Nees and Arn.**micrantha** (Vahl) Pax.

Brookfield. Mr. R. M. Harper.

Rhynchospora Vahl. Beak Rush.**alba** (L.) Vahl. In the southeastern part of the county.

Mr. R. M. Harper.

glomerata (L.) Vahl. Low moist grounds, not rare.**Cladium** P. Br. Twig Rush.**mariscoides** (Muhl.) Torr.

Mr. R. M. Harper.

In the southeastern part of the county.

Carex (Ruppius) L. Sedge.**scoparia** Schkuhr. In low grounds usually, common.**tribuloides**.

Southbridge. Mr. R. M. Harper.

cristata Schwein.

Worcester. Mr. T. E. N. Eaton.

albolutescens Schwein.

Southbridge. Mr. R. M. Harper.

mirabilis Dewey.

Princeton. W. W. B. and J. F. C.

straminea Willd. In dry fields, common.**Bicknellii** Britton.See *Rhodora*, 1902, p. 328.**alata** Torr. In marshes and wet woods.**foenea** Willd.

Southbridge. Mr. R. M. Harper.

stellulata Good.

Princeton. W. W. B. and J. F. C.

stellulata, var. **cephalantha** (Bailey) Fernald.

With the preceding, rare.

- canescens* L. In swamps, common.
- bromoides* Schkuhr. In swampy woods.
- Deweyana* Schwein.
Worcester. Mr. T. E. N. Eaton.
- trisperma* Dewey. In swamps.
- tenella* Schkuhr.
Southbridge. Mr. R. M. Harper.
- rosea* Schkuhr. In rich woods, common.
- rosea*, var. *radiata* Dewey.
Princeton. W. W. B. and J. F. C.
- muricata* L.
Princeton. W. W. B. and J. F. C.
- Muhlenbergii* Schkuhr. In open sterile soil.
- cephalophora* Muhl. In dry fields, not rare.
- sparganioides* Muhl. In meadows.
- cephaloidea* Dewey. In rich woods and thickets.
- vulpinoidea* Michx. In low meadows.
- diandra* Schrank.
Worcester. Mr. T. E. N. Eaton.
- stipata* Muhl. Roadsides and swales, common.
- crinita* Lam. In swamps, common.
- torta* Boott.
Southbridge. Mr. R. M. Harper.
- stricta* Lam. In bogs, common.
- stricta*, var. *angustata* (Boott) Bailey.
Southbridge. Mr. R. M. Harper.
- leptalea* Wahlenb. In swamps.
- polygama* Schkuhr.
Southbridge. Mr. R. M. Harper.
- triceps* Michx., var. *hirsuta* (Willd.) Bailey.
In woods and meadows, common.
- virescens*, Muhl.
Princeton. W. W. B. and J. F. C.

- gracillima* Schwein. In woods, common.
Willdenowii Schkuhr.
 Worcester. Mr. T. E. N. Eaton.
- umbellata* Schkuhr. In low meadows, not rare.
communis Bailey. In dry woods.
 Southbridge. Mr. R. M. Harper.
- varia* Muhl. In dry woods.
pennsylvanica Lam. In dry soil, common.
pubescens Muhl. In copses and moist meadows.
 Prof. G. E. Stone.
- tetanica* Schkuhr.
 In wet meadows and in bogs, common.
- pallescens* L. In glades and meadows, common.
prasina Wahlenb. In meadows and bogs, not common.
pedunculata Muhl.
 Southbridge. Mr. R. M. Harper.
- plantaginea* Lam.
 Southbridge. Mr. L. E. Ammidown.
- platyphylla* Carey. With the preceding.
laxiculmis Schwein.
 Southbridge. Mr. R. M. Harper.
- digitalis* Willd. In dry woods.
 Prof. G. E. Stone.
- laxiflora* Lam. In woods and meadows, common.
laxiflora, var. *latifolia* Boott.
 Princeton. W. W. B. and J. F. C.
- conoidea* Schkuhr. In meadows.
grisea Wahlenb. In moist meadows.
flava L.
 Worcester. Mr. T. E. N. Eaton.
- longirostris* Torr.
 Princeton. W. W. B. and J. F. C.

- arctata* Boott. In woods and copses.
arctata, var. *Rudgei* Bailey. In moist places.
scabrata Schwein.
 Southbridge. Mr. R. M. Harper.
filiformis L.
 Worcester. Mr. T. E. N. Eaton.
lanuginosa Michx. With the preceding.
vestita Willd. In sandy meadows, common.
trichocarpa Muhl.
 Worcester. Mr. T. E. N. Eaton.
riparia W. Curtis. In swamps, common.
Pseudo-Cyperus L.
 Fitchburg. Mr. T. E. N. Eaton.
comosa Boott. In swamps, not common.
lurida Wahlenb. In swamps and wet meadows.
lupulina Muhl. In wet places, not rare.
intumescens Rudge. In wet places, common.
folliculata L. In wet places, common.
vesicaria L., var. *monile* (Tuckerm.) Fernald.
 In low meadows, common.
rostrata Stokes, var. *utriculata* (Boott) Bailey.
 Southbridge. Mr. R. M. Harper.
bullata Schkuhr. In swamps, not common.

ARACEÆ (ARUM FAMILY).

- Arisæma* Martius. Indian Turnip.
triphillum (L.) Schott. Jack-in-the-Pulpit.
 Common, especially along the margin of woods.
Peltandra Raf. Arrow Arum.
virginica (L.) Kunth. In shallow water, not common.

- Calla** L. Water Arum.
palustris L. In swamps, not rare.
- Symplocarpus** Salisb. Skunk Cabbage.
fetidus (L.) Nutt.
 In swamps and wet places, common.
- Orontium** L. Golden Club.
aquaticum L.
 Dudley; Princeton.
- Acorus** L. Sweet Flag.
Calamus L. In swamps and low grounds, not rare.

LEMNACEÆ (DUCKWEED FAMILY).

- Spirodela** Schleid.
polyrhiza (L.) Schleid. In pools and ponds, common.
- Lemna** L. Duckweed.
trisulca L. In shallow waters.
 Prof. G. E. Stone.
- minor* L. In stagnant waters, common.

ERIOCAULACEÆ (PIPEWORT FAMILY).

- Eriocaulon** (Gronov.) L. Pipewort.
septangulare With. In ponds and on their shores.

This is *Eriocaulon septangulare* of Withering, the plant referred to in the following extract from the "American Journal of Science and Arts," p. 290, vol. 28, 1859.

"We are pleased to learn the curious fact that a humble yet peculiar North American plant, which has somehow found its way to the Irish and North British shores, may be said to have fixed the destiny of the great Botanist (Robert Brown, called by Humboldt 'Botanicorum

facile princeps'). Upon the completion of his medical studies, Brown, as is well known, was attached as ensign and assistant-surgeon to a Scotch militia regiment stationed upon the western coast of Ireland.

"An inconspicuous plant with which he here became acquainted — the *Eriocaulon septangulare* — the only European representative of an especially American order — caused his life to be diverted into the exclusive service of Botany; for, accompanying a recruiting party of his regiment to London, in the summer of 1798, and on the road visiting his friend Dr. Withering at Edgbarton, near Birmingham, the latter caused him to introduce himself with that plant and his researches upon it to Dr. Dryander. This learned botanist, librarian to Sir Joseph Banks, astonished at the minuteness of the investigation and the fulness of the conclusions derived therefrom, recommended the young military surgeon as a future master in Botany; and Sir Joseph Banks from this time forward showed him a paternal kindness, and in December, 1800, proposed him to the Government as Naturalist to the Naval Exploring Expedition to New Holland under Captain Flinders, then fitting out. Robert Brown, at this call, gave up at once the military career and on the 19th of July, 1801, sailed in the *Investigator* from Spithead to the newly discovered quarter of the globe."

XYRIDACEÆ (YELLOW-EYED GRASS FAMILY).

- | | |
|---------------------------|---------------------------------|
| Xyris (Gronov.) L. | Yellow-eyed Grass. |
| montana Ries. | In bogs, not rare. |
| flexuosa Muhl. | In bogs and wet places, common. |

COMMELINACEÆ (SPIDERWORT FAMILY).

- | | |
|-----------------------------|--------------------------------|
| Commelina (Plum.) L. | Day-flower. |
| communis L. | In neglected yards, Worcester. |

PONTEDERIACEÆ (PICKEREL-WEED FAMILY).

Pontederia L. Pickerel-weed.

cordata L.

Margins of shallow ponds and streams, common.

JUNCACEÆ (RUSH FAMILY).

Juncus (Tourn.) L. Rush.

bufonius L.

Southbridge. Mr. R. M. Harper.

tenuis Willd. Very common in fields and roadsides.

Greenei Oakes and Tuckerm.

Brookfield. Mr. R. M. Harper.

effusus L. Common Rush.

Very common in moist ground.

brevicaudatus (Engelm.) Fernald.

Princeton. W. W. B. and J. F. C.

canadensis J. Gay. Marshy places, common.

pelocarpus Mey.

Westminster. Miss M. B. White.

militaris Bigel. In bogs and streams, Uxbridge.

acuminatus Michx. Common.

marginatus Rostk. In moist sandy places.

Luzula DC. Wood Rush.

saltuensis Fernald.

Mount Wachusett.

parviflora [Ehrh.] Desv.

Mount Wachusett.

campestris (L.) DC., var. **multiflora** (Ehrh.) Čelak.

In woodlands, common.



ERYTHRONIUM AMERICANUM Ker.

LILIACEÆ (LILY FAMILY).

- Veratrum** (Tourn.) L. False Hellebore.
viride Ait. Indian Poke.
 In swamps and low grounds, common.
- Uvularia** L. Bellwort.
perfoliata L. In woods and thickets, common.
- Oakesia** Wats.
sessilifolia (L.) Wats. With the preceding.
- Allium** (Tourn.) L. Onion, Garlic.
triccoccum Ait. Wild Leek.
 Worcester.
- Schoenoprasum** L., var. *sibiricum* (L.) Hartm.
 Boylston. Berlin, Miss Isabelle C. Shattuck.
canadense. Wild Garlic.
 In moist meadows, not rare.
- Hemerocallis** L. Day Lily.
fulva L. Common Day Lily.
 Templeton. Mr. P. Blodgett.
- Lilium** (Tourn.) L. Lily.
philadelphicum L. Wild Orange-red Lily.
 In dry woods and thickets, common.
- superbum* L. Turk's-cap Lily.
 Southbridge. Mr. L. E. Ammidown.
canadense L. Wild Yellow Lily.
 In swamps and meadows.
- tigrinum* Ker. Tiger Lily.
 Escaped from cultivation. Roadsides.
- Erythronium** L. Dog's-tooth Violet.
americanum Ker. Yellow Adder's-tongue.
 Rich moist grounds, common.

- Ornithogalum** (Tourn.) L. Star of Bethlehem.
umbellatum L. Escaped from cultivation.
- Asparagus** (Tourn.) L. Asparagus.
officinalis L.* Garden Asparagus.
 Escaped from cultivation.
- Clintonia** Raf.
borealis (Ait.) Raf.
 In moist woods and thickets, common.
- Smilacina** Desf. False Solomon's Seal.
racemosa (L.) Desf. False Spikenard.
 In moist copses, common.
trifolia (L.) Desf.
 In swamps, rare in the southern part of the county.
- Maianthemum** [Weber in] Wiggers.
canadense Desf.
 Very common in moist woods and grassy places.
- Streptopus** Michx. Twisted-stalk.
amplexifolius (L.) DC. In rich woods.
 Mrs. Ella L. Horr.
roseus Michx. In moist woods, not common.
- Polygonatum** (Tourn.) Hill. Solomon's Seal.
biflorum (Walt.) Ell. Small Solomon's Seal.
 In woods and copses, common.
commutatum (R. and S.) Dietr. Great Solomon's Seal.
 Leicester. Mr. George Coult.
- Medeola** (Gronov.) L. Indian Cucumber-root.
virginiana L. In woods and copses, common.
- Trillium** L. Wake Robin. Birthroot.
erectum L. In woods, common.
grandiflorum (Michx.) Salisb.
 Barre. Miss Sara Lane. Rare.



TRILLIUM UNDULATUM Willd.

cernuum L. In rich woods and moist lands, common.
undulatum Willd. Painted Trillium.

In rich woods, common.

This is "the Trinity Flower" in Mrs. Ewing's story of that name in her "Dandelion Clocks and Other Tales."

"And what was the Trinity Flower like, my Father?" asked the boy.

"It was about the size of Herb Paris, my son," replied the hermit. "But instead of being fourfold every way, it numbered the mystic Three. Every part was threefold. The leaves were three, the petals three, the sepals three. The flower was snow-white, but on each of the three parts it was stained with crimson stripes, like white garments dyed in blood."

Aletris L. Colic-root.

farinosa L. In grassy places, not common.

Smilax (Tourn.) L. Green Brier.

herbacea L. Carrion-flower. Common by roadsides.

rotundifolia L. Common Green Brier.

Common in thickets.

AMARYLLIDACEÆ (AMARYLLIS FAMILY).

Hypoxis L. Star Grass.

hirsuta (L.) Coville. In meadows, common.

IRIDACEÆ (IRIS FAMILY).

Iris (Tourn.) L. Fleur-de-lis.

versicolor L. Larger Blue Flag.

In marshes and wet meadows, common.

Sisyrinchium L. Blue-eyed Grass.

angustifolium Mill. In fields and meadows, common.

gramineum Curtis. In moist grassy places.

Spencer. H. H. Kingsbury.

ORCHIDACEÆ (ORCHIS FAMILY).

