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SERIES · IV ·

WAYSIDE FLOWERS

OF · AUGUST · SEPTEMBER
OCTOBER · AND · JUNE
TO · OCTOBER

WITH LIFE
SIZE PEN AND
INK STUDIES
FROM NATURE

BY

F. SCHVYLER MATHEWS

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WAYSIDE

FLOWERS

SERIES IV. BEING A DESCRIPTION OF AMERICAN
WILD FLOWERS THAT BLOOM IN
AUGUST, SEPTEMBER, OCTOBER, AND
JUNE TO OCTOBER * * * * *

ordisarch
BY F. SCHUYLER MATHEWS * * *
ILLUSTRATED WITH PEN AND INK
DRAWINGS FROM NATURE BY THE
AUTHOR * * * * *

TABER-PRANG ART CO
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July 13, '99,

WAYSIDE FLOWERS.

PREFACE, SERIES IV.

IN the latter part of summer and in the coming of autumn, there is a general mingling of the tall weeds which have just attained their full growth, with some of the little ones which have lingered on the by-way since early summer.

In August the yellow flowers of the wild Indigo, give place to the crowding yellow plumes of the golden-rod. The little milkwort is fading now, and the Brunella fails to show its sumptuous purple heads which were so conspicuous in July.

There is a change afoot — the evening primrose is past its prime, the lingering blue-bells show a few last touches of purple on the borders of the rocky pasture, and the yellow of the Hypericum is fading. Then come the goldenrods and asters in countless numbers and infinite variety, and finally the bright gentians wind up the floral procession with the blue of heaven, and the fringes of Juno's eyes. Perhaps the Autumn dandelion puts a period at the end of the gentian's march, but it is hard to tell which is the last flower. In different parts of the country the

procession changes its order and its character. But of one thing we may be sure, the flowers of the witch-hazel will linger until the first flurry of snow.

My list, which includes only a hundred or so flowers, may not seem a very extensive one, but the selection is marked by distinguished characters. There are undoubtedly many other flowers which are equally entitled to our attention, but this collection will serve as a good introduction to those less common species in which we will soon become interested after familiarity with our present list is assured. It is never best to rush swiftly along the path of knowledge; something is sure to be overlooked. It is often wisest to suggest to the student a little bit of leisure study. To master a knowledge of a hundred flowers is a fair and sound beginning.

This wild flower series will be followed later by a series of one hundred trees which will include all the native species common in the middle and North-eastern States.

F. SCHUYLER MATHEWS.

EL FUREIDAS,
BLAIR, CAMPTON, N.H.

Series 4.

Wild Indigo.
Baptisia tinctoria.

Wild Indigo.

Baptisia tinctoria.

Family . . . LEGUMINOSÆ, Pulse.
Color . . . Yellow.
Blooms . . . June-August, often early September.
Environment, Dry, sandy soil.
Height . . . 18 ins. to 3 ft.
Habitat . . . Me. to Fla., west to Minn. and La.

Character: Whitish green foliage, pealike blossom.

Series 4.

Milkwort.
Polygala cruciata.

Harebell, Bluebell.
Campanula rotundifolia.

Milkwort.

Polygala cruciata.

- Family . . . POLYGALACEÆ, Milkwort.
 Color . . . Dull magenta pink.
 Blooms . . . August-September.
 Environment, Margins of swamps, low grounds.
 Height . . . 3 ins. to 10 ins.
 Habitat . . . Me. to Va., southward near the coast,
 west to Minn. and Neb.

Character: Flower spike short and thick;
 spreading branches.

Harebell, Bluebell.

Campanula rotundifolia.

- Family . . . CAMPANULACEÆ, Campanula.
 Color . . . Light blue-violet.
 Blooms . . . June-September.
 Environment, Rocky and shaded banks and cliffs.
 Height . . . 7 ins. to 1 ft.
 Habitat . . . Common northward, and southward
 in the mts.

Character: Slender leaved, firm, and wiry
 stemmed; the round, heart-shaped root leaves,
 disappear very early.

Series 4.

Evening Primrose.

Oenothera biennis.

Family . . . ONAGRACEÆ, Evening Primrose.
Color . . . Pure light yellow.
Blooms . . . June - September.
Environment, Roadsides and fields.
Height . . . 1 ft. to 4 ft.
Habitat . . . Common.

Character: Erect and stout; flower delicately lemon perfumed, opens broadly toward evening.

Common St. John's-wort.

Hypericum perforatum.

Family . . . HYPERICACEÆ, St. John's-wort.
Color . . . Golden yellow.
Blooms . . . June - September.
Environment, Fields, roadsides, meadow borders.
Height . . . 1 ft. to 2 ft.
Habitat . . . Common, naturalized from Europe.

Character: Rugged and branchy.

Upright-leaved St. John's-wort.

Hypericum adpressum.

