FLORA OF NOBLE COUNTY.

BY W. B. VAN GORDER.

REMARKS.

In 1884, after three seasons' careful work, a list of the plants of this county was published, enumerating nearly 700 species. The work has been continued since then, as time and opportunity permitted, and the few additions that have been made lead me to think that the present list comprises quite fully the flora of the county.

In some respects, the flora of Allen, Swan and Jefferson townships is much the same; that of Wayne, Orange and Green townships bears much resemblance; while the flora of the western half of the county contains many forms different from the eastern half of the county. Along the Elkhart River and its branches grow many plants common mostly to river territory. It is also noticeable that some plants common farther northward make their appearance here in our county, at the same time apparently being the northern limit of some of those common farther southward.

The following catalogue includes 724 species belonging to 99 orders, and grouped under 363 genera. Many of them here named are usually regarded as "weeds" and "wild grasses," many others as "wild flowers," while numerous others are our shrubs and valuable forest trees; but all of them have their value and place in the economy of nature.

In giving the names of the plants, the order as presented in Gray's Manual of the Flora of the Northern United States, 5th edition, has been strictly adhered to, although aware that several changes in nomenclature are now recognized. The common names of the plants have been added, as they will be of more interest to those who are not botanists. The locality and ranges of the plants, so far as observed, have also been given, along with such other information as is thought would be of general interest.

It is not likely that any of our native plants has yet been exterminated, as is the case in some places, but the cultivation of the soil, the pasturing of the woodlands, the draining of the marshes, is rapidly reducing their abundance. Some are already quite scarce from these causes, while along our railroads, roadsides, and in grainfields, new ones occasionally make their appearance.
CATALOGUE.

RANUNCULACEÆ—CROWFOOT FAMILY.


Anemone cylindrica, Gray. Long-fruited Anemone. A few specimens seen in Sparta Township.


purpureascens, L. Purplish Meadow-Rue. Common.

cornuti, L. Tall Meadow-Rue. Common.

Ranunculus divaricatus, Schrank. Water-Crowfoot. At one place in the lake at Rome City. Scarce.

aquatilis, L., var. trichophyllus, Chaix. White Water-Crowfoot. Plentiful at several places in the Elkhart River.


alismæfolijs, Geyer. Water Plantain Spearwort. At one place in Green Township, on roadside between sections 19 and 30. Rare.

abortivus, L. Small flowered Crowfoot. A common weed.


pennsylvanicus, L. Bristly Crowfoot. Scarce.


Isopyrum biternatum, Torr & Gray, False Rue-Anemone. Common at places in rich beech woods. May.

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AQUILEGIA CANADENSIS, L. Wild Columbine. Not common.
VULGARIS, L. Garden Columbine. Escaped from cultivation. Scarce.


The most of these plants of the Crowfoot family are handsome wild flowers.

MAGNOLIACEÆ.—MAGNOLIA FAMILY.

One representative, viz.:
LIRIODENDRON TULIPIFERA, L. White-wood. Poplar. A common and valuable forest tree.

ANONACEÆ.—CUSTARD-APPLE FAMILY.

One representative only:

ASYMIMA TRILoba, Dunal. Papaw. Common in all rich beech woods.

MENISPERMACEÆ.—MOONSEED FAMILY.

One representative, viz.:


BERBERIDACEÆ.—BARBERRY FAMILY.


NYMPHÆACEÆ.—WATER-LILY FAMILY.

BRASENIA PELTATA, Pursh. Water Shield. Common in a few of the lakes of the county.

NYMPHÆA TUBEROsa, Paine. Water-Lily. Common in most all the lakes in the county.

SARRACENIACEÆ.—PITCHER-PLANTS.


PAPAVERACEÆ.—POPPY FAMILY.


STYLOPHORUM DIPHYLLUM, Nutt. Celandine Poppy. Plentiful in a rich woods in Wayne Township. Sec. 32.

SANGUINARIA CANADENSIS, L. Blood-Root. Open rich woods; not common. April, May.

FUMARIACEÆ.—FUMITORY FAMILY.


CANADENSIS, DC. Squirrel Corn. With the last. Very common.

CRUCIFERÆ.—MUSTARD FAMILY.

NASTURTIUM OFFICINALE, R. Bs. True Water-Cress. Escaped from cultivation. Plentiful in several brooks and ditches in Orange Township.


ARABIS CANADENSIS, L. Sickle Pod. South shore High Lake; high banks of streams in woods. Scarce.

HIRSUTA, Scop. Scarce.


SISYMBRIUM OFFICINALE, Scop. Hedge Mustard. A very common, homely weed.
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Capsella bursa-pastoris, Mënch. Shepherd’s Purse. The commonest of weeds.

Lepidium virginicum, L. Wild Peppergrass. A common weed.

Violaceæ.—Violet Family.


Rostrata, Pursh. Long-spurred Violet. At places in dry beech woods. Not common.


Cistaceæ.—Rork-rose Family.


Droséraceæ.—Sundew Family.