- Cypripedium** L. Lady's Slipper.
parviflorum Salisb. Smaller Yellow Lady's Slipper.
 In woods, not common.
parviflorum, var. **pubescens** (Willd.) Knight.
 In woods, local and rather rare.
hirsutum Mill. Showy Lady's Slipper.
 Ashburnham. Prof. Vose. Rare.
acaule Ait. Stemless Lady's Slipper. In woods, common.
- Orchis** (Tourn.) L.
spectabilis L. Showy Orchis. In woods, occasional.
- Habenaria** Willd. Fringed Orchis.
bracteata (Willd.) R. Br.
 Mount Wachusett.
flava (L.) Gray. In grassy places, not common.
clavellata (Michx.) Spreng.
 Worcester. Mr. George Coult.
obtusata (Pursh) Richards.
 Mount Wachusett. Mr. Pratt.
Hookeri Torr. In rich woods, not rare.
orbiculata (Pursh) Torr. In rich woods, scarce.
ciliaris (L.) R. Br. Yellow Fringed Orchis.
 Northborough, Dr. Bigelow; Uxbridge, Miss Gold-
 thwaite. A rare species in this county.
blephariglottis (Willd.) Torr. White Fringed Orchis.
 Princeton. *Veni, vidi.*
lacera (Michx.) R. Br. Ragged Fringed Orchis.
 In swamps and on grassy roadsides.
leucophæa (Nutt.) Gray. Very rare and local.
psycodes (L.) Sw. In meadows and swamps, common.
fimbriata (Ait.) R. Br. In rich woods and meadows.



POGONIA VERTICILLATA (Willd.) Nutt.

Pogonia Juss.**ophioglossoides** (L.) Ker.

In moist meadows and in swamps, common.

verticillata (Willd.) Nutt. In moist woods, not rare.**Calopogon** R. Br.**pulchellus** (Sw.) R. Br.

In wet meadows and in swamps, common.

Arethusa (Gronov.) L.**bulbosa** L.

In moist meadows and in swamps.

Spiranthes Richard. Ladies' Tresses.**Beckii** Lindl.

Winchendon. Mr. A. S. Allen.

gracilis (Bigel.) Beck. In dry fields, common.**lucida** (H. H. Eaton) Ames.

In moist places, somewhat rare.

cernua (L.) Richard. In moist meadows, common.**Epipactis** (Haller) Boehm. Rattlesnake Plantain.**repens** (L.) Crantz, var. **ophioides** (Fernald) A. A. Eaton.

In rich woods, not rare.

pubescens (Willd.) A. A. Eaton. With the preceding.**Corallorhiza** (Haller) R. Br. Coral Root.**trifida** Chatelain. In swampy woodlands, not common.**maculata** Raf. In dry woods.**odontorhiza** Nutt.

Southbridge, Mr. L. E. Ammidown.

Microstylis (Nutt.) Eaton. Adder's Mouth.**monophyllos** (L.) Lindl.

Spencer. H. H. Kingsbury.

unifolia (Michx.) BSP.

Sutton.

- Liparis** Richard. Twayblade.
hiliifolia (L.) Richard. In rich woods, not common.
Loeselii (L.) Richard.
 Spencer. Miss A. E. Tucker.

SALICACEÆ (WILLOW FAMILY).

- Salix** (Tourn.) L. Willow.
nigra Marsh. Black Willow.
 Along streams and ponds.
lucida Muhl. Shining Willow.
 Along roadsides in wet places.
fragilis L. Crack Willow.
 Worcester. Mr. T. E. N. Eaton.
alba L. White Willow. In moist soil, scarce.
alba, var. *vitellina* (L.) Koch.
 Southbridge. Mr. L. E. Ammidown.
cordata Muhl.
 Worcester. Mr. T. E. N. Eaton.
pedicellaris Pursh.
 Leicester.
discolor Muhl. Glaucoous Willow. Common.
humilis Marsh. Prairie Willow. Not common.
tristis Ait. Dwarf Gray Willow.
 Uxbridge. Dr. Thomas Morong.
sericea Marsh. Silky Willow. Common.
rostrata Richards.
 Princeton. W. W. B. and J. F. C.
- Populus** (Tourn.) L. Poplar. Aspen.
tremuloides Michx. American Aspen.
 In rich woods, common.

- grandidentata* Michx. Large-toothed Aspen.
 With the preceding.
candicans Ait. Balm of Gilead.
 Escaped from cultivation.
deltoides Marsh. Cottonwood Poplar.
 Millbury, probably transplanted.

MYRICACEÆ (SWEET GALE FAMILY).

Myrica L.

- Gale* L. Sweet Gale.
 In swamps and along ponds, common.
carolinensis Mill. Bayberry. In dry soil, common.
asplenifolia L. Sweet Fern. In dry soil, very common.

JUGLANDACEÆ (WALNUT FAMILY).

- Juglans* L. Walnut.
cinerea L. Butternut. In rich woods, common.
Carya Nutt. Hickory.
ovata (Mill.) K. Koch. Shag-bark Hickory.
 In woods and pastures.
glabra (Mill.) Spach. Pignut.
 In woods and pastures, common.
cordiformis (Wang.) K. Koch. Bitter Nut.
 In woods and swamps. Millbury.

BETULACEÆ (BIRCH FAMILY).

- Corylus* (Tourn.) L. Hazelnut.
americana Walt. Hazelnut.
 In thickets and by roadsides.
rostrata Ait. Beaked Hazel. With the preceding.

- Ostrya** (Mich.) Scop. Hop Hornbeam.
virginiana (Mill.) K. Koch. American Hop Hornbeam.
 In rich dry woods.
- Carpinus** (Tourn.) L. Hornbeam. Ironwood.
caroliniana Walt. American Hornbeam.
 In rich woods, common.
- Betula** (Tourn.) L. Birch.
lenta L. Black Birch. In rich woods, common.
lutea Michx. f. Yellow Birch.
 In moist woods and swamps.
nigra L. Red Birch.
 Fitchburg. Mr. E. A. Hartwell.
populifolia Marsh. Gray Birch.
 In moist or dry soil, very common.
alba L., var. *papyrifera* (Marsh) Spach. Paper Birch.
 In rich woods, common northward.
- Alnus** (Tourn.) Hill. Alder.
incana (L.) Moench. Speckled Alder.
 In wet soil, common.
rugosa (DuRoi) Spreng. Smooth Alder.
 In wet soil, not as common as the preceding.

FAGACEÆ (BEECH FAMILY).

- Fagus** (Tourn.) L. Beech.
grandifolia Ehrh. American Beech.
 In rich woods, common.
- Castanea** (Tourn.) Hill. Chestnut.
dentata (Marsh.) Borkh. Chestnut.
 In rich soil, very common.

- Quercus** (Tourn.) L. Oak.
alba L. White Oak. Common.
bicolor Willd. Swamp White Oak.
 In rich woods, not rare.
prinoides Willd. In dry soil.
Prinus L. Chestnut Oak. In dry soil, common.
rubra L. Red Oak. Common.
palustris Muench. Pin Oak.
 In the southern part of the county.
coccinea Muench. Scarlet Oak. Common.
velutina Lam. Black Oak. Common.
ilicifolia Wang. Scrub Oak. Common, in sandy soil.

URTICACEÆ (NETTLE FAMILY).

- Ulmus** (Tourn.) L. Elm.
fulva Michx. Slippery Elm. In rich woods, not rare.
americana L. American Elm.
 In rich woods, common.
Celtis (Tourn.) L. Hackberry.
occidentalis L. Sugarberry. Rare.
Cannabis (Tourn.) L. Hemp.
sativa L. In waste places, Worcester.
Humulus L. Hop.
Lupulus L. Common Hop.
 In thickets and along river-banks.
Morus (Tourn.) L. Mulberry.
alba L. White Mulberry.
 Sparingly escaped from cultivation, Millbury.
Urtica (Tourn.) L. Nettle.
gracilis Ait. In waste places, common.
dioica L. Stinging Nettle. In waste places.

- Laportea** Gaud. Wood Nettle.
canadensis (L.) Gaud. In rich woods.
- Pilea** Lindl. Richweed.
pumila (L.) Gray. In waste, shady places, common.
- Boehmeria** Jacq. False Nettle.
cylindrica (L.) Sw. In moist soil, common.

SANTALACEÆ (SANDALWOOD FAMILY).

- Comandra** Nutt. Bastard Toad-flax.
umbellata (L.) Nutt. In dry fields and woods.

ARISTOLOCHIACEÆ (BIRTHWORT FAMILY).

- Asarum** (Tourn.) L. Wild Ginger.
canadense L. In rich woods, Worcester; Millbury.

POLYGONACEÆ (BUCKWHEAT FAMILY).

- Rumex** L. Dock Sorrel.
- Patientia** L. Patience Dock.
 Templeton. Mr. P. Blodgett.
- Britannica** L. Great Water Dock.
 Templeton. Mr. P. Blodgett.
- crispus** L. Yellow Dock. Common.
- verticillatus** L. Swamp Dock.
 Southbridge. Mr. R. M. Harper.
- conglomeratus** Murr. In moist places.
- obtusifolius** L. Bitter Dock.
 Worcester. Mr. T. E. N. Eaton.
- Acetosella** L. Field Sorrel. Common.

- Polygonum** (Tourn.) L. Knotweed.
aviculare L. Common, in waste places.
erectum L. Common, by waysides.
tenue, Michx.
 Worcester. Mr. T. E. N. Eaton.
lapathifolium L.
 Templeton. Mr. P. Blodgett.
amphibium L.
 North Worcester.
Muhlenbergii (Meisn.) Wats.
 North Worcester.
pennsylvanicum L.
 Royalston. Mr. T. E. N. Eaton.
Careyi Olney.
 Southbridge. Mr. R. N. Harper.
hydropiper L. Common Smartweed.
 In moist waste places, common.
acre HBK. Water Smartweed.
 In wet places, common.
orientale L. Prince's Feather. Escaped from gardens.
Persicaria L. Lady's Thumb.
 In waste places, Prof. G. E. Stone.
virginicum L. In thickets.
arifolium L. Halberd-leaved Tear-thumb.
 In low ground.
sagittatum L. Arrow-leaved Tear-thumb.
 In low grounds, common.
Convolvulus L. Black Bindweed.
 Worcester. Mr. T. E. N. Eaton.
cilinode Michx. In rocky places.
scandens L. Climbing False Buckwheat.
 Gardner. Mr. T. E. N. Eaton.

- Fagopyrum** (Tourn.) Hill. Buckwheat.
esculentum Moench. Buckwheat.
 Escaped from cultivation.
- Polygonella** Michx.
articulata (L.) Meisn.
 Mendon; Gardner.

CHENOPODIACEÆ (GOOSEFOOT FAMILY).

- Chenopodium** (Tourn.) L. Goosefoot.
Botrys L. Jerusalem Oak.
 Lunenberg. Mr. Kilburn.
capitatum (L.) Asch. Strawberry Blite.
 Templeton. Mr. P. Blodgett.
hybridum L. Maple-leaved Goosefoot.
 In waste places
- album** L. Pigweed.
album, var. **viride** (L.) Moq.
 In waste places, both common.

AMARANTHACEÆ (AMARANTH FAMILY).

- Amaranthus** (Tourn.) L. Amaranth.
retroflexus L. Pigweed.
 In cultivated grounds, common.
- hybridus** L. Pigweed.
 Fitchburg. Mr. T. E. N. Eaton.
- græcizans** L. Tumble Weed.
 In waste grounds.
- spinosus** L. Thorny Amaranth:
crispus (Lesp. and Thev.) A. Br.

PHYTOLACCACEÆ (POKEWEED FAMILY).

- Phytolacca* (Tourn.) L. Pokeweed.
decandra L. Pigeon Berry.
 Common in various situations.

ILLECEBRACEÆ (KNOTWEED FAMILY).

- Scleranthus* L. Knawel.
annuus L.
 Worcester. Mr. John Coulson.
Anychia Michx. Forked Chickweed.
canadensis (L.) BSP. In open grounds.

AIZOACEÆ.

- Mollugo* L. Indian Chickweed.
verticillata L. Carpet Weed.
 In waste grounds, very common.

CARYOPHYLLACEÆ (PINK FAMILY).

- Spergularia* J. and C. Presl. Sand Spurrey.
rubra (L.) J. and C. Presl. Sand Spurrey.
 By roadsides, in dry soil.
Spergula L. Spurrey.
arvensis L. Corn Spurrey. In fields and waste places.
Sagina L. Pearlwort.
procumbens L. In moist pastures.
Arenaria L. Sandwort.
lateriflora L. In moist places, not rare.
serpyllifolia L. Thyme-leaved Sandwort.
 Southbridge. Mr. R. M. Harper. In dry places.
groenlandica (Retz) Spreng. Mountain Sandwort.
 Ashburnham. Prof. J. E. Vose.

- Stellaria L.** Chickweed.
borealis Bigel. In woody places; Auburn.
longifolia Muhl. In low meadows, common.
graminea L.
 Dudley. Mr. R. M. Harper. *
media L. Common Chickweed.
 In waste places, common.
- Cerastium L.** Mouse-ear Chickweed.
arvense L. Field Mouse-ear. In dry places.
vulgatum L. Common Mouse-ear.
 In waste places, common.
viscosum L. In grassy places.
- Agrostemma L.** Corn Cockle.
Githago L. In waste places.
- Lychnis (Tourn.) L.** Campion.
Coronaria (L.) Desr. Mullein Pink.
 Templeton. Mr. P. Blodgett.
Flos-cuculi L. Ragged Robin.
 In waste places, occasional.
chalconica L. Scarlet Lychnis.
 Templeton. Mr. P. Blodgett.
dioica L. Red Campion.
 Templeton. Mr. P. Blodgett.
alba Mill. White Campion.
 In waste places, not common.
- Silene L.** Catchfly.
antirrhina L. Sleepy Catchfly.
 In waste places, not common.
Armeria L. Sweet William Catchfly.
 Templeton. Mr. P. Blodgett.

noctiflora L. Night-flowering Catchfly.