Family . . . HYPERICACEÆ, St. John's-wort.
Color . . . Bright light golden-yellow.
Blooms . . . July - September.
Environment, Moist places.
Height . . . 1 ft. to 2 ft.
Habitat . . . Nantucket and R. I. to Pa., and southwestward.

Character: Leaves long, growing close to stem, which is simple.

Series 4.

Herb Robert.
Geranium robertianum.

Herb Robert.

Geranium Robertianum.

- Family . . GERANIACEÆ, Geranium.
Color . . . Magenta, and deeper dull crimson-magenta.
Blooms . . June - October.
Environment, Moist woods, shaded ravines, shady roadsides.
Height . . . 1 ft. to 2 ft.
Habitat . . . New England to Mo. and northward, naturalized from Europe.
Character: Reddish, sparingly hairy, strong scented stems.

Series 4.

Beggar-ticks.
Bidens frondosa.

Larger Bur-Marigold.
Bidens chrysanthemoides.

Beggar-ticks.

Bidens frondosa.

Family . . . COMPOSITÆ, Composite.
 Color . . . Flowers heads yellow-green or rusty,
 indeterminate in color.
 Blooms . . . July - October.
 Environment, Moist waste places.
 Height . . . 16 ins. to 6 ft.
 Habitat . . . Common throughout the country.

Character: The tiny seed-vessels with two tiny
 awl-shaped bristles, which adhere to clothing
 and sheep's wool; flowers rayless.

Larger Bur-Marigold.

Bidens chrysanthemoides.

Family . . . COMPOSITÆ, Composite.
 Color . . . Golden yellow, dull or greenish in
 center.
 Blooms . . . August - October.
 Environment, Swamps, damp places, by shallow
 water.
 Height . . . 6 ins. to 2 ft., rarely 30 ins.
 Habitat . . . Common northward.

Character: Smooth, erect; leaves regularly
 toothed.

Series 4.

Smooth Golden-rod.
Solidago serotina.

Willow-leaved Blue Aster
Aster Novi-Belgii.

Willow-leaved Blue Aster.
Aster Novi-Belgii.

Smooth Golden-rod.

Solidago serotina.

- Family . . . COMPOSITÆ, Composite.
 Color . . . Yellow, golden in tone, inclined to
 greenish cast.
 Blooms . . . August – September.
 Environment, Copses, roadsides, fence-rows.
 Height . . . 18 ins. to 2 ft., rarely 30 ins.
 Habitat . . . Common.

Character: Smooth leaf; stout, smooth stem,
 often covered with a purplish bloom; small
 flowers, but large showy clusters.

Willow-leaved Blue Aster.

Aster Novi-Belgii.

- Family . . . COMPOSITÆ, Composite.
 Color . . . Whitish lilac, deeper, or paler, some-
 times bluer.
 Blooms . . . August – October.
 Environment, Borders of copses, roadsides.
 Height . . . 9 ins. to 30 ins.
 Habitat . . . Very common. Me. to Ill. and Ga.,
 along the Atlantic coast.

Character: Smooth throughout; leaves light
 green, stemless.

Series 4.

Gray Golden-rod.
Solidago nemoralis.

Panicle White Aster.
Aster paniculatus.

Gray Golden-rod.

Solidago nemoralis.

Family . . . COMPOSITÆ, Composite.
 Color . . . Bright golden-yellow.
 Blooms . . . August - October.
 Environment, Dry hillsides, pastures, roadsides.
 Height . . . 1 ft. to 2 ½ ft.
 Habitat . . . Common.

Character: Grayish green, fine, wooly stems;
 compact, but small, brilliant flower-head.

Panicled White Aster.

Aster paniculatus.

Family . . . COMPOSITÆ, Composite.
 Color . . . White, yellow center.
 Blooms . . . Late August, September.
 Environment, Low, moist grounds, borders of
 meadow copses, shady banks.
 Height . . . 2 ft. to 8 ft.
 Habitat . . . Common.

Character: Foliage deep green, erect branches;
 usually broad, flat-topped panicle of flowers.

Series 4.

Purple-stemmed Aster.
Aster puniceus.

White Golden-rod.
Solidago bicolor.

Purple-stemmed Aster.

Aster puniceus.

- Family . . . COMPOSITÆ, Composite.
 Color . . . Purplish, or light violet, lighter or deeper, yellow center.
 Blooms . . . September.
 Environment, Swamps, moist places, among thickets.
 Height . . . 3 ft. to 7 ft.
 Habitat . . . Very common.

Character: Purple-brownish stem, rough, hairy, stout.

White Golden-rod.

Solidago bicolor.

- Family . . . COMPOSITÆ, Composite.
 Color . . . Cream-white, bits of rusty color, stamens light yellow.
 Blooms . . . August - September.
 Environment, Fields, copses, roadsides.
 Height . . . 1 ft. to 2 ft.
 Habitat . . . Me., west to Minn. and Mo.