Drosera rotundifolia, L. Round-leaved Sundew. Only a few specimens on the banks of a lake in Orange Township, sections 2 and 11.

Hypericaceæ.—St. John’s-wort Family.

Hypericum prolificum, L. Shrubby St. John’s-wort. A small patch on a roadside in Allen Township, between sections 26 and 27.


Canadense, L. St. Sohn’s-wort. Seen at a few places in Orange Township, on wet, sandy soil. Scarce.

CARYOPHYLLACEÆ.—Pink Family.

*Saponaria officinalis*, L. Common Soapwort. Bouncing Bet. Escaped from cultivation to roadsides; many places.


PORTULACACEÆ.—Purslane Family.

*Portulaca oleracea*, L. Common Purslane. A weed in every garden.

*Claytonia virginica*, L. Spring Beauty. A handsome wild flower, common in moist woods; April, May.

MALVACEÆ.—Mallow Family.

*Malva rotundifolia*, L. Common Mallow. Roadsides. Plentiful many places; also common around dwellings.


*Abutilon avicennæ*, Gærtn. Velvet-Leaf. A tall roadside weed, most abundant in the eastern part of the county.


TILIACEÆ.—Linden Family.

*Tilia americana*, L. Basswood. A common forest tree.
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LINACEÆ.—Flax Family.


Usitatissimum, L. Common Flax. Growing as a weed along railroads.

GERANIACEÆ.—Geranium Family.

Geranium maculatum, L. Wild Crane’s Bill. Common; April, July.


Fulva, Nutt. Spotted Touch-me-not. With the last, common.


RUTACEÆ.—Rue Family.

One representative, viz.:

Zanthoxylum americanum, Mill. Prickly Ash. A common shrub of rich woods.

ANACARDIACEÆ.—Cashen Family.


Toxicodendron, L. Poison Ivy. A common climbing shrub.

VITACEÆ.—Vine Family.

Vitis labrusca, L. Northern Fox-Grape. Occasional in thickets along the Elkhart River.


Ampelopsis quinquefolia, Michx. Virginian Creeper. A common woody climbing plant of rich grounds.

RHAMNACEÆ.—Buckthorn Family.

CELASTRACEÆ.—STAFF-TREE FAMILY.

Americanus, L. Strawberry Bush. One specimen only.
var. obovatus, Torr & Gray. Strawberry Bush. A very small shrub; common in all beech woods.

SAPINDACEÆ.—SOAPBERRY FAMILY.

var. nigrum. Black Sugar Maple.
Dasy carpum, Ehrhart. Silver Maple. Planted for shade trees. Also escaped.
Rubrum, L. Red or Swamp Maple. Common.

POLYGALACEÆ.—MILKWORT FAMILY.

Polygala verticillata, L. Milkwort. A few specimens seen in Orange and Washington townships.
Sanguinea, L. A few specimens seen in York Township, Sec. 15, 1892.

LEGUMINOSÆ.—PULSE FAMILY.

Trifolium arvense, L. Rabbit-foot Clover. Stone Clover. Dry fields and road sides throughout the western part of the county. Scarce.
Pratense, L. Red Clover. Cultivated.
ROBINIA PSEUDACACIA, L. Common Locust. Escaped from cultivation many places.


ASTRAGALUS CANADENSIS, L. Milk-Vetch. North shore Bear Lake and Diamond Lake.


ACUMINATUM, DC. Tick-Trefoil. With the last. Common.


CANADENSE, DC. Tick-Trefoil. Scarcce.


CILIARE, DC. Tick-Trefoil. A few specimens seen in York Township.


LATHYRUS OCHROLEUCOS, Hook. Vetchling. Everlasting Pea. Small patches of this plant are occasional throughout the county.


VAR. MYSTIFOLIUS. Marsh Vetchling. Occasional with the last.


BAPTISIA LECANTH, Torr & Gray. False Indigo. Two or three specimens have been seen in each of the following townships, viz.: Orange, Elkhart, Noble, Sparta, Perry and Swan.

CERCIS CANADENSIS, L. Red Bud. A small ornamental tree, rather common in thickets at places along the Elkhart River. Otherwise scarce.
Cassia Marylandica, L. Wild Senna. In rich soil along streams. Plentiful many places.

ROSACEAE—Rose Family.


Parviflora, Ait. Small-Flowered Agrimony. Along a roadside in Sparta Township, near Eagle Lake. Surprised to find this plant within the limits of Noble County.

Geum Album, Gmelin. Avens. A common homely herb.

Virginianum, L. Aveas. A common homely herb.


Potentilla Norvegica, L. Norway Cinquefoil. A common homely weed.

Canadensis, L. Common Cinquefoil, or Five-Finger. Common.

Argentea, L. Silvery Cinquefoil. On roadside east of Skinner Lake, Jefferson Township, and road side Section 11, York Township. Rare.

Fruticosa, L. Shrubby Cinquefoil. A shrub two to four feet high, with numerous yellow flowers. Common in low grounds along the Elkhart River, and in marshes around lakes at various places. August.