Sutton. Dr. George C. Webber.

pennsylvanica Michx. Wild Pink.

In dry soil, not common.

latifolia (Mill.) Britten and Rendle. Bladder Campion.

In meadows and waste places.

Saponaria L.

officinalis L. Soapwort.

By roadsides and in waste places.

Gypsophila L.

muralis L.

Templeton. Mr. P. Blodgett.

Dianthus L. Pink.

deltoides L. Maiden Pink. In waste places, rare.

barbatus L. Sweet William.

Escaped from cultivation.

Armeria L. Deptford Pink.

In dry pastures, not common.

PORTULACACEÆ (PURSLANE FAMILY).

Claytonia (Gronov.) L. Spring Beauty.

caroliniana Michx. In damp woods, not uncommon.

“That year (1827), in the course of the winter, I picked up and read the article ‘Botany’ in Brewster’s ‘Edinburgh Encyclopedia,’ a poor thing, no doubt, but it interested me much. I bought Eaton’s ‘Manual of Botany,’ pored over its pages, and waited for spring. In the spring, I think that of 1828, I sallied forth one April day into the bare woods, found an early specimen of a plant in flower, peeping through dead leaves, brought it home, and with Eaton’s ‘Manual’ without much difficulty I ran it down to its name, Claytonia

virginica." (It was really *C. caroliniana*, but the two were not distinguished in that book). — See "Letters of Asa Gray," vol. I, p. 13.

Portulacca (Tourn.) L. Purslane.
oleracea L. Common Purslane.

In fields and cultivated grounds, common.

This is the "pusley" of Charles Dudley Warner's *My Summer in a Garden*. "I am satisfied that it is useless to try to cultivate 'pusley.' I set a little of it one side, and gave it some extra care. It did not thrive as well as that which I was fighting. The fact is, there is a spirit of moral perversity in the plant which makes it grow the more, the more it is interfered with. I am satisfied of that. I doubt if any one has raised more 'pusley' this year than I have; and my warfare with it has been continual. Neither of us has slept much."

CERATOPHYLLACEÆ (HORNWORT FAMILY).

Ceratophyllum L. Hornwort.

demersum L. In ponds.

Prof. G. E. Stone.

NYMPHÆACEÆ (WATER LILY FAMILY).

Nymphæa (Tourn.) L. Yellow Pond Lily.

advena Ait. Cow Lily.

In ponds and slow streams, common.

microphylla Pers.

Southbridge. Mr. L. E. Ammidown.

Castalia Salisb. Water Lily.

odorata (Ait.) Woodville and Wood. Sweet-scented Water Lily.

In ponds and slow streams, common.

Brasenia Schreb. Water Shield.

Schreberi Gmel. In ponds and slow streams.

RANUNCULACEÆ (CROWFOOT FAMILY).

- Ranunculus** (Tourn.) L. Crowfoot. Buttercup.
aquatilis L., var. **capillaceus** DC. White Water Crow-
 foot. In ponds and streams.
delphinifolius Torr. Yellow Water Crowfoot.
 In ponds and quiet waters.
Flammula L., var. **reptans** (L.) Mey. Creeping Spear-
 wort.
 Lancaster. Rev. F. L. Palmer.
abortivus L. Small-flowered Crowfoot.
 In woods and moist grounds, common.
recurvatus Poir. Hooked Crowfoot.
 In woods, common.
fascicularis Muhl. Early Crowfoot.
 In woods and copses.
septentrionalis Poir. Swamp Crowfoot.
 Worcester.
repens L. Creeping Buttercup.
 See *Rhodora*, vol. II, October, 1900.
pennsylvanicus L. f. Bristly Buttercup.
 Barre. Miss Sara Lane.
bulbosus L. Bulbous Buttercup.
 In fields and on roadsides, common.
acris L. Tall Buttercup.
 With the preceding, very common.
Thalictrum (Tourn.) L. Meadow Rue.
dioicum L. Early Meadow Rue.
 In woods and copses, common.
revolutum DC. In woods and copses.
polygamum Muhl. Tall Meadow Rue.
 In open wet meadows, very common.

Anemonella Spach.

thalictroides (L.) Spach. Rue Anemone.
In woods and copses.

Hepatica (Rupp.) Hill. Liverleaf. Hepatica.
triloba Chaix. In rocky woods and copses.

Anemone (Tourn.) L. Anemone.
cylindrica Gray.
In open places, especially by roadsides.
virginiana L. In woods and copses.
quinquefolia L. Wood Anemone.
Along the margin of woodlands, common.

“Thou lookest up with meek, confiding eye,
Upon the clouded smile of April's face,
Unharm'd, though Winter stands uncertain by,
Eying with jealous glance each opening grace.”
JONES VERY'S POEMS, p. 91: *The Windflower*.

Clematis L. Virgin's Bower.
virginiana L. Along roadsides, fences, etc., common.
verticillaris DC. In rocky woods.
Brookfield; Warren.

This is the “*Atragene Americana*” of the following quotation from O. W. Holmes's “Elsie Venner,” Chapters VII and XII.

“‘Here, I brought this for you.’ The doctor started as she handed him a flower of *Atragene Americana*, for he knew that there was only one spot where it grew, and that not one where any rash foot, least of all a thin-shod woman's foot, should venture.

“In the morning he [Bernard Langdon, the schoolmaster] happened to be a little late in entering the school-room. There was something between the leaves of the Virgil which lay upon his desk. He opened it and saw a freshly gathered mountain flower. He looked at Elsie, instinctively, involuntarily. She had another such flower on her breast.”



CLEMATIS VERTICILLARIS DC.

- Caltha** (Rupp.) L. Marsh Marigold.
palustris L. Incorrectly called *Cowslips*.
 In swamps and wet meadows.

"And the wild marsh-marigold shines like fire in swamps and hollows gray."

TENNYSON: *The May Queen*.

- Coptis** Salisb. Goldthread.
trifolia (L.) Salisb. In damp mossy woods.
Aquilegia (Tourn.) L. Columbine.
canadensis L. Wild Columbine.
 In rocky woods and copses, common.

"Great crowds of scarlet columbines

Made sunrise in the woods."

See Lucy Larcom's "Childhood Songs": *Farther On*.

Also, Jones Very's Poems, p. 93: *The Columbine*.

- Actæa** L. Baneberry.
rubra (Ait.) Willd. Red Baneberry.
 In woods and copses, not abundant.
alba (L.) Mill. White Baneberry.
 With the preceding.

MAGNOLIACEÆ (MAGNOLIA FAMILY).

- Liriodendron** L. Tulip Tree.
Tulipifera L. Rare.
 Prof. G. E. Stone.

BERBERIDACEÆ (BARBERRY FAMILY).

- Podophyllum** L. May Apple. Mandrake.
peltatum L. Rare.
 Boylston.

- Caulophyllum** Michx. Blue Cohosh.
thalictroides (L.) Michx. Pappoose Root.
 In rich woods.
- Berberis** (Tourn.) L. Barberry.
vulgaris L. Common Barberry. In pastures.

LAURACEÆ (LAUREL FAMILY).

- Sassafras** Nees.
variifolium (Salisb.) Ktze. In dry or sandy soil.
- “‘That’s saxifax,’ said her companion [Obed], striking his spade into the roots of a well-known shrub. ‘It’s good teu chaw; the settlers eats it — take it down and they’ll give ye ribbons and beads for it. Taste on’t,’ he said, ‘it’s good as nutcakes.’ Margaret loitered, wandered, attracted by the flowers she stopped to pick.”— JUDD’S *Margaret*, vol. I, p. 33.
- Benzoin** Fabric. Fever Bush.
æstivale (L.) Nees. Spice Bush. In moist grounds.

PAPAVERACEÆ (POPPY FAMILY).

- Sanguinaria** (Dill.) L. Bloodroot.
canadensis L. In rich woods and moist grounds.
- Chelidonium** (Tourn.) L. Celandine.
majus L. In waste places, common.
- Argemone** (Tourn.) L. Prickly Poppy.
mexicana L. Mexican Poppy. In waste places, rare.
 Worcester.

FUMARIACEÆ (FUMITORY FAMILY).

- Adlumia** Raf. Climbing Fumitory.
fungosa (Ait.) Greene. Rare.
 Templeton. Mr. P. Blodgett.

Dicentra Bernh.**Cucullaria** (L.) Bernh. Dutchman's Breeches.

Barre. Miss Sara Lane.

canadensis (Goldie) Walp. Squirrel Corn.

Barre; Winchendon.

Corydalis (Dill.) Medic.**sempervirens** (L.) Pers. Pale Corydalis.

In rocky places and in dry woods.

aurea Willd. Golden Corydalis.

Winchendon. Mr. F. R. Hathaway.

Fumaria (Tourn.) L. Fumitory.**officinalis** L. Common Fumitory.

In waste places, escaped.

CRUCIFERÆ (MUSTARD FAMILY).

Berteroa DC.**incana** (L.) DC.

Southbridge. Mr. R. M. Harper.

Alyssum (Tourn.) L.**alyssoides** L.

Occasional.

Thlaspi (Tourn.) L. Penny Cress.**arvense** L. Field Penny Cress. In waste places, rare.**Lepidium** (Tourn.) L. Peppergrass.**virginicum**. Wild Peppergrass.

In waste places and by roadsides, common.

ruderales L.

Worcester. Mr. John Coulson.

campestre (L.) R. Br.

Still River. Miss A. H. Tucker.

Draba L.

Worcester. Mr. N. P. Woodward.

- Capsella** Medic. Shepherd's Purse.
Bursa-pastoris (L.) Medic.
 In fields and waste places, very common.
- Camelina** Crantz. False Flax.
sativa (L.) Crantz. Occasional.
- Raphanus** (Tourn.) L. Radish.
Raphanistrum L. Wild Radish.
 Lunenburg. Mr. Kilburn.
sativus L. Radish. Occasionally spontaneous.
- Brassica** (Tourn.) L. Mustard.
arvensis (L.) Ktze. Charlock.
 Worcester. Mr. George Coult.
nigra (L.) Koch. Black Mustard.
 In waste places, common.
campestris L. Ruta-baga.
 Holden. Mr. Delano Douglass.
- Conringia** (Heist) Link. Hare's-ear Mustard.
orientalis (L.) Dumont.
 Worcester. Mrs. John Wetherbee.
- Sisymbrium** (Tourn.) L. Hedge Mustard.
officinale (L.) Scop.
 Worcester. Mr. T. E. N. Eaton.
altissimum L. Tumble Mustard.
 Worcester. Mr. George Coult.
- Erysimum** (Tourn.) L. Treacle Mustard.
cheiranthoides L. Worm-seed Mustard.
 Worcester. Mr. George Coult.
- Radicula** [Dill.] Hill. Water Cress.
Nasturtium-aquaticum (L.) Britten and Rendle.
 In brooks and streams, common.
palustris (L.) Moench. Marsh Cress.
 In wet places, common.

palustris (L.) Moench., var. *hispida* (Desv.) Robinson.
With the preceding.

Armoracia (L.) Robinson. Horseradish.
Escaped from gardens.

Barbarea R. Br. Winter Cress.
vulgaris R. Br. Common Winter Cress.
In fields and waste places.

Dentaria (Tourn.) L. Pepper-root.
diphylla Michx.
North Brookfield. Miss E. M. Reed.

Cardamine (Tourn.) L. Bitter Cress.
bulbosa (Schreb.) BSP. Spring Cress.
In wet meadows.
hirsuta L. In wet places.
parviflora L.

Mount Wachusett. W. W. B. and J: F. C.
pennsylvanica Muhl.
Templeton. Mr. P. Blodgett.

Arabis L. Rock Cress.
glabra (L.) Bernh. Tower Mustard.
Sutton; Worcester.
laevigata (Muhl.) Poir., var. *Burkii* Porter.
Boylston.
canadensis L. Sickle-pod.
Sutton.

CAPPARIDACEÆ (CAPER FAMILY).

Cleome L.
spinosa L. Spider-flower.
Worcester. Mr. George Coult. Waste ground.

RESEDACEÆ (MIGNONETTE FAMILY).

Reseda (Tourn.) L. Mignonette.

alba L.

Worcester. Mr. George Coult.

SARRACENIACEÆ (PITCHER-PLANT FAMILY).

Sarracenia (Tourn.) L.

purpurea L. Pitcher-plant.

In peat bogs and similar places, common.

“Several Frenchmen of a certain intellectual eminence made their abode in Canada from time to time. Sarrazin, a naturalist as well as a physician, has left his name to the botanical genus *Sarracenia*, of which the curious American species, *S. purpurea*, the ‘pitcher-plant,’ was described by him. His position in the colony was singular and characteristic. He got little or no pay from his patients; and, though at one time the only genuine physician in Canada, he was dependent on the king for support. In 1699, we find him thanking his Majesty for 300 francs a year, and asking at the same time for more, as he had nothing else to live on. He died at Quebec in 1734.”
—See Parkman’s “The Old Regime in Canada,” Chapter XIX, note at end.

DROSERACEÆ (SUNDEW FAMILY).