Character: Stem mostly simple, but often branched; foliage grayish green, with soft hairs.

Series 4.

Lance-leaved Golden-rod.
Solidago lanceolata.

Closed Gentian, Bottle Gentian.
Gentiana Androsii.

Lance-leaved Golden-rod.

Solidago lanceolata.

- Family . . . COMPOSITÆ, Composite.
 Color . . . Light dull golden-yellow.
 Blooms . . . August, early October.
 Environment, River banks, moist soil, roadsides by
 ditches.
 Height . . . 2 ft. to 3 ft.
 Habitat . . . Common.

Character: Small lance-shaped leaf; tiny flowers
 in flat-topped clusters.

Closed Gentian, Bottle Gentian.

Gentiana Andrewsii.

- Family . . . GENTIANACEÆ, Gentian.
 Color . . . Blue-violet, white in part, sometimes
 all white.
 Blooms . . . September - October.
 Environment, Moist ground, shaded and leafy road-
 sides.
 Height . . . 1 ft. to 2 ft.
 Habitat . . . Me. to Minn., south to northern Ga.

Character: Stems upright, smooth; the violet-
 blue flowers never open, bottle-shaped.

the Gentian.
Andrewsii.

Series 4.

White Heathlike Aster.

Aster ericoides.

Blue-stemmed Golden-rod.

Solidago cirsia.

Ladies' Tresses.

Spiranthes cernua.

White Heathlike Aster.

Aster ericoides.

Family . . . COMPOSITÆ, Composite.
 Color . . . White, yellow center.
 Blooms . . . August - September, early October.
 Environment, Dry hillsides, open places, pastures.
 Height . . . 1 ft. to 3 ft.
 Habitat . . . Southern N. H. and Mass. southward, west to Minn.

Character: Tiny flowers, daisylike, narrow petals, heathlike; spare foliage.

Blue-stemmed Golden-rod.

Solidago cæsia.

Family . . . COMPOSITÆ, Composite.
 Color . . . Bright golden-yellow.
 Blooms . . . September - October.
 Environment, Rich woodlands, woody roadsides.
 Height . . . 2 ft. to 3 ft.
 Habitat . . . Common. Me., west to southeast Minn., Ill. and Ky.

Character: Showy large flowers, in small clusters at bases of leaves. stem blue-purplish.

Ladies' Tresses.

Spiranthes cernua.

Family . . . ORCHIDACEÆ, Orchid.
 Color . . . White, waxy, creamy tone.
 Blooms . . . September - October.
 Environment, Swamps, wet roadsides, damp meadows.
 Height . . . 6 ins. to 12 ins., rarely 20 ins.
 Habitat . . . Common eastward and southward.

Character: Sweet scented, flowers climb the stalk spirally.

Series 4.

Rough-leaved Aster.
Aster rudula.

Heart-leaved Aster.
Aster cordifolius.

Heart-leaved Aster.

Aster cordifolius.

Family . . . COMPOSITÆ, Composite.
Color . . . Lilac, also nearly white, purplish
 centers.
Blooms . . . September - October.
Environment, Woodlands and shady banks.
Height . . . 10 ins. to 2 ft.
Habitat . . . Very common.

Character: Heart-shaped leaves on slender
 stems; a small flower, in pyramidal cluster.

Rough-leaved Aster.

Aster rudula.

Family . . . COMPOSITÆ, Composite.
Color . . . Light violet.
Blooms . . . August - September.
Environment, Borders of copses, and woodlands.
Height . . . 1 ft. to 3 ft.
Habitat . . . Me. to Del., also Pocono Mt., Penn.

Character: Scales immediately under the flower
 with short spreading green tips; stemless
 leaves.

Series 4.

Fringed Gentian.
Gentiana crinita.

Fall Dandelion
Leontodon autumnali

Fall Dandelion
Leontodon autumnalis

Fringed Gentian.

Gentiana crinita.

Family . . . GENTIANACEÆ, Gentian.
Color . . . Light blue-violet, deeper or lighter.
Blooms . . . Late September–October.
Environment, Low grounds, near streams.
Height . . . 1 ft. to 2 ft.
Habitat . . . Me. to the Dakotas, south to Iowa,
and Ohio, and the mts. to Ga.

Character: Flowers open only in sunshine,
deeply fringed, solitary, on long stems.

Fall Dandelion.

Leontodon autumnalis.

Family . . . COMPOSITÆ, Composite.
Color . . . Golden yellow.
Blooms . . . July–November, common in October.
Environment, Moist meadows.
Height . . . 5 ins. to 15 ins.
Habitat . . . Me. to Pa., common.

Character: A bracted (with tiny leaflike scales)
branching stem.

SYSTEMATICAL INDEX.

Series. Pp.		Series. Pp.		Series. Pp.	
RANUNCULACEÆ, Crowfoot.		Wood Sorrel, <i>Oxalis acetosella</i>	1-21	or twice as many stamens as petals,	
Herbs with numerous stamens, and		Yellow Wood-Sorrel, <i>Oxalis</i>		both inserted in the throat of the	
usually more than one pistil, all		<i>corniculata</i> var. <i>stricta</i>	1-15	calyx, anthers of peculiar shape	
the parts of the flower distinct, and		Jewelweed, Touch-me-not, <i>Impatiens pallida</i>	111-19	opening by a small hole at the apex.	
inserted on the receptacle. Calyx				Meadow Beauty, Deerglass,	
often colored like a corolla, when				<i>Rhexia virginica</i>	111-19
the latter is wanting.		POLYGALACEÆ, Milkwort.		ONAGRACEÆ, Evening Primrose.	
Thimble-weed, <i>Anemone virginiana</i>	11-21	Herbs with very irregular flowers.		Herbs or shrubs with showy perfect	
Wood Anemone, Wind-flower.		Calyx persistent of 5 sepals; 3 of		and symmetrical flowers in fours	
<i>Anemone quinquefolia</i> , <i>Anemone nemorosa</i>	1-13	them small, viz.: 2 on the lower,		(rarely in two to sixes) throughout.	
Liverwort, Hepatica, <i>Hepatica triloba</i>	1-3	and 1 on the upper side of the blossom, and 1 on each side called		The calyx tube bearing the petals,	
Rue Anemone, <i>Anemonella thalictroides</i>	1-13	wings, which are larger, colored and		and as many or twice as many	
Marsh Marigold, <i>Caltha palustris</i>	1-5	would be taken for petals. Within		stamens. Styles always united into	
Goldthread, <i>Coptis trifolia</i>	1-7	these on the lower side, are 3 petals		one.	
Columbine, <i>Aquilegia Canadensis</i>	11-5	united into 1 body, the middle one		Fireweed, <i>Epilobium angustifolium</i>	111-15
PAPAVERACEÆ, Poppy.		keel-shaped and often bearing a		Hairy Willow-herb, <i>Epilobium hirsutum</i>	111-15
Herbs with regular flowers, calyx		crest. Stamens 6 or 8 concealed in		Evening Primrose, <i>Oenothera biennis</i>	IV-7
mostly of two sepals which fall when		the hooded middle petal. Leaves		UMBELLIFERÆ, Parsley.	
the blossom opens, petals twice or		simple, entire, alternate or whorled.		Herbs with small flowers in com-	
3-5 times as many, numerous free		Fringed Polygala, Flowering		compound umbels calyx with 5 minute	
stamens. Juice usually milky or		Wintergreen, <i>Polygala paucifolia</i>	1-19	teeth or none, 5 petals, 5 stamens	
colored and narcotic.		Milkwort, <i>Polygala polygama</i>	111-11	and 2 styles. Stems usually hollow.	
Bloodroot, <i>Sanguinaria Canadensis</i>	1-7	Milkwort, <i>Polygala cruciata</i>	IV-5	Leaves alternate, more commonly	
FUMARIACEÆ, Fumitory.		LEGUMINOSÆ, Pulse.		compound.	
Delicate and smooth herbs. Sepals		Flowers (always on the plan of 5,		Wild Parsnip, <i>Zizia aurea</i>	1-25
2, scale-like; 4 larger irregular and		and stamens not exceeding 10) truly		CAPRIFOLIACEÆ, Honeysuckle.	
closed petals, the two outer with		papilionaceous, i.e. butterflylike		Herbs with small flowers; stamens	
spreading tips, and 1 or both spurred		or having a standard, keel and wings.		as many as the lobes of the corolla	
or saccate at base, the 2 inner and		Sepals united more or less into a		and borne on its tube. Leaves opposite	
smaller united by their tips, which		tube or cup. Leaves compound and		without stipules.	