Drosera L. Sundew.

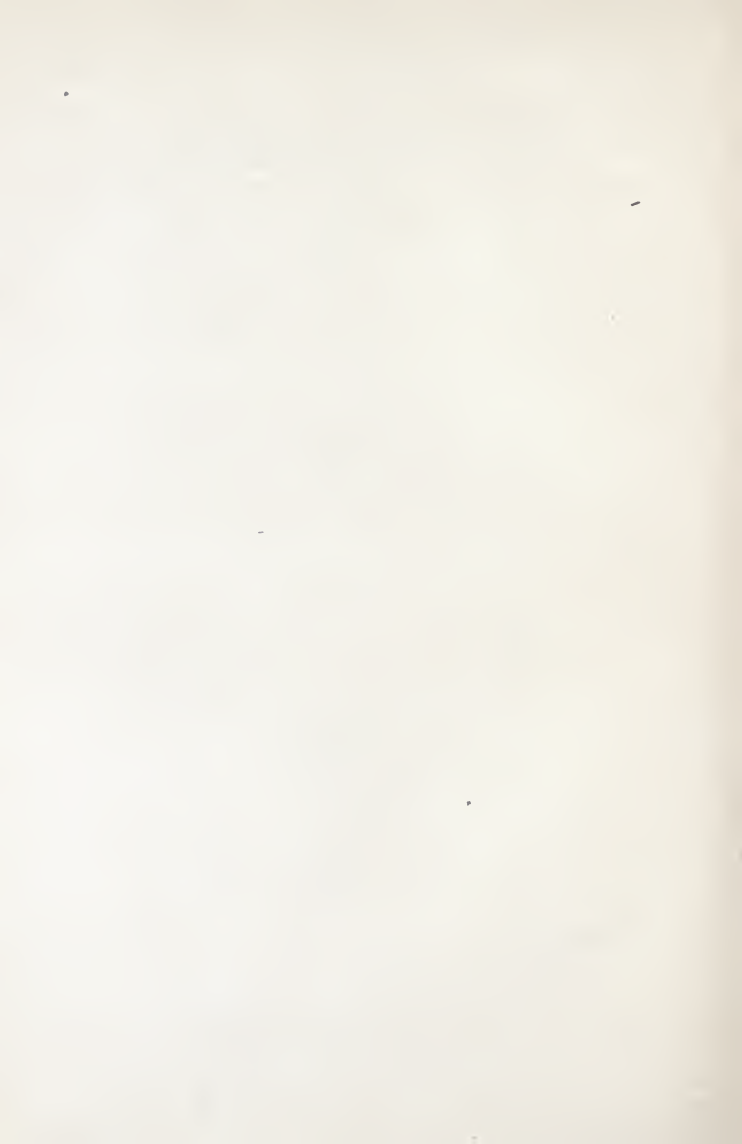
rotundifolia L. Round-leaved Sundew.

In bogs and in wet sand, common.

“During the summer of 1860, I was surprised by finding how large a number of insects were caught by the leaves of the common sundew (*Drosera rotundifolia*) on a heath in Sussex. I had heard that insects were thus caught, but knew nothing further on the subject. I gathered by chance a dozen plants, bearing fifty-six fully expanded leaves, and on thirty-one of these dead insects or remnants of them



SARRACENIA PURPUREA L.



adhered. On one plant all six leaves had caught their prey; and on several plants very many leaves had caught more than a single insect. On one large leaf I found the remains of thirteen distinct insects." — See Darwin's "Insectivorous Plants," pp. 1-277, for an account of this one species.

longifolia L. In bogs and in wet sand.

PODOSTEMACEÆ (RIVER WEED FAMILY).

Podostemum Michx. River Weed.

ceratophyllum Michx. In shallow waters.

CRASSULACEÆ (ORPINE FAMILY).

Penthorum (Gronov.) L. Ditch Stonecrop.

sedoides L. In ditches and swamps, common.

Sedum (Tourn.) L. Stonecrop.

acre L. Mossy Stonecrop. Escaped from cultivation.

ternatum Michx.

Worcester. Mr. T. E. N. Eaton.

purpureum Tausch. Live-for-ever.

Escaped from cultivation.

Sempervivum (Rupp.) L. Houseleek.

tectorum L. Hen-and-chickens.

Templeton. Mr. P. Blodgett.

SAXIFRAGACEÆ (SAXIFRAGE FAMILY).

Saxifraga (Tourn.) L. Saxifrage.

pennsylvanica L. Swamp Saxifrage.

In swampy places, common.

virginiensis Michx. Early Saxifrage.

In dry and rocky woodlands, common.

- Tiareella** L. False Mitrewort.
cordifolia L. Common in the northern part of the county.
- Mitella** (Tourn.) L. Mitrewort.
diphylla L. In rich woods, common.
- Chrysosplenium** (Tourn.) L. Golden Saxifrage.
americanum Schwein. In wet, shaded places.
- Parnassia** (Tourn.) L. Grass of Parnassus.
caroliniana Michx. In swamps and low meadows.
- Hydrangea** (Gronov.) L.
arborescens L. Wild Hydrangea.
 Barre. Miss Sara Lane.
- Ribes** L. Currant. Gooseberry.
Cynosbati L. Prickly Gooseberry. In rocky woods.
rotundifolium Michx. Princeton.
oxyacanthoides L. Smooth Gooseberry. In copses.
americanum Mill. Wild Black Currant.
 Tatnuck.
prostratum L'Her. Skunk Currant.
 Mount Wachusett.
vulgare Lam. Red Currant.
 Templeton; Winchendon.

HAMAMELIDACEÆ (WITCH-HAZEL FAMILY).

- Hamamelis** L. Witch-hazel.
virginiana L. In woods and copses, common.

PLATANACEÆ (PLANE TREE FAMILY).

- Platanus** (Tourn.) L. Sycamore. Buttonwood.
occidentalis L. In rich soil.

ROSACEÆ (ROSE FAMILY).

- Physocarpus** Maxim. Nine-bark.
opulifolius (L.) Maxim. Escaped.
 Worcester. Miss E. J. Seaver.
- Spiræa** (Tourn.) L.
latifolia (Ait.) Borkh. Meadow-sweet.
 In pastures and by roadsides, common.
tomentosa L. Hardhack. In low grounds, common.
- Pyrus** (Tourn.) L.
Malus L. Wild Apple.
 Escaped, on the margin of woods.
arbutifolia (L.) L. f. Chokeberry.
 In huckleberry pastures, common.
melanocarpa (Michx.) Willd.
 In swamps and wet woods.
americana (Marsh.) DC. American Mountain Ash.
 Mount Wachusett.
Aucuparia (L.) Ehrh. European Mountain Ash.
 Spontaneous at Henshaw Pond, Leicester.
- Amelanchier** Medic. Juneberry.
canadensis (L.) Medic. Shadbush.
 In dry woodlands, common.
- Cratægus** L. Hawthorn.
punctata Jacq.
 Worcester.
coccinea L. In rocky woods.
rotundifolia Moench
pruinosa (Wendl.) K. Koch.
 See *Rhodora*, 1903, p. 54.
pruinosa, var. *conjuncta* (Sarg.) Eggleston.
 See *Rhodora*, 1903, p. 58.

- Holmesiana** Ashe.
See *Botanical Gazette*, January, 1901.
- mollis** (T. and G.) Scheele.
Fitchburg.
- macracantha** Lodd. In thickets.
- Fragaria** (Tourn.) L. Strawberry.
virginiana Duchesne.
In fields and rich woodlands, common.
- vesca**, L. var. **americana** Porter. In open rocky woods.
- Waldsteinia** Willd.
fragarioides (Michx.) Trattinick. Barren Strawberry.
Winchendon. Mr. F. R. Hathaway.
- Potentilla** L. Cinquefoil.
monspeliensis L.
In pastures and open grounds, common.
- argentea** L. Silvery Cinquefoil. In dry soil, common.
- recta** L.
Southbridge. Mr. R. M. Harper.
- palustris** (L.) Scop. Marsh Five-finger. Rare.
- fruticosa** L. Shrubby Cinquefoil.
In the eastern part of the county.
- tridentata** Ait. Three-toothed Cinquefoil.
Mount Wachusett.
- pumila** Poir. Worcester. In dry soil, very common.
- canadensis** L. Common.
- canadensis** L. var. **simplex** [Michx] T. and G.
Worcester. Common.
- Geum** L. Avens.
canadense Jacq. Along the edge of woods.
- virginianum** L. With the preceding.
- strictum** Ait. In moist meadows.
- rivale** L. Purple Avens. In moist meadows, common.

Rubus (Tourn.) L.

idaeus L., var. *aculeatissimus* (C. A. Mey.) Regel and
Tiling. In thickets and by roadsides, common.

occidentalis L. Black Raspberry. With the preceding.

odoratus L. Purple Flowering Raspberry.

In rocky woods and by roadsides, northward.

triflorus Richards. Dwarf Raspberry.

In swamps and wet woods.

canadensis L.

In sandy soil, common.

setosus Bigel.

Peat Meadow, Worcester; Mr. George Coult.

hispidus L.

In swamps and low grounds.

villosus Ait.

Dewberry.

In thickets.

Dalibarda Kalm.

repens L.

In the northern part of the county.

Agrimonia (Tourn.) L.

Agrimony.

gryposepala, Wallr.

In thickets and by fences, common.

Sanguisorba (Rupp.) L.

Burnet.

canadensis L.

Canadian Burnet.

In low meadows.

Brookfield.

Rosa (Tourn.) L.

Rose.

cinnamomea L.

Cinnamon Rose.

Established, Templeton, Mr. P. Blodgett.

rubiginosa L.

Sweetbrier.

Rocky pastures etc., common.

gallica L.

Established, Templeton, Mr. P. Blodgett.

nitida Willd.

In borders of swamps.

carolina L.

In borders of swamps.

virginiana Mill.

In borders of swamps and rocky shores.

humilis, Marsh.

In dry or rocky soil.

- Prunus** (Tourn.) L. Cherry. Plum.
serotina Ehrh. Wild Black Cherry.
 Along roadsides and fences, common.
virginiana L. Choke Cherry.
 With the preceding. Common.
pennsylvanica L. f. Wild Red Cherry.
 In rocky woods, common.
pumila L. Sand Cherry.
 Winchendon. Mr. A. S. Allen.

LEGUMINOSÆ (PULSE FAMILY).

- Cassia** (Tourn.) L. Senna.
marilandica L. Wild Senna. Occasional.
chamæcrista L. Partridge Pea.
 In the southern part of the county.
nictitans L. Wild Sensitive Plant.
 With the preceding.
Baptisia Vent. False Indigo.
tinctoria (L.) R. Br. Wild Indigo.
 In dry soil common.
Crotalaria (Dill.) L. Rattle-box.
sagittalis L. In sandy soil.
 Tatnuck.
Genista L. Woad-waxen.
tinctoria L. Dyer's Greenweed. Rare.
Lupinus (Tourn.) L. Lupine.
perennis L. Wild Lupine. In dry and sandy soil.
Trifolium (Tourn.) L. Clover.
arvense L. Rabbit-foot clover.
 In fields and waste places, common.

- incarnatum** L. Crimson Clover. Occasional.
pratense L. Red Clover.
 In meadows and grassy places, common.
repens L. White Clover.
 In grassy places, common.
hybridum L. Alsike Clover.
 Worcester.
agrarium L. Yellow Clover.
 Along roadsides and in waste places.
procumbens L. Low Hop Clover.
 With the preceding.
- Melilotus** (Tourn.) Hill. Sweet Clover.
officinalis (L.) Lam. Yellow Melilot. In waste places.
alba Desr. White Melilot. In waste places, common.
- Medicago** (Tourn.) L. Medick.
sativa L. Alfalfa.
 Occasional in fields and waste places.
lupulina L. Black Medick.
 In fields and waste places.
arabica (L.) Huds. Spotted Medick. In waste places.
hispida Gaertn. Bur Clover.
 In waste places, common.
- Anthyllis** (Rivinius) L.
vulneraria L. Kidney Vetch.
 Found on Bell Hill, North Brookfield, close to a newly
 made road around the reservoir. It is a common
 plant throughout Europe, but has appeared only
 recently in America.
- Lotus** (Tourn.) L. Bird's-foot Trefoil.
corniculatus L.
 Worcester. Mons. J. Perrott.

- Tephrosia** Pers. Hoary Pea.
virginiana (L.) Pers. Goat's Rue. Not common.
 Millbury.
- Robinia** L. Locust.
Pseudo-acacia L. Common Locust. Naturalized.
viscosa Vent. Clammy Locust.
 Escaped from cultivation.
- Coronilla** (Tourn.) L.
varia L. Rare.
- Desmodium** Desv. Tick Trefoil.
nudiflorum (L.) DC. In dry woods, common.
grandiflorum (Walt.) DC. In dry woods.
rotundifolium (Michx.) DC. In dry woods, common.
canescens (L.) DC. In dry soil.
Dillenii Darl.
 Templeton. Mr. P. Blodgett.
paniculatum (L.) DC. In dry soil.
canadense (L.) DC. In open woods and along roadsides.
rigidum (Ell.) DC. In dry soil.
- Lespedeza** Michx. Bush Clover.
procumbens Michx. In dry soil.
violacea (L.) Pers. In dry soil.
Stuevei Nutt. In copses, etc.
frutescens (L.) Britton.
 Templeton. Mr. P. Blodgett.
hirta (L.) Hornem. In dry soil.
capitata Michx. With the preceding.
- Vicia** (Tourn.) L. Vetch.
sativa L. Spring Vetch. In fields and waste places.
hirsuta (L.) S. F. Gray.
 Barre. Miss Sara Lane.
Cracca L. In grassy places.