inclose the anthers of the 6 stamens		alternate.		Twin Flower, <i>Linnaea borealis</i>	1-13
in 2 sets along with the stigma.		Wild Indigo, <i>Baptisia tinctoria</i>	IV-3	RUBIACEÆ, Madder.	
Compound leaves.		ROSACEÆ, Rose.		Shrubs or rarely herbs, stamens	
Dutchman's Breeches, <i>Dicentra Cucullaria</i>	1-5	Plants with regular flowers, numer-		as many as the lobes of the corolla	
CARYOPHYLLACEÆ, Pink.		ous (rarely few) distinct stamens in-		and borne on its tube. Entire opposite	
Herbs with regular flowers with not		serted on the calyx, and 1 or many		leaves with stipules between them,	
over 10 stamens, 2-5 styles or sessile		pistils, which are quite distinct.		or else (as in <i>Galium</i>) the leaves	
stigmas, mostly separate to the base.		Calyx of 5 or rarely 3, 4 or 8 sepals,		whorled without stipules.	
Calyx persistent. Petals sometimes		united at the base. Petals as many		Bluets, Quaker Ladies, <i>Houstonia cerulea</i>	11-3
minute or wanting. Opposite en-		as the sepals, and inserted with the		Bedstraw, <i>Galium asprellum</i>	111-11
tire leaves.		stamens on the edge of a disk that		COMPOSITÆ, Composite.	
Long-leaved Stitchwort, <i>Stellaria longifolia</i>	11-5	lines the calyx tube. Leaves alter-		The largest family of flowering plants.	
HYPERICACEÆ, St. John's-wort.		nate and stipulate.		Corollas either tubular (or funnel-	
Perfect flowers with many or few		Meadowsweet, <i>Spiraea salicifolia</i>	11-19	formed and lobed) or strap-shaped,	
stamens (usually in 3 or 5 clusters)		Hardhack, Steeple-bush, <i>Spiraea tomentosa</i>	11-19	sometimes both kinds in the same	
inserted on the receptacle. Leaves		Purple Flowering-Raspberry, <i>Rubus odoratus</i>	11-17	head; when the marginal strap-	
opposite, entire, simple.		Wild Swamp Rose, <i>Rosa Carolina</i>	111-7	shaped corollas form what are called	
Upright-leaved St. John's-wort, <i>Hypericum adpressum</i>	IV-7			ray flowers, those of the central part	
Common St. John's-wort, <i>Hypericum perforatum</i>	IV-7	SAXIFRAGACEÆ, Saxifrage.		of the head are called disk flowers.	
GERANIACEÆ, Geranium.		Flowers mostly perfect with as many		There are almost always five stamens,	
Herbs with regular flowers on the		or twice as many stamens, and fewer		and the anthers are united in a com-	
plan of 5, stamens 10, lower lobes		styles or stigmas than there are		mon tube through which the style	
scented. Leaves simple, variably		petals or sepals. Stamens and pet-		passes.	
lobed or even dissected. (In <i>Oxalis</i>		als generally borne on the calyx.		White Snake-root, <i>Eupatorium ageratoides</i>	111-21
leaves compound, of 3 obcordate		Foamflower, False Mitrewort, <i>Tiarella cordifolia</i>	1-17	Golden-rod, <i>Chrysopsis falcata</i>	111-7
leaflets, and flowers usually open		DROSERACEÆ, Sundew.		Lance-leaved Golden-rod, <i>Solidago lanceolata</i>	IV-19
only in sunshine.)		Bog herbs, with regular five-petaled		Blue-stemmed Golden-rod, <i>Solidago casia</i>	IV-21
Wild Geranium, Cranesbill, <i>Geranium maculatum</i>	1-25	flowers, and bristly fringed leaves		White Golden-rod, <i>Solidago bicolor</i>	IV-17
Herb Robert, <i>Geranium Robertianum</i>	IV-9	in a tuft at the root. Insectivorous		Smooth Golden-rod, <i>Solidago serotina</i>	IV-13
		plants.		Gray Golden-rod, <i>Solidago nemoralis</i>	IV-15