- Lathyrus** (Tourn.) L. Vetchling.
ochroleucus Hook.
 Barre. Miss Sara Lane.
- Apios** (Boerh.) Ludwig. Groundnut.
tuberosa Moench. In low grounds, common.
- Phaseolus** (Tourn.) L. Kidney Bean.
polystachyus (L.) BSP. Wild Bean.
 In thickets, not common.
- Amphicarpa** Ell. Hog Peanut.
monoica (L.) Ell. In copses, common.

LINACEÆ (FLAX FAMILY).

- Linum** (Tourn.) L. Flax.
usitatissimum L. Common Flax.
 Occasionally spontaneous.
- virginianum* L.
 Southbridge. Mr. R. M. Harper.

OXALIDACEÆ (WOOD SORREL FAMILY).

- Oxalis** L. Wood Sorrel.
- Acetosella* L. Common Wood Sorrel.
 In the northern part of the county.
- violacea* L. Violet Wood Sorrel. With the preceding.
- stricta* L. In woods and fields, common.

GERANIACEÆ (GERANIUM FAMILY).

- Geranium** (Tourn.) L. Cranesbill.
maculatum L. Wild Cranesbill.
 In grassy places, common.
- Robertianum** L. Herb Robert.
 Mount Wachusett and Worcester.

- carolinianum* L. In cultivated grounds.
Bicknellii Britton.
 Templeton. Mr. P. Blodgett.
pusillum Burm. f. In waste places, rare.
Erodium L'Her. Storksbill.
cicutarium (L.) L'Her. Occasional, in waste places.

RUTACEÆ (RUE FAMILY).

- Zanthoxylum* L. Prickly Ash.
americanum Mill. Northern Prickly Ash.
 Millbury.
Ptelea L. Shrubby Trefoil.
trifoliata L.
 A tree of this species was found growing by a road-
 side in Berlin, in a situation which suggested
 growth from a seed dropped by a bird.

POLYGALACEÆ (MILKWORT FAMILY).

- Polygala* (Tourn.) L. Milkwort.
paucifolia Willd. Fringed Polygala.
 In rich woods, common.
polygama Walt.
 Auburn.
sanguinea L. In sandy and moist ground.
Nuttallii T. and G. In dry sandy soil.
verticillata L. In dry soil.

EUPHORBIACEÆ (SPURGE FAMILY).

- Acalypha* L. Three-seeded Mercury.
virginica L. In fields and open places.

- Euphorbia** L. Spurge.
Preslii Guss.
 Millbury.
maculata L. Milk Purslane. In dry soil, common.
corollata L. Flowering Spurge.
 Southbridge. Mr. L. E. Ammidown.
Esula L.
 Worcester. Miss K. I. Fish. Rare.
Cyparissias L. Cypress Spurge. Escaped; common.
Peplus L. Petty Spurge. In waste ground.
 Worcester. Mr. George Coult.

CALLITRICHACEÆ (WATER STARWORT
 FAMILY).

- Callitriche** L. Water Starwort.
palustris L. In brooks, common.
heterophylla Pursh.
 Near Mount Wachusett. W. W. B. and J. F. C.

ANACARDIACEÆ (CASHEW FAMILY).

- Rhus** L. Sumach.
typhina L. Staghorn Sumach.
 In dry or rocky soil, common.
glabra L. Smooth Sumach. In dry soil, common.
copallina L. Dwarf Sumach. With the preceding.
Vernix L. Poison Dogwood.
 In swamps and low grounds.
Toxicodendron L. Poison Ivy.
 In thickets and along walls and fences.

AQUIFOLIACEÆ (HOLLY FAMILY).

- Ilex** L. Holly.
verticillata (L.) Gray. Black Alder.
 In low grounds, common.
lævigata (Pursh) Gray. Smooth Winterberry.
 In low wet grounds.
- Nemopanthus** Raf. Mountain Holly.
mucronata (L.) Trel.
 In moist rich woods, common.

CELASTRACEÆ ((STAFF TREE FAMILY).

- Celastrus** L. Staff Tree.
scandens L. Climbing Bitter-sweet.
 In rich soil, common.

ACERACEÆ (MAPLE FAMILY).

- Acer** (Tourn.) L. Maple.
pennsylvanicum L. Striped Maple.
 In rocky woods, common northward.
spicatum Lam. Mountain Maple.
 Princeton and northward.
saccharum Marsh. Sugar Maple.
 In rich woods, common.
saccharinum L. White Maple.
 Along streams, mainly.
rubrum L. Red Maple.
 In swamps and low grounds, common.

BALSAMINACEÆ (TOUCH-ME-NOT FAMILY).

- Impatiens** (Rivinius) L. Balsam.
pallida Nutt. Pale Touch-me-not.
 In moist shady places.
biflora Walt. Spotted Touch-me-not.
 In moist grounds, common.

RHAMNACEÆ (BUCKTHORN FAMILY).

- Rhamnus** (Tourn.) L. Buckthorn.
cathartica L. Common Buckthorn.
 Naturalized occasionally.
Ceanothus L. Red-root.
americanus L. New Jersey Tea.
 In open woodlands, common.

VITACEÆ (VINE FAMILY).

- Psedera** Neck. Virginia Creeper.
quinquefolia Greene. In dry open woods, common.
Vitis (Tourn.) L. Grape.
labrusca L. Northern Fox Grape.
 In thickets, common.
æstivalis Michx. Summer Grape. In thickets.
cordifolia Michx. Frost Grape. In thickets.
vulpina L. River-bank Grape. Along river-banks.
 Mr. G. B. Emerson.

TILIACEÆ (LINDEN FAMILY).

- Tilia** (Tourn.) L. Basswood.
americana L. Basswood. In rich woods, common.

MALVACEÆ (MALLOW FAMILY).

- Abutilon** (Tourn.) Mill. Indian Mallow.
Theophrasti Medic. Velvet Leaf.
 Southbridge. Mr. L. E. Ammidown.
- Malva** (Tourn.) L. Mallow.
rotundifolia L. Common Mallow.
 In waste places, common.
verticillata L. In waste places, not common.
sylvestris L. High Mallow.
 Along roadsides, occasional.
moschata L. Musk Mallow. Sparingly escaped.
- Hibiscus** L. Rose Mallow.
Trionum L. Flower-of-an-hour.
 Southbridge. Mr. L. E. Ammidown.

HYPERICACEÆ (ST. JOHN'S-WORT FAMILY).

- Hypericum** (Tourn.) L. St. John's-wort.
perforatum L. Common St. John's-wort.
 In fields and waste places, common.
punctatum Lam. In damp places, common.
ellipticum Hook. In wet places, common.
mutilum L. In low grounds, common.
majus (Gray) Britton. In low grounds, common.
gentianoides (L.) BSP. Pinweed. In sandy soil.
virginicum L. Marsh St. John's-wort.
 In swampy grounds, common.

ELATINACEÆ (WATERWORT FAMILY).

- Elatine** L. Waterwort.
americana (Pursh) Arn.
 Brookfield. Mr. R. M. Harper.

CISTACEÆ (ROCKROSE FAMILY).

- Helianthemum** (Tourn.) Mill. Rockrose.
canadense (L. ?) Michx. Frostweed.
 In dry soil, common.
- Lechea** (Kalm) L. Pinweed.
villosa Ell.
 Templeton. Mr. V. P. Parkhurst.
minor L. In dry soil and sterile ground.
tenuifolia Michx. In dry soil.

VIOLACEÆ (VIOLET FAMILY).

- Viola** (Tourn.) L. Violet.
pedata L., var. **lineariloba** DC. Bird-foot Violet.
 In sandy soil in open sunny places.
cucullata Ait. In wet grounds, common.
papilionacea Pursh.
 Worcester. Mrs. Ella L. Horr.
palmata L. Worcester.
sororia Willd.
 Worcester. Mrs. Ella L. Horr.
fimbriatula Sm.
 Worcester. Mrs. Ella L. Horr.
sagittata Ait. In fields and meadows.
lanceolata L. Lance-leaved Violet.
 In moist grounds, common.
primulifolia L. Primrose-leaved Violet.
 In moist grounds, not common.
pallens (Banks) Brainerd. Sweet White Violet.
 In swamps and wet meadows, common.
blanda Willd.
 Auburn. Miss Hazel Maynard.

rotundifolia Michx. Early Yellow Violet.

In cold woods and on rocky hillsides.

This is the violet of the following:

“When beechen buds begin to swell
And woods the blue-bird’s warble know,
The yellow violet’s modest bell
Peeps from the last year’s leaves below.”

See WILLIAM CULLEN BRYANT’S Poems: *The Yellow Violet*.

pubescens Ait. Downy Yellow Violet.

In dry woods, common.

scabriuscula Schwein. Smooth Yellow Violet.

Worcester. Mrs. John Wetherbee.

conspersa Reichenb.

In moist soil, common.

rostrata Pursh. Long-spurred Violet.

Fitchburg.

tricolor L. Pansy.

Occasionally escaped.

THYMELÆACEÆ (MEZEREUM FAMILY).

Dirca L. Leatherwood.

palustris L. Wicopy.

In damp rich thickets.

Daphne L. Mezereum.

Mezereum L.

Escaped from cultivation.

Southbridge. Mr. L. E. Ammidown.

LYTHRACEÆ (LOOSESTRIFE FAMILY).

Decodon J. F. Gmel. Swamp Loosestrife.

verticillatus (L.) Ell. Water Willow.

In swamps.

Lake Quinsigamond.

Lythrum L. Loosestrife.

alatum Pursh.

Templeton. Mr. P. Blodgett.

Salicaria L. Swamp Loosestrife.

In swamps. Abundant at North Oxford.

"The Loosestrife, *Lythrum Salicaria*, which here waves its purple plumes, is an English plant whose introduction into the valley of the Hudson is a curious chapter in the story of plant distribution. Thirty years ago (about 1870) suddenly, like the lighting of some brilliant tropical bird, appeared on the banks of the Walkill a new plant whose vivid color and graceful habit were at once remarked." — See FLINT'S "A Garden of Simples," p. 101.

MELASTOMACEÆ (MELASTOMA FAMILY).

Rhexia L. Meadow Beauty.

virginica L.

In sandy swamps.

Sutton.

ONAGRACEÆ (EVENING PRIMROSE FAMILY).

Ludvigia L. False Loosestrife.

alternifolia L. Seedbox.

In swamps.

palustris (L.) Ell. Water Purslane.

In muddy ditches and swamps.

Epilobium (Dill.) L. Willow-herb.

angustifolium L. Great Willow-herb.

Common in clearings.

molle Torr.

In swampy places.

densum Raf.

In swamps.

coloratum Muhl.

In low grounds, common.

adenocaulon Haussk.

In damp soil.

Oenothera L. Evening Primrose.

cruciata Nutt.

Berlin. Miss I. C. Shattuck.

- biennis** L. Common Evening Primrose.
 In dry soil, common.
- pumila** L. In dry fields, common.
- fruticosa** L. Sundrops. In dry soil.
- Gaura** L.
biennis L.
 Southbridge. Mr. L. E. Ammidown.
- Circæa** (Tourn.) L. Enchanter's Nightshade.
lutetiana L. In woods, common.
alpina L. In cold moist woods.

HALORAGIDACEÆ (WATER MILFOIL FAMILY).

- Myriophyllum** (Vaill.) L. Water Milfoil.
spicatum L. In ponds.
verticillatum L. In ponds, common.
humile (Raf.) Morong.
 Lake Quinsigamond, Worcester.
tenellum Bigel. With the preceding.
 See the *Flora of Lake Quinsigamond* in the Annual Report
 of the Worcester Natural History Society, Prof. G. E. Stone.
- Proserpinaca** L. Mermaid-weed.
palustris L. In swamps.

ARALIACEÆ (GINSENG FAMILY).

- Aralia** (Tourn.) L.
racemosa L. Spikenard. In rich woods, common.
hispida Vent. Bristly Sarsaparilla.
 In rocky or sandy woods, common.
nudicaulis L. Wild Sarsaparilla.
 In rich woods, common.

- Panax** L. Ginseng.
quinquefolium. Ginseng. In rich woods, not common.
trifolium L. Dwarf Ginseng. In moist grounds, common.

UMBELLIFERÆ (PARSLEY FAMILY).

- Sanicula** (Tourn.) L. Sanicle.
marilandica L. In rich woods.
canadensis L. In dry woods.
- Hydrocotyle** (Tourn.) L. Water Pennywort.
americana L. In wet places, common.
- Osmorhiza** Raf. Sweet Cicely.
Claytoni (Michx.) Clarke.
 Worcester. Mr. T. E. N. Eaton.
longistylis (Torr.) DC. With the preceding.
- Conium** L. Poison Hemlock.
maculatum L. In waste places.
- Cicuta** L. Water Hemlock.
maculata L. Musquash Root.
 In swamps and low grounds, common.
bulbifera L.
 Worcester. Mr. H. H. Kingsbury.
- Carum** (Rupp.) L. Caraway.
Carvi L. Caraway.
 By roadsides and in waste places.
- Sium** (Tourn.) L. Water Parsnip.
cicutæfolium Schrank. In wet places.

- Cryptotænia** DC. Honewort.
canadensis (L.) DC.
 Worcester; Southbridge.
- Zizia** Koch.
aurea (L.) Koch. Golden Alexanders.
 In meadows and swamps, common.
- Pastinaca** L. Parsnip.
sativa L. By roadsides and in waste places.
- Heracleum** L. Cow Parsnip.
lanatum Michx. In moist grounds, common.
- Angelica** L. Angelica.
atropurpurea L. In swamps and moist grounds.
- Daucus** (Tourn.) L. Carrot.
Carota L. In fields and waste places, common.