SYSTEMATICAL INDEX.

	Series. Pp.		Series. Pp.		Series. Pp.
Heart-leaved Aster, <i>Aster cordifolius</i>	IV-23	as many as its divisions and opposite them; one style and stigma.		The six-parted perianth composed of three outer divisions answering to sepals, and the three inner (which alternate with the outer divisions) answering to petals; one of these which is larger and different from the others is called the lip or labellum. There are one or two stamens which are connected with the style; the pollen is mostly coherent in masses.	
Purple-stemmed Aster, <i>Aster puniceus</i>	IV-17	Star Flower, <i>Trientalis Americana</i>	I-9	Calopogon, Bearded Orchis, <i>Calopogon pulchellus</i>	II-11
Rough-leaved Aster, <i>Aster radula</i>	IV-23	Four-leaved Loosestrife, <i>Lysimachia quadrifolia</i>	II-13	Snake's Mouth, <i>Pogonia ophioglossoides</i>	II-11
Willow-leaved Blue Aster, <i>Aster Novi-Belgii</i>	IV-13	Common Loosestrife, <i>Lysimachia stricta</i>	II-13	Ladies' Tresses, <i>Spiranthes cernua</i>	IV-21
White Heathlike Aster, <i>Aster ericoides</i>	IV-21	APOCYNACEÆ, Dogbane.		Rattlesnake Plantain, <i>Goodyera pubescens</i>	III-3
Panicle White Aster, <i>Aster paniculatus</i>	IV-15	Herbaceous or woody plants, with milky juice, opposite (sometimes whorled) simple and entire leaves, without stipules, and regular flowers. Calyx, corolla, and stamens in fives, but the stigmas and often the styles united into one.		Greenish-White Orchis, <i>Habenaria tridentata</i>	II-9
Robin's Plantain, <i>Erigeron helioides</i>	I-17	Spreading Dogbane, <i>Apocynum androsaemifolium</i>	II-15	Smaller Green Orchis, <i>Habenaria Hookeri</i>	II-9
Daisy Fleabane, <i>Erigeron strigosus</i>	III-13	ASCLEPIADACEÆ, Milkweed.		Ragged Fringed Orchis, <i>Habenaria lacera</i>	II-9
Black-eyed Susan, <i>Rudbeckia hirta</i>	III-19	Plants with milky juice opposite (sometimes whorled) simple and entire leaves without stipules, and regular monopetalous flowers with five parts to the calyx, corolla and stamens. Anthers connected with the stigma. The short filaments bearing curious appendages behind the anthers forming what is called a crown.		Smaller Purple-Fringed Orchis, <i>Habenaria pycnodes</i>	II-11
Wild Sunflower, <i>Helianthus giganteus</i>	III-25	Swamp Milkweed, <i>Asclepias incarnata</i>	III-13	Showy Lady's Slipper, <i>Cypripedium spectabile</i>	II-21
Beggar-ticks, <i>Bidens frondosa</i>	IV-11	Common Milkweed, <i>Asclepias Cornuti</i>	III-9	Moccasin-flower, Lady's Slipper, <i>Cypripedium acule</i>	II-7
Larger Bur-Marigold, <i>Bidens chrysanthemoides</i>	IV-11	GENTIANACEÆ, Gentian.		IRIDACEÆ, Iris.	
Fall Dandelion, <i>Leontodon autumnalis</i>	IV-25	Herbs with regular flowers, having stamens as many as the lobes of the corolla and alternate with them. Leaves opposite, simple, entire and sessile.		Flowers perfect and showy, from a spathe of two or more leaves or bracts; divisions of the perianth in two sets (answering to sepals and petals). Style 1, or rarely 3-cleft; stigmas 3 opposite the 3 stamens and the outer divisions of the perianth. Anthers face outward.	
LOBELIACEÆ, Lobelia.		Centaur, <i>Erythraea spicata</i>	III-20	Blue Flag, Larger, <i>Iris versicolor</i>	I-23
Plants with milky, acrid juice, alternate, simple leaves, and scattered, racemed or panicled flowers. The corolla irregularly 5 lobed and mostly split down, on the upper side; the 5 stamens united into a tube commonly by their filaments and always by their anthers; style only one.		Sea Pink, <i>Sabbatia stellaris</i>	III-5	Blue-eyed Grass, <i>Sisyrinchium angustifolium</i>	II-3
Cardinal Flower, <i>Lobelia cardinalis</i>	III-17	Slender Sabbatia, <i>Sabbatia gracilis</i>	III-5	LILIACEÆ, Lily.	
Indian Tobacco, <i>Lobelia inflata</i>	III-15	American Centaur, <i>Sabbatia chloroides</i>	III-5	Large family with regular symmetrical flowers, usually with perianth of 6 parts, and as many stamens standing in front of the divisions. Chiefly herbs with entire leaves.	
CAMPANULACEÆ, Campanula.		Fringed Gentian, <i>Gentiana crinita</i>	IV-19	Solomon's Seal, <i>Polygonatum biflorum</i>	I-19
Herbs with milky juice, and scattered flowers, with regular 5-lobed (blue or white) corolla, and 5 stamens borne on the summit of the calyx tube. Style 1; stigmas several. Stamens separate. Leaves alternate.		Closed Gentian, Bottle Gentian, <i>Gentiana Andrewsii</i>	IV-19	False Solomon's Seal, <i>Smilacina stellata</i>	I-9
Harebell, Bluebell, <i>Campanula rotundifolia</i>	IV-5	SCROPHULARIACEÆ, Figwort.		Canada Mayflower, <i>Maianthemum Canadense</i>	I-17
ERICACEÆ, Heath.		Known by the 2-lipped or at least more or less irregular monopetalous corolla, 2 or 4 stamens, single style entire or 2-lobed stigma. A few have the corolla almost regular, and one or two have 5 stamens either complete or incomplete.		Bellwort, <i>Oakesia sessilifolia</i>	I-15
A large family of shrubs, herbs, and small trees. Flowers almost all regular with as many or twice as many stamens as there are petals or lobes of the corolla. The heath and heather belong to this family and are distinguished by needlelike evergreen leaves, and 4-lobed corollas.		Turtlehead, <i>Chelone glabra</i>	III-19	Adder's Tongue, Dog's-Tooth Violet, <i>Erythronium Americanum</i>	I-7
Mayflower, Trailing Arbutus, <i>Epigaea repens</i>	I-3	Purple Gerardia, <i>Gerardia purpurea</i>	III-21	Wood Lily, Wild Red Lily, <i>Lilium Philadelphicum</i>	II-25
Shin Leaf, <i>Pyrola elliptica</i>	II-7	LABIATÆ, Mint.		Canada Meadow Lily, <i>Lilium Canadense</i>	II-23
Bell Heather, <i>Erica cinerea</i>	III-11	Herbs with aromatic herbage, square stems, opposite simple leaves, 2-lipped corolla, the upper lip divided into 2 lobes, the lower into 3. 2 or 4 stamens inserted on the corolla tube, 2-lobed stigma. Flowers from the axils of the leaves or bracts, in clusters or spikes.		Wake-Robin, Birthroot, <i>Trillium erectum</i>	I-11
Indian Pipe, <i>Monotropa uniflora</i>	II-25	Self-Heal, <i>Brunella vulgaris</i>	III-11	Painted Trillium, <i>Trillium erythrocarum</i>	I-11
PLUMBAGINACEÆ, Leadwort.		ORCHIDACEÆ, Orchis.		ARACEÆ, Arum.	
Known by the regular flowers with 5-lobed plaited calyx, 5 stamens opposite as many petals and almost separate from them, and 5 styles.		Perennial herbs more or less dependent upon insects for fertilization.		Herbs with pungent watery juice, small perfect or imperfect flowers in a fleshy head or spike called a spadix, usually furnished with the colored enveloping bract called a spathe.	
Sea Lavender, Marsh Rosemary, <i>Statice Limonium</i> var. <i>Caroliniana</i>	III-23			Jack-in-the-Pulpit, Indian Turnip, <i>Arisaema triphyllum</i>	I-21
PRIMULACEÆ, Primrose.					
Herbs with regular perfect flowers, the stamens borne on the corolla and					