CORNACEÆ (DOGWOOD FAMILY).

- Cornus** (Tourn.) L. Cornel. Dogwood.
canadensis L. Bunchberry. In low woods.
florida L. Flowering Dogwood.
 In woods and copses, common.
- circinata* L'Her. Round-leaved Cornel.
 In woods and copses.
- Amomum** Mill. Silky Cornel.
 On roadsides and along streams.
- stolonifera* Michx. Red-osier Dogwood. In moist soil.
paniculata L'Her. In rich soil, common.
alternifolia L. f. In woods and by roadsides, common.
- Nyssa** L. Tupelo.
sylvatica Marsh. In rich soil.





LEDUM GRÆNLANDICUM Oeder.

ERICACEÆ (HEATH FAMILY).

- Clethra** (Gronov.) L. White Alder.
alnifolia L. Sweet Pepperbush.
 In swamps and wet woods, common.
- Chimaphila** Pursh. Pipsissewa.
umbellata (L.) Nutt. Prince's Pine.
 In dry woods, common.
maculata (L.) Pursh. Spotted Wintergreen.
 In dry woods.
- Moneses** Salisb. One-flowered Pyrola.
uniflora (L.) Gray. In rich woods, common northward.
- Pyrola** (Tourn.) L. Wintergreen.
secunda L. In woods and copses.
chlorantha Sw. In dry woods.
elliptica Nutt. Shin Leaf. In rich, dry woods.
americana Sweet. In dry woods, common.
- Monotropa** L. Indian Pipe.
uniflora L. Indian Pipe. In moist, rich woods.
Hypopitys L. Pinesap. In dry woods.
- Ledum** (Rupp.) L. Labrador Tea.
grœnlandicum Oeder.
 In bogs and swamps, common northward.
- Rhododendron** L.
viscosum (L.) Torr. White Swamp Honeysuckle.
 In swamps, common.
viscosum, var. *glaucum* (Michx.) Gray.
 Princeton. W. W. B. and J. F. C.
nudiflorum (L.) Torr. Purple Azalea.
 In woods and thickets, common.

canescens (Michx.) G. Don.

See *Rhodora*, 1901, p. 196.

canadense (L.) BSP. *Rhodora*.

In bogs and wet pastures, common.

“In May, when sea-winds pierced our solitudes,
I found the fresh *Rhodora* in the woods,
Spreading its leafless blooms in a damp nook;
To please the desert and the sluggish brook.”

See R. W. EMERSON'S POEMS: *The Rhodora*.

maximum L. Great Laurel.

Auburn; Hubbardston.

Kalmia L. Laurel.

latifolia L. Mountain Laurel.

In woods and pastures, common.

angustifolia L. Sheep Laurel.

In moist soil and pastures, common.

polifolia Wang. Pale Laurel.

In swamps, common northward.

Leucothoe D. Don. Fetter Bush.

racemosa (L.) Gray.

In rich soil, swamps and pastures.

Andromeda L.

glaucophylla Link. Bog Rosemary.

Westborough.

The maid *Andromeda*, divinely fair,

Forever lives in poesy; a group

Of stars in northern skies keeps bright her fame;

This little flower each spring recalls her name.

Lyonia Nutt.

ligustrina (L.) DC. Male Berry.

In swamps and wet soil, common.



LEUCOTHOË RACEMOSA (L.) Gray.



ANDROMEDA GLAUCOPHYLLA Link.

- Chamædaphne** Moench. Leather Leaf.
calyculata (L.) Moench. In swamps.
- Epigæa** L. Trailing Arbutus.
repens L. Mayflower.
 In pine woods and dry pastures, common.
- Gaultheria** (Kalm) L. Aromatic Wintergreen.
procumbens L. Checkerberry.
 In woods and pastures, common.
- Arctostaphylos** Adans. Bearberry.
Uva-ursi (L.) Spreng. Bearberry. In dry soil.
- Chiogenes** Salisb. Creeping Snowberry.
hispidula (L.) T. and G. In swamps northward.
 Auburn.
- Gaylussacia** HBK. Huckleberry.
dumosa (Andr.) T. and G. Dwarf Huckleberry.
 Northborough. Mr. Arba Pierce. In swamps.
frondosa (L.) T. and G. Dangleberry.
 In copses, common.
baccata (Wang.) K. Koch. Black Huckleberry.
 In rocky woodlands and pastures, common.
- Vaccinium** L. Blueberry. Cranberry.
stamineum L. Deerberry.
 Berlin. Miss I. C. Shattuck.
pennsylvanicum Lam. Early Blueberry.
 In dry soil, common.
pennsylvanicum, var. *nigrum*, Wood. Low Black Blue-
 berry.
 Templeton. Mr. P. Blodgett.
canadense Kalm. Sour-top Blueberry.
 In moist soil, common northward.
vacillans Kalm. Late Low Blueberry.
 In dry soil, common.

- corymbosum* L. High Blueberry.
In swamps and pastures, common.
- atrococcum* (Gray) Heller. Black High Blueberry.
In swamps and pastures.
- cæspitosum* Michx. Dwarf Bilberry.
Ashburnham. Mr. C. H. Knowlton.
- Vitis-Idæa* L., var. *minus* Lodd. Mountain Cranberry.
Templeton. Mr. P. Blodgett.
- Oxycoccus* L. Small Cranberry. In cold bogs.
Millbury.
- macrocarpon* Ait. Large Cranberry.
In bogs and wet places, common.

PRIMULACEÆ (PRIMROSE FAMILY).

- Lysimachia* (Tourn.) L. Loosestrife.
vulgaris L.
Bolton. Miss J. M. Nichols.
- quadrifolia* L. In thickets, very common.
- terrestris* (L.) BSP.
In swamps and wet places, very common.
- Nummularia* L. In moist soil, escaped.
- thyrsiflora* L. Tufted Loosestrife.
Northborough. Mr. Arba Pierce.
- Steironema* Raf.
ciliatum (L.) Raf. In moist thickets, common.
lanceolatum (Walt.) Gray. In moist soil.
- Trientalis* (Rupp.) L. Chickweed Wintergreen.
americana (Pers.) Pursh. Star Flower.
In rich woods, common.

“The instinct of classifying marks the wise and healthy mind. Linnæus projects his system, and lays out his twenty-four classes of plants, before yet he has found in Nature a single plant to justify

certain of his classes. His seventh class has not one. In process of time, he finds with delight the little white *Trientalis*, the only plant with seven petals and sometimes seven stamens, which constitutes a seventh class in conformity with his system." — EMERSON'S *Society and Solitude*, "Old Age."

Anagallis (Tourn.) L. Pimpernel.

arvensis L. Common Pimpernel. In waste grounds.
Southbridge.

OLEACEÆ (OLIVE FAMILY).

Fraxinus (Tourn.) L. Ash.

americana L. White Ash. In rich woods, common.

nigra Marsh. Black Ash. In swamps and wet woods.
Millbury.

GENTIANACEÆ (GENTIAN FAMILY).

Gentiana (Tourn.) L. Gentian.

crinita Froel. Fringed Gentian.

In low meadows and pastures.

"Thou blossom bright with autumn dew,
And colored with the heaven's own blue,
That openest when the quiet light
Succeeds the keen and frosty night.

Thou comest not when violets lean
O'er wandering brooks and springs unseen,
Or columbines, in purple dressed,
Nod o'er the ground-bird's hidden nest."

W. C. BRYANT'S POEMS: *To the Fringed Gentian*.

Andrewsii Griseb. Closed Gentian.

In moist soil, common.

linearis Froel.

Princeton and northward.

Bartonia Muhl.

virginica (L.) BSP.

Southbridge; Worcester.

Menyanthes (Tourn.) L. Buckbean.

trifoliata L.

In bogs and shallow water.

Nymphoides (Tourn.) Hill. Floating Heart.

lacunosum (Vent.) Fernald.

Lake Quinsigamond. Gardner.

APOCYNACEÆ (DOGBANE FAMILY).

Vinca L. Periwinkle.

minor L. Myrtle.

Templeton. Mr. P. Blodgett.

Apocynum (Tourn.) L. Dogbane. Indian Hemp.

androsæmifolium L. Spreading Dogbane.

In fields and by roadsides.

cannabinum L. Indian Hemp.

In sandy soil.

cannabinum, var. *hypericifolium* (Ait.) Gray.

Brookfield; Southbridge. Mr. R. M. Harper.

ASCLEPIADACEÆ (MILKWEED FAMILY).

Asclepias (Tourn.) L. Milkweed.

tuberosa L. Butterfly-weed.

In dry fields, not common.

purpurascens, L. Purple Milkweed.

Along roadsides and in dry fields.

incarnata, L. Swamp Milkweed. In swamps, common.

incarnata, var. *pulchra* (Ehrh.) Pers. With the last.

syriaca L. Common Milkweed. In rich soil, common.

- amplexicaulis* Sm. Along roadsides and in dry fields.
phytolaccoides Pursh. Poke Milkweed. In copses.
quadrifolia Jacq. In woods and copses, not common.
Acerates Ell. Green Milkweed.
viridiflora Ell. In the western part of the county.

CONVOLVULACEÆ (CONVOLVULUS FAMILY).

- Convolvulus* [Tourn.] L. Bindweed.
spithamæus L. In dry soil.
sepium L. Hedge Bindweed. In fields and along fences.
arvensis L. Field Bindweed. In fields and waste places.
Cuscuta (Tourn.) L. Dodder.
Gronovii Willd. On herbs and low shrubs, common.

POLEMONIACEÆ (POLEMONIUM FAMILY).

- Phlox* L.
paniculata L.
 Templeton. Mr. P. Blodgett.
subulata L. Moss Pink.
 Templeton. Mr. P. Blodgett.
Polemonium (Tourn.) L. Greek Valerian.
reptans L.
 Found by Miss G. Hakes, escaped.

BORAGINACEÆ (BORAGE FAMILY).

- Cynoglossum* (Tourn.) L. Hound's Tongue.
officinale L. Common Hound's Tongue.
 In waste grounds, not common.
virginianum L. Wild Comfrey.
 In woods, Millbury; Princeton.

- Lappula** (Rivinius) Moench. Stickseed.
virginiana (L.) Greene. Beggar's Lice.
 In dry woods and thickets.
- Symphytum** (Tourn.) L. Comfrey.
officinale L. Common Comfrey. Occasionally escaped.
- Lycopsis** L. Bugloss.
arvensis L. Small Bugloss.
- Myosotis** (Rupp.) L. Forget-me-not.
scorpioides L. True Forget-me-not.
 Worcester. Escaped.
- laxa** Lehm. In wet, muddy places.
arvensis (L.) Hill.
 Templeton. Mr. P. Blodgett.
- Lithospermum** (Tourn.) L. Gromwell.
arvense L. Corn Gromwell. Occasional.
officinale L. Common Gromwell.
 In fields and waste places. Miss E. J. Seaver.
- Echium** (Tourn.) L. Viper's Bugloss.
vulgare L. Blue-weed. In fields and waste places.

VERBENACEÆ (VERVAIN FAMILY).

- Verbena** (Tourn.) L. Vervain.
urticæfolia L. White Vervain.
 In fields and waste places.
- hastata** L. Blue Vervain.
 In moist fields and meadows.

LABIATÆ (MINT FAMILY).

- Ajuga** L. Bugle Weed.
reptans L.
 Peat meadow, Worcester. Miss A. H. Tucker.

- Trichostema** L. Blue Curls.
dichotomum L. Bastard Pennyroyal. In dry soil.
- Scutellaria** (Rivinius) L. Skullcap.
lateriflora L. Mad-dog Skullcap. In wet places.
galericulata L. In swamps and along streams.
- Nepeta** (Rivinius) L. Cat Mint.
Cataria L. Catnip. In waste places, common.
hederacea (L.) Trevisan. Gill-over-the-Ground.
 In waste places.
- Prunella** L. Self-heal.
vulgaris L. Heal-all.
 In fields, woods, and waste places.
- Physostegia** Benth. False Dragon Head.
virginiana (L.) Benth. Charlton, escaped.
- Galeopsis** L. Hemp Nettle.
Tetrahit L. Common Hemp Nettle.
 In waste places.
- Lamium** (Tourn.) L. Dead Nettle.
amplexicaulis L. Henbit. In waste grounds.
 Miss. A. H. Tucker.
purpureum L. In waste grounds, rare.
maculatum L. Escaped.
 Mr. R. C. Manning.
- Leonurus** L. Motherwort.
Cardiaca L. Common Motherwort.
 In waste places, common.
- Stachys** (Tourn.) L. Hedge Nettle.
palustris L. Woundwort. In wet grounds.
 Tatnuck. Mr. Kinney.

- Monarda** L. Horse Mint.
fistulosa L. Wild Bergamot.
 Phillipston. Mrs. W. F. Perry.
- Hedeoma** Pers. Mock Pennyroyal.
pulegioides (L.) Pers. American Pennyroyal.
 In dry fields, common.
- Melissa** (Tourn.) L. Balm.
officinalis L. Common Balm.
 Prof. G. E. Stone. Escaped.
- Satureja** (Tourn.) L. Savory.
vulgaris (L.) Fritsch. Basil.
 Millbury.
- Pycnanthemum** Michx. Mountain Mint.
flexuosum (Walt.) BSP. In fields and copses.
 Prof. G. E. Stone.
virginianum (L.) Durand and Jackson.
 Spencer. Mr. J. C. Lyford.
muticum (Michx.) Pers.
 Mount Wachusett. Mrs. G. B. Stearns.
- Thymus** (Tourn.) L. Thyme.
Serpyllum L. Creeping Thyme.
 Worcester; Templeton. Mr. P. Blodgett.
- Lycopus** (Tourn.) L. Water Horehound.
virginicus L. Bugle Weed. In low grounds.
sessilifolius Gray.
 Millbury.
americanus Muhl. In low grounds.
- Mentha** (Tourn.) L. Mint.
spicata L. Spearmint. In moist grounds.
piperita L. Peppermint. In moist grounds.
aquatica L. Water Mint. In wet places.

- arvensis** L. Field Mint.
 Southbridge. Mr. L. E. Ammidown.
arvensis, var. **canadensis** (L.) Briquet. In moist places.
Collinsonia L. Horse Balm.
canadensis L. Rich-weed. In rich woods.

SOLANACEÆ (NIGHTSHADE FAMILY).

- Solanum** (Tourn.) L. Nightshade.
Dulcamara L. Bittersweet. In waste places, common.
nigrum L. Common Nightshade. In waste places.
rostratum Dunal. Buffalo Bur.
 Templeton. Mr. P. Blodgett.
Physalis L. Ground Cherry.
virginiana Mill. In rich soil in waste places, Millbury.
Nicandra Adans. Apple of Peru.
physaloides (L.) Pers.
 In waste grounds, escaped.

Prof. G. E. Stone.

- Lycium** L. Matrimony Vine.
halimifolium Mill. Common Matrimony Vine.
 Templeton. Mr. P. Blodgett.
Datura L. Jamestown Weed.
Stramonium (L.) Stramonium.
 In fields and waste places, common.
Tatula (L.) Purple Thorn Apple. With the last.

SCROPHULARIACEÆ (FIGWORT FAMILY).

- Verbascum** (Tourn.) L. Mullein.
Thapsus L. Common Mullein.
 In dry fields and waste places.

- Blattaria** L. Moth Mullein.
With the last, but not as common.
- Linaria** (Tourn.) Hill. Toadflax.
vulgaris Hill. Butter and Eggs.
In fields and waste places, common.
canadensis (L.) Dumont. In dry soil, common.
- Cymbalaria** (L.) Mill. Coliseum Ivy.
Templeton. Mr. P. Blodgett.
- Scrophularia** (Tourn.) L. Figwort.
marilandica L.
Brookfield. Mr. E. B. Hale.
leporella Bicknell.
Worcester. Mr. W. K. Harrod.
- Penstemon** (Mitchell) Ait. Beard-tongue.
hirsutus (L.) Willd.
Worcester. Miss E. F. Brown.
- Chelone** (Tourn.) L. Snake-head.
glabra L. Balmony. In wet grounds, common.
- Mimulus** L. Monkey Flower.
ringens L. In wet grounds, common.
- Lysanthes** Raf. False Pimpernel.
dubia (L.) Barnhart. In wet grounds, Millbury.
- Gratiola** (Rupp.) L. Hedge Hyssop.
virginiana L.
Lake Quinsigamond. Mr. T. E. N. Eaton.
aurea Muhl. In sandy, wet grounds.
- Veronica** (Tourn.) L. Speedwell.
Anagallis-aquatica L. Water Speedwell. In wet places.
scutellata L. Marsh Speedwell. In swamps, common.
officinalis L. Common Speedwell.
In dry fields, common.

- Chamædrys** L. Bird's-eye. In waste places.
 Prof. G. E. Stone.
- serpyllifolia** L. Thyme-leaved Speedwell.
 In grassy places, common.
- peregrina** L. Neckweed.
 Templeton. Mr. P. Blodgett.
- arvensis** L. Corn Speedwell. In fields, not common.
- agrestis** L. Field Speedwell.
 Southbridge. Mr. L. E. Ammidown.
- Gerardia** (Plumier) L. Gerardia.
- pedicularia** L. In dry woods and copses.
- flava** L. Downy False Foxglove. With the preceding.
- virginica** (L.) BSP. With the preceding.
- tenuifolia** Vahl. Slender Gerardia.
 Southbridge. Mr. R. M. Harper.
- Castilleja** Mutis. Painted Cup.
- coccinea** (L.) Spreng. Scarlet Painted Cup.
 In wet meadows, Grafton; Dudley.

"The fresh savannas of the Sangamon
 Here rise in gentle swells, and the long grass
 Is mixed with rustling hazels. Scarlet tufts
 Are glowing in the green, like flakes of fire;
 The wanderers of the prairie know them well,
 And call that brilliant flower the Painted Cup."

WILLIAM CULLEN BRYANT'S *The Painted Cup*.

- Melampyrum** [Tourn.] L. Cow Wheat.
- lineare** Lam. In dry woods and copses, common.
- Pedicularis** (Tourn.) L. Lousewort.
- canadensis** L. Wood Betony.
 In dry woods and copses, common.

- Schwalbea** (Gronov.) L. Chaff-seed.
americana L.
 Southbridge. Mr. L. E. Ammidown.

LENTIBULARIACEÆ (BLADDERWORT FAMILY).

- Utricularia** L. Bladderwort.
inflata Walt. In ponds.
clandestina Nutt.
 See *Flora of Lake Quinsigamond*, Prof. G. E. Stone.
vulgaris L. Greater Bladderwort. In ponds, common.
minor L. Smaller Bladderwort. In ponds.
 Prof. G. E. Stone.
gibba L. In ponds.
 Miss E. J. Seaver.
intermedia Hayne. In shallow pools.
 Prof. G. E. Stone.
purpurea Walt.
 Lake Quinsigamond. Prof. G. E. Stone.
resupinata B. D. Greene.
 See *Flora of Lake Quinsigamond*, Prof. G. E. Stone.
cornuta Michx.
 Lunenburg. Rev. F. L. Palmer.

OROBANCHACEÆ (BROOM-RAPE FAMILY).

- Epifagus** Nutt. Beech-drops.
virginiana.
 Ashburnham. Prof. J. E. Vose.
Conopholis Wallr. Squaw-root.
americana (L. f.) Wallr.
 Ashburnham. Prof. J. E. Vose.

- Orobanche** [Tourn.] L. Broom-rape.
uniflora L. One-flowered Cancer-root.
 In grassy places, common.

MARTYNIACEÆ (MARTYNIA FAMILY).

- Martynia** L. Unicorn-plant.
louisiana Mill. Escaped.
 Worcester. Mr. T. E. N. Eaton.

PHRYMACEÆ (LOPSEED FAMILY).

- Phryma** L. Lopseed.
Leptostachya L. In open woods, not common.

PLANTAGINACEÆ (PLANTAIN FAMILY).

- Plantago** (Tourn.) L. Plantain.
major L. Common Plantain.
 In waste places, very common.
Rugelii Dcne.
 Princeton. W. W. B. and J. F. C.
lanceolata L. Rib Grass. In waste places, common.
aristata Michx.
 Southbridge. Mr. L. E. Ammidown.

RUBIACEÆ (MADDER FAMILY).

- Galium** L. Bedstraw.
circæzans Michx. In rich woods.
lanceolatum Torr. Wild Liquorice.
 Worcester. Miss Emily Sargent.

- Mollugo** L.
Princeton. W. W. B. and J. F. C.
- palustre** L.
Templeton. Mr. P. Blodgett.
- trifidum** L. In wet grounds.
- tinctorium** L.
Templeton. Mr. P. Blodgett.
- asprellum** Michx. Marsh Bedstraw.
In wet grounds, common.
- triflorum** Michx. Sweet-scented Bedstraw.
In rich woods.
- Mitchella** L. Partridge Berry.
- repens** L. In rich woods, common.
- Cephalanthus** L. Buttonbush.
- occidentalis** L. In swamps, common.
- Houstonia** L.
- cærulea** L. Bluets.
In open, grassy places, very common.

CAPRIFOLIACEÆ (HONEYSUCKLE FAMILY).

- Diervilla** (Tourn.) Mill. Bush Honeysuckle.
- Lonicera** Mill. In dry woods and pastures, common.
- Lonicera** L. Honeysuckle.
- cærulea** L., var. **villosa** (Michx.) T. and G.
Boylston. Mr. Frank Drew.
- canadensis** Marsh. American Fly Honeysuckle.
In rich woods.
- hirsuta** Eat. Hairy Honeysuckle.
See Bigelow's *Florula Bostoniensis*.
- dioica** L.
West Boylston; North Brookfield.

Symphoricarpus (Dill.) Ludwig. Snowberry.
racemosus Michx.

Farnumsville, escaped. Miss K. I. Fish.

Linnæa (Gronov.) L. Twin-flower.

borealis L., var. **Americana** (Forbes) Rehder.

In cool, mossy woods, in the northern part of the county.

“Linnæa,” says Sir James Edward Smith, “is so called in honor of the great Swedish naturalist, Linnæus; and appears, by the journal of his tour in Lapland, to have been chosen by himself to commemorate his own name, when he gathered it at Lyksele, May 29, 1732. Former botanists had called this elegant and singular little plant *Campanula serpyllifolia*; but Linnæus, prosecuting the study of vegetables on the only certain principles, the structure of their parts of fructification, soon found this to constitute a new genus. He reserved the idea in his own mind till his discoveries and publications had entitled him to botanical commemoration; and his friend Gronovius, in due time, undertook to make this genus known to the world. It was published by Linnæus himself, in the *Genera Plantarum*, in 1737, and the same year in the *Flora Lapponica*, with a plate; being, moreover, mentioned in the *Critica Botanica*, as ‘a humble, despised, and neglected Lapland plant flowering at an early age,’ like the person whose name it bears.” — GEORGE B. EMERSON’S *Trees and Shrubs of Massachusetts*.

“In unploughed Maine he sought the lumberer’s gang,
 Where from a hundred lakes young rivers sprang;

He saw beneath dim aisles in odorous beds
 The slight Linnæa hang its twin-born heads,
 And blessed the monument of the man of flowers,
 Which breathes his sweet fame through the northern bowers.”

R. W. EMERSON’S *Woodnotes*, I, 3.

Triosteum L. Feverwort.

aurantiacum. Bicknell. In rich woods, Boylston.

- Viburnum** [Tourn.] L. Arrow-wood.
alnifolium, Marsh. Hobble-bush.
 In rich woods, especially northward.
Opulus L., var. **americanum** (Mill.) Ait. Cranberry Tree.
 In rich woods, Grafton and northward.
acerifolium L. Arrow-wood.
 In dry woods and thickets, common.
dentatum L. Arrow-wood.
 In moist grounds, common.
cassinoides L. Withe-rod.
 In rich soil, in low grounds.
Lentago L. Sweet Viburnum. In rich soil.
Sambucus (Tourn.) L. Elder.
canadensis. Common Elder. In moist soil, common.
racemosa L. Red-berried Elder.
 In rocky places, especially northward.

DIPSACACEÆ (TEASEL FAMILY).

- Dipsacus** (Tourn.) L. Teasel.
sylvestris (Huds.). Wild Teasel.
 South Worcester.
Knautia L.
arvensis (L.) T. Coulter.
 Princeton. Mrs. H. S. Knight.

CUCURBITACEÆ (GOURD FAMILY).

- Sicyos** L. One-seeded Bur-cucumber.
angulatus L. In rich soil in moist places.
Echinocystis T. and G. Wild Balsam-apple.
lobata (Michx.) T. and G. In rich soil.

CAMPANULACEÆ (BLUEBELL FAMILY).

- Specularia** (Heist.) Fabricius. Venus' Looking-glass.
perfoliata (L.) A. DC. In dry, open grounds.
- Campanula** (Tourn.) L. Bellflower.
rapunculoides L. Occasionally escaped.
rotundifolia L. Harebell.
 Winchendon. Mr. A. S. Allen.
aparinoides Pursh. Marsh Bluebell.
 In moist grassy places.

LOBELIACEÆ (LOBELIA FAMILY).

- Lobelia** (Plumier) L.
cardinalis L. Cardinal-flower. In moist soil, common.
siphilitica L. Great Lobelia.
 In low, moist grounds, not common.
spicata Lam. In dry soil, common.
inflata L. Indian Tobacco. In fields and copses.
Dortmanna L. Water Lobelia. On borders of ponds.

COMPOSITÆ (COMPOSITE FAMILY).

- Vernonia** Schreb. Ironweed.
noveboracensis Willd. In moist ground.
Baldwinii Torr.
 Southbridge, in waste grounds.
 Mr. L. E. Ammidown. See *Rhodora*, December,
 1906.
- Eupatorium** (Tourn.) L. Thoroughwort.
purpureum L. Joe-Pye Weed.
 In moist grounds, common.

- purpureum*, var. *maculatum* (L.) Darl.
 Phillipston. Mr. P. Blodgett.
- verbenæfolium* Michx. In low grounds.
 Mr. George Coult.
- pubescens* Muhl. In dry soil.
 Worcester. Mr. George Coult.
- sessilifolium* L. Upland Boneset. In copses.
- perfoliatum* L. Thoroughwort.
 In moist grounds, very common.
- urticæfolium* Reichard. White Snakeroot.
 In rich woods.
- aromaticum* L.
 Southbridge. Mr. L. E. Ammidown.
- Mikania** Willd. Climbing Hempweed.
- scandens* (L.) Willd.
 Worcester. Mr. Kinney.
- Liatris** Schreb. Blazing Star.
- scariosa* Willd.
 Sterling. Miss. E. J. Seaver.
- Solidago** L. Golden-rod.
- squarrosa* Muhl.
 Southbridge. Mr. L. E. Ammidown.
- cæsia* L. In rich woods and copses.
- latifolia* L. In rich woods, common.
- bicolor* L. In dry woodlands, common.
- puberula* Nutt.
 Princeton. W. W. B. and J. F. C.
- speciosa* Nutt.
 Barre. Miss Sara Lane.
- arguta* Ait. In open woods, common.
- juncea* Ait. In copses and in dry soil, common.
- neglecta* T. and G. In swamps.