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	Series Pp.		Series Pp.		Series Pp.		Series Pp.
Adder's Tongue	I-7	Dandelion, Fall	IV-25	Indigo, Wild	IV-3	Rosa Carolina	III-7
Anemone nemorosa	I-13	Deergrass	III-17	Iris versicolor	I-23	Rose, Wild Swamp	III-7
Anemone quinquefolia	I-13	Dicentra Cucullaria	I-5	Jack-in-the-Pulpit	I-21	Rubus odoratus	II-17
Anemone Virginiana	II-21	Dogbane, Spreading	II-15	Jewelweed	III-19	Rudbeckia hirta	III-3
Anemone, Wood	I-13	Drosera intermedia var.		Ladies' Tresses	IV-21	Rue Anemone	I-13
Anemonella thalictroides	I-13	Americana	III-25	Lady's Slipper	II-7	Sabbatia chloroides	III-5
Apocynum androsaemifolium	II-15	Dutchman's Breeches	I-5	Lady's Slipper, Showy	II-21	Sabbatia gracilis	III-5
Aquilegia Canadensis	II-5	Epigaea repens	I-3	Leontodon autumnalis	IV-25	Sabbatia, Slender	III-5
Arbutus, Trailing	I-3	Epilobium angustifolium	III-15	Lilium Canadense	II-23	Sabbatia stellaris	III-5
Arizema triphyllum	I-21	Epilobium hirsutum	III-15	Lilium Philadelphicum	II-25	Sanguinaria Canadensis	I-7
Asclepias Cornuti	III-9	Erica cinerea	III-11	Lily, Canada Meadow	II-23	Sea Lavender	III-23
Asclepias incarnata	III-13	Erigeron bellidifolius	I-17	Lily, Wild Red	II-25	Sea Pink	III-5
Aster cordifolius	IV-23	Erigeron strigosus	III-13	Lily, Wood	II-25	Self-Heal	III-11
Aster ericoides	IV-21	Erythraea spicata	III-23	Linnaea borealis	I-13	Shin Leaf	II-7
Aster, Golden	III-7	Erythronium Americanum	I-7	Liverwort	I-3	Sisyrinchium angustifolium	II-3
Aster, Heart-leaved	IV-23	Eupatorium ageroides	III-21	Lobelia cardinalis	III-17	Sisyrinchium stellata	I-9
Aster Novi-Belgii	IV-13	Evening Primrose	IV-7	Lobelia inflata	II-15	Snake-root, White	III-21
Aster, Panicle White	IV-15	Fireweed	III-15	Loosestrife, Common	II-13	Snake's Mouth	II-11
Aster paniculatus	IV-15	Flowering Wintergreen	I-19	Loosestrife, Four-leaved	II-13	Solidago bicolor	IV-17
Aster puniceus	IV-17	Foamflower	I-17	Lysimachia quadrifolia	II-13	Solidago casta	IV-21
Aster, Purple-stemmed	IV-17	Galium asperellum	III-11	Lysimachia stricta	II-13	Solidago lanceolata	IV-19
Aster radula	IV-23	Gentian, Bottle	IV-19	Maianthemum Canadense	I-17	Solidago nemoralis	IV-15
Aster, Rough-leaved	IV-23	Gentian, Closed	IV-19	Marsh Marigold	I-5	Solidago serotina	IV-13
Aster, White Heathlike	IV-21	Gentian, Fringed	IV-25	Marsh Rosemary	III-23	Solomon's Seal	I-19
Aster, Willow-leaved Blue	IV-13	Gentiana Andreuxii	IV-19	Mayflower	I-3	Solomon's Seal, False	I-9
Baptisia tinctoria	IV-3	Gentiana crinita	IV-25	Meadow Beauty	III-17	Spiraea salicifolia	II-19
Bedstraw	III-11	Geranium maculatum	I-25	Meadowsweet	II-19	Spiraea tomentosa	II-19
Beggar-ticks	IV-11	Geranium Robertianum	IV-9	Milkweed, Common	III-9	Spiranthes cernua	IV-21
Bellwort	I-15	Geranium, Wild	I-25	Milkweed, Swamp	III-13	Star Flower	I-9
Bilens chrysanthemoides	IV-11	Gerardia, Purple	III-21	Milkwort	III-11, and IV-5	Statice Limonium var. Caro-	
Bidens frondosa	IV-11	Gerardia purpurea	III-21	Mitrewort, False	I-17	lineana	III-23
Birthroot	I-11	Golden-rod, Blue-stemmed	IV-21	Moccasin Flower	II-7	Steeple-bush	II-19
Black-eyed Susan	III-3	Golden-rod, Gray	IV-15	Monotropa uniflora	II-25	Stellaria longifolia	II-5
Bloodroot	I-7	Golden-rod, Lance-leaved	IV-19	Oaklea sessilifolia	I-15	Stitchwort, Long-leaved	II-5
Bluebell	IV-5	Golden-rod, Smooth	IV-13	Oenothera biennis	IV-7	St. John's-wort, Common	IV-7
Blue-eyed Grass	II-3	Golden-rod, White	IV-17	Orchis, Bearded	II-11	St. John's-wort, Upright-leaved	IV-7
Blue Flag, Larger	I-23	Goldthread	I-7	Orchis, Greenish-White	II-9	Sandew, Long-leaved	III-25
Bluets	II-3	Goodyera pubescens	III-3	Orchis, Ragged Fringed	II-9	Sunflower, Wild	III-25
Brunella vulgaris	III-11	Habenaria floerkei	II-9	Orchis, Smaller Green	II-9	Thimble-weed	II-21
Bur-Marigold, Largest	IV-11	Habenaria lacera	II-9	Orchis, Smaller Purple-Fringed	II-11	Tiarilla cordifolia	I-17
Calopogon pulchellus	II-11	Habenaria pycnodes	II-11	Oxalis acetosella	I-21	Touch-me-not	III-19
Calla palustris	I-5	Habenaria tridentata	II-9	Oxalis corniculata var. stricta	I-15	Tridentalis Americana	I-9
Campanula rotundifolia	IV-5	Hardhack	II-19	Paranip, Wild	I-25	Trifolium agrarium	III-23
Canada Mayflower	I-17	Harebell	IV-5	Pegonia ophioglossoides	II-11	Trillium erectum	I-11
Cardinal Flower	III-17	Heather, Bell	III-11	Polygala cruciata	IV-5	Trillium erythrocarpum	I-11
Centaury, American	III-5	Helianthus giganteus	III-25	Polygala, Fringed	I-19	Trillium, Painted	I-11
Chelone glabra	III-19	Hepatica triloba	I-3	Polygala paucifolia	I-19	Turtlehead	III-19
Chrysopsis falcata	III-7	Herb Robert	IV-9	Polygala polygama	III-11	Twin Flower	I-13
Clover, Yellow or Hop	III-23	Houstonia carulea	II-3	Polygonatum biflorum	I-19	Violet, Dog's-Tooth	I-7
Columbine	II-5	Hypericum adpressum	IV-7	Purple Flowering-Raspberry	II-17	Wake-Robin	I-11
Coptis trifolia	I-7	Hypericum perforatum	IV-7	Pyrola elliptica	II-7	Willow-herb, Hairy	III-15
Cranesbill	I-25	Impatiens pallida	III-19	Quaker Ladies	II-3	Wind-flower	I-13
Cypripedium acaule	II-7	Indian Pipe	II-25	Rattlesnake Plantain	III-3	Wood-Sorrel, White	I-21
Cypripedium spectabile	II-21	Indian Tobacco	II-15	Rhexia Virginica	III-17	Wood-Sorrel Yellow	I-15
Daisy Fleabane	III-13	Indian Turnip	I-21	Robin's Plantain	I-17	Zizia aurea	I-25

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