- odora* Ait. Sweet Golden-rod. In dry woodlands.
ulmifolia Muhl.
 Southbridge. Mr. L. E. Ammidown.
rugosa Mill. In dry soil, very common.
nemoralis Ait. In dry, sterile fields.
canadensis L. In dry soil, common.
serotina, var. *gigantea* (Ait.) Gray. Common.
graminifolia (L.) Salisb. In moist grounds.
tenuifolia Pursh. In moist grounds.
- Aster** (Tourn.) L. Aster.
- divaricatus* L. In open woodlands, common.
macrophyllus L. In copses, common.
macrophyllus, var. *pinguifolius* Burgess.
 Templeton. Mr. P. Blodgett.
novæ-angliæ L. In fields and along fences.
patens Ait. In dry soil.
undulatus L. In dry soil.
cordifolius L. In dry woodlands.
lævis L. On borders of woodlands, common.
ericoides L. In dry soil.
 Southbridge. Mr. L. E. Ammidown.
multiflorus Ait. In dry sandy soil.
dumosus L. In sandy soil.
vimineus Lam. In waste grounds.
vimineus Lam. var. *foliolosus* (Ait.) Gray.
 See *Rhodora*, October, 1900.
lateriflorus (L.) Britton. In waste grounds.
Tradescanti L. In low grounds.
paniculatus Lam. In moist soil.
paniculatus, var. *acutidens* Burgess.
 Templeton. Mr. P. Blodgett.

- longifolius* Lam.
 Templeton. Mr. P. Blodgett.
- novi-belgii* L. In moist grounds.
- puniceus* L. In low grounds, very common.
- puniceus*, var. *compactus* Fernald.
 Templeton. Mr. P. Blodgett.
- umbellatus* Mill. In moist places, common.
- linariifolius* L. In dry soil, common.
- acuminatus* Michx. In rich woodlands, common.
- nemoralis* Ait.
 Templeton. Mr. P. Blodgett.
- nemoralis*, var. *Blakei* Porter. With the last.
- Erigeron** L. Fleabane.
- pulchellus* Michx. Robin's Plantain.
 In grassy places, common.
- philadelphicus* L. In fields and woods.
- annuus* (L.) Pers. Daisy Fleabane.
 In waste places, common.
- ramosus* (Walt.) BSP. Daisy Fleabane.
 In fields, common.
- canadensis* L. Horse-weed.
 In fields and waste places, common.
- Sericocarpus** Nees. White-topped Aster.
- asteroides* (L.) BSP. In dry soil, common.
- liniifolius* (L.) BSP. In dry soil.
 Worcester; Boylston.
- Antennaria** Gaertn. Everlasting.
- Parlinii* Fernald. In rich soil.
 Mr. R. M. Harper.
- canadensis* Greene. In dry soil.
 Mr. R. M. Harper.

- plantaginifolia* (L.) Richards. In dry soil, common.
fallax Greene. In rich open woods.
 Mr. R. M. Harper.
neodioica Greene. In fields and woods.
 Mr. R. M. Harper.
neglecta Greene. In fields and woods.
 Mr. R. M. Harper.
petaloidea Fernald. In fields and open woods.
 Mr. R. M. Harper.
- Anaphalis** DC. Everlasting.
margaritacea (L.) B. and H. Pearly Everlasting.
 In dry pastures.
- Gnaphalium** L. Cudweed.
polycephalum Michx. Common Everlasting.
 In dry open places, common.
decurrens Ives. Everlasting. In open grounds.
uliginosum L. Low Cudweed.
 In damp places, common.
purpureum L. Purplish Cudweed. In low grounds.
- Inula** L. Elecampane.
Helenium L. Elecampane.
 In fields and along roadsides.
- Ambrosia** (Tourn.) L. Ragweed.
artemisiæfolia L. Roman Wormwood.
 In waste places, very common.
- Xanthium** (Tourn.) L. Cocklebur.
spinosum L.
 Worcester. Mr. John Coulson.
canadense Mill.
 Southbridge. Mr. L. E. Ammidown.

- Heliopsis** Pers. Ox-eye.
helianthoides (L.) Sweet.
 Worcester, introduced, Mr. George Coult.
- Rudbeckia** L. Cone-flower.
hirta L. Black-eyed Susan.
 In meadows and grassy places, common.
laciniata L.
 Leicester. Mr. H. H. Kingsbury.
- Helianthus** L. Sunflower.
annuus L. Common sunflower.
 Occasionally escaped.
divaricatus L. In dry woodlands.
strumosus L. In dry woodlands.
decapetalus L. In copses and along streams.
tuberosus L. Jerusalem Artichoke.
 In copses, not common.
- Bidens** L. Bur Marigold.
frondosa L. Beggar-ticks. In moist places, common.
comosa (Gray) Wiegand. In moist places.
connata Muhl. Swamp Beggar-ticks.
 In moist places and swamps.
cernua L. Stick-tight. In wet places, common.
lævis (L.) BSP. In swamps.
Beckii Torr. Water Marigold.
 Lake Quinsigamond.
- Galinsoga** R. and P.
parviflora Cav. In waste places, spreading.
parviflora Cav., var. *hispida* DC. With the last.
- Helenium** L. Sneezeweed.
autumnale L. In meadows, established.
 Mr. George Coult.

- tenuifolium** Nutt.
Southbridge. Mr. L. E. Ammidown.
- Achillea** (Vaill.) L. Yarrow.
- Millefolium** L. Common Yarrow.
Mostly in dry grounds, common.
- Anthemis** (Michx.) L. Chamomile.
- Cotula** L. May-weed.
In waste places, very common.
- “To explain these matters it need only be said that, like many a better botanist before her, the girl had mistaken one herb of the field for another, and, instead of gathering innocent wild camomile, had collected good store of mayweed — a plant so exactly like the first to outward seeming that only most skilled eyes detect the difference between them.”—See the sixth chapter of Eden Phillpotts’ *Sons of the Morning* for the part played by the decoction of *Anthemis Cotula*.
- Chrysanthemum** (Tourn.) L. Ox-eye Daisy.
- Leucanthemum** L. White Daisy.
In fields and waste places, common.
- Parthenium** (L.) Benth. Feverfew.
Barre, escaped, Miss Sara Lane.
- Tanacetum** (Tourn.) L. Tansy.
vulgare L. Common Tansy. In waste places, common.
vulgare, var. **crispum** DC. With the last.
Prof. G. E. Stone.
- Artemisia** (Tourn.) L. Wormwood.
- vulgaris** L. Common Mugwort. Waste places.
Worcester.
- Absinthium** L. Wormwood.
Worcester. Mr. T. E. N. Eaton.

- Tussilago** (Tourn.) L. Coltsfoot.
Farfara L.
 Fitchburg. Mr. E. A. Hartwell.
- Erechtites** Raf. Fireweed.
hieracifolia (L.) Raf. In burned clearings.
- Senecio** (Tourn.) L. Squaw-weed.
aureus L. Golden Ragwort.
 In swamps and wet meadows.
- Arctium** L. Burdock.
minus (Hill.) Bernh. Common Burdock.
 In waste places, common.
- Carduus** (Tourn.) L. Plumeless Thistle.
crispus L.
 Worcester. Mr. L. White.
- Cirsium** (Tourn.) Hill. Common Thistle.
lanceolatum (L.) Hill. Common Thistle.
 In fields and waste places, common.
spinosissimum (Walt.) Scop. Yellow Thistle.
 Southbridge. Mr. L. E. Ammidown.
discolor Spreng. In fields and along roadsides.
muticum Michx. Swamp Thistle. In swamps.
pumilum (Nutt.) Spreng. Pasture Thistle.
 Southbridge. Mr. L. E. Ammidown.
arvense (L.) Scop. Canada Thistle.
 In fields and waste places, common.
- Centaurea** L. Star Thistle.
nigra L. Knapweed.
 Hardwick. Mr. R. M. Harper.
maculosa Lam.
 West Auburn, recently introduced.

- Cichorium** (Tourn.) L. Succory or Chicory.
Intybus L. Common Chicory.
 By roadsides and in waste places.
- Krigia** Schreb. Dwarf Dandelion.
virginica (L.) Willd. In dry soil.
- Leontodon** L. Hawkbit.
autumnalis L. Fall Dandelion.
 By roadsides and in waste places.
- Tragopogon** (Tourn.) L. Goat's Beard.
pratensis L. Goat's Beard.
 Worcester.
- Taraxacum** (Haller) Ludwig. Dandelion.
officinale Weber. Common Dandelion.
 In fields and waste places, very common.

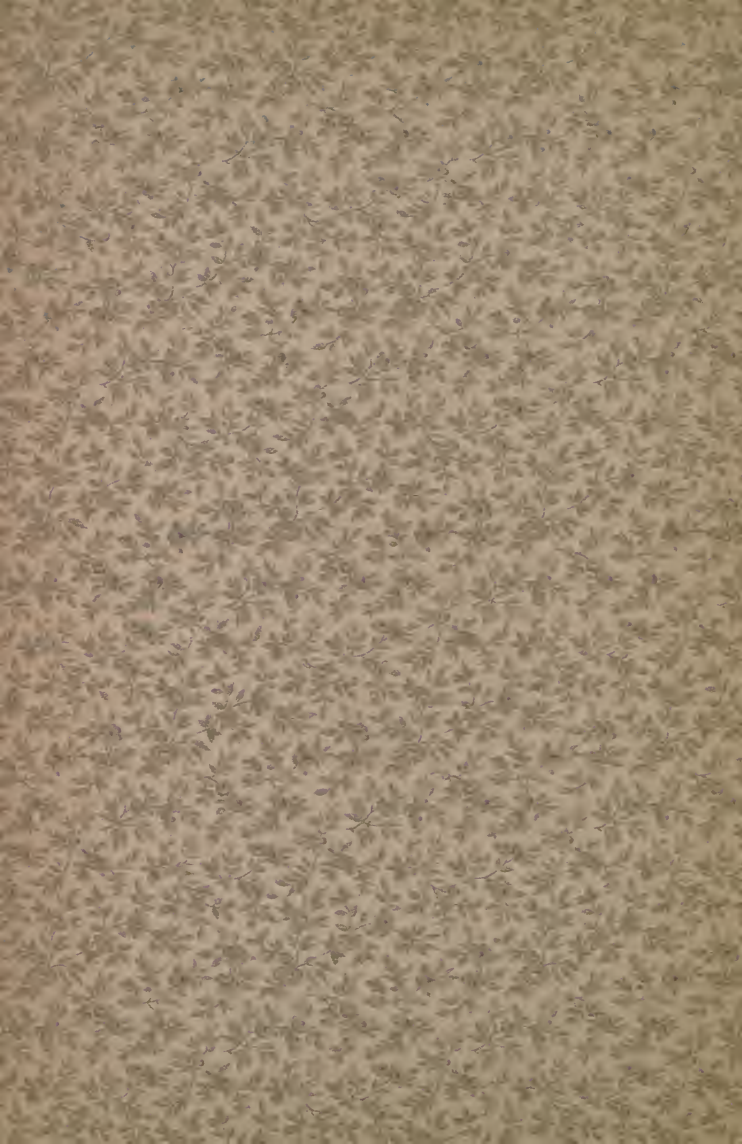
“Dear common flower, that grow’st beside the way,
 Fringing the dusty road with harmless gold,
 First pledge of blithesome May,
 Which children pluck, and, full of pride, uphold,
 High-hearted buccaneers, o’erjoyed that they
 An Eldorado in the grass have found,
 Which not the rich earth’s ample round
 May match in wealth, thou art more dear to me
 Than all the prouder summer-blooms may be.”

LOWELL'S *To the Dandelion.*

- Sonchus** (Tourn.) L. Sow Thistle.
arvensis L. Field Sow Thistle. In waste places.
oleraceus L. Common Sow Thistle. In waste places.
asper (L.) Hill. Spiny-leaved Thistle.
 In waste places.

- Lactuca** (Tourn.) L. Lettuce.
scariola L. Prickly Lettuce.
 Worcester. Miss Grace B. Baker.
canadensis L. Wild Lettuce. In rich soil, common.
hirsuta Muhl.
 Southbridge. Mr. L. E. Ammidown.
ludoviciana (Nutt.) Riddell. Waste grounds.
 Worcester. Mr. George Coult.
spicata (Lam.) Hitchc. In low grounds.
- Prenanthes** (Vaill.) L. Rattlesnake-root.
alba L. White Lettuce. In rich woods, common.
serpentaria Pursh. Lion's-foot. Occasional.
 Prof. G. E. Stone.
trifoliata (Cass.) Fernald.
 Templeton. Mr. P. Blodgett.
altissimus L. In rich woods, common.
- Hieracium** (Tourn.) L. Hawkweed.
aurantiacum L. Orange Hawkweed.
 In fields and waste places.
venosum L. Rattlesnake-weed. In dry woods.
paniculatum L. In dry woods.
scabrum Michx. In dry woods and pastures.
Gronovii L. In dry woods.
canadense Michx. In dry woods.

(1240 species and varieties.)



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