Rubus strigosus, Michx. Wild Red Raspberry. Thickets. Common at least in the eastern part of the county.


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Hispidus, L. Swamp-Blackberry. Low rich woods. Rather common.


Tomentosa, L. Black or Pear Thorn. Common.


Arbutifolia L. Choke-berry. Low grounds. Rather common.

Amelanchier Canadensis, T. & G.


Saxifragaceae.—Saxifrage Family.


Hirtellum, Michx. Wild Gooseberry. Scarce.


Parnassia Caroliniana, Michx. Grass of Parnassus. A pretty wild flower. Very common in the low rich meadows of York and Sparta townships; also common on low grounds along the Elkhart River, in Orange Township. August and September.


Crassulaceae.—Orpine Family.


Sedum acre, L. Mossy Stone-crop. Occasional on road sides.

Telephenum, L. Garden Orpine or Live-for-ever. Occasional on road sides.

Hamamelis Virginica, L. Witch Hazel. A common shrub.
HALORAGINAE.—WATER-MILFOIL FAMILY.

MYRIOPHYLLUM SPICATUM, L. Water-Milfoil. Plant found in deep water. A few specimens seen in the lake at Rome City. August.


ONAGRACEAE.—EVENING-PRIMROSE FAMILY.


ALPINA, L. Enchanter’s Nightshade. With the last, but not so abundant.

EPILOBium AUGUSTIFOLiUM, L. Great Willow-herb. A small patch in each of the following townships on the B. & O. R. R. track: Allen, Jefferson and York. A handsome plant, —five feet high, with numerous very showy flowers. June and July.


LUDWIGIA PALustrIS, Ell. Water Purslane. Common in Creeks, ditches, etc. August.

LYTHRACEAE.—LOOSESTRIFE FAMILY.

But one species so far known to be within the limits of Noble County, viz.:

CUCURBITACEÆ.—Gourd Family.

This order includes several of the most common cultivated plants, but only the following as wild plants in the State:

Echinocystis lobata, T. & G. Wild Balsam-apple. Waste places; also cultivated.

Sicyos angulatus, L. One-seeded Star-Cucumber. Scarce.

UMBELLIFERÆ.—Parsley Family.

Hydrocotyle umbellata, L. Water Pennywort. A small patch on the moist shore of a lake in Green Township, section 30; and another on the moist shore of Long Lake, in Wayne Township. Rare.


Daucus carota, L. Common Carrot. Escaped.

Heracleum lanatum, Michx. Cow-Parsnip. Scarce.

Pastinaca sativa, L. Common Parsnip. Escaped from cultivation.


Osmorrhiza longistyliis, DC. Sweet Cicely. June.


Erigenia bulbosa, Nutt. Harbinger-of-Spring. A delicate and very common little plant of all beech woods. April.

ARALIACEÆ.—Ginseng Family.


Tripolia, Dwarf Ginseng. Ground nut. A very delicate little plant, very common in beech woods. April, May.
CORNACEÆ.—Dogwood Family.

**Cornus Florida, L.** Flowering Dogwood. A small forest tree.

**Sericea, L.** Silky Cornel. Willow swamps. Common.

**Stolonifera, Michx.** Red-osier Dogwood. With the last. Common.


**Nyssa Multiflora, Wang.** Tupelo. Pepperidge. Black or sour gum. A few small trees seen in Orange and Wayne Townships, and several large ones on the bank of Tippecanoe Lake, Noble Township.

CAPRIFOLIACEÆ.—Honeysuckle Family.


**Lonicera Parviflora, Lam.** Small Honeysuckle. Not common.


**Sambucus Canadensis, L.** Common Elder.

**Pubens, Michx.** Red-berried Elder. Common, at least in the eastern part of the county.


**Prunifolium, L.** Black Haw. Common.

**Acerifolium, L.** Maple-leaved Arrow-wood. Very common in beach woods.

**Opulus, L.** Cranberry-tree. A few specimens seen in Jefferson Township, section 1. Rare.

RUBIACEÆ.—Madder Family.

**Galium Aparine, L.** Cleavers Goose-Grass. Common in rich woods.

**Asprellum, Michx.** Rough Bedstraw. Common in low thickets along streams.

**Trifidum, L.** Small Bedstraw. Very common.

**Var. Tinctorium, Gray.** Common.

**Var. Latifolium, Gray.** Common in swamps.

**Triflorum, Michx.** Sweet-scented Bedstraw. Common.

**Pilosum. Bedstraw.** Scarce.

**Cicaezans, Michx.** Wild Licorice. Common.


**Boreale, L.** Northern Bedstraw. Rather common.
CEPHALANTHUS OCCIDENTALIS, L. Button-bush. A very common shrub of swamps.

DIPSACEÆ.—TEASEL FAMILY.


COMPOSITÆ.—COMPOSITE FAMILY.

ASTER CORYMBOSUS, Ait. Aster. Woodlands. Common, at least in the eastern part of the county. August.
PATENS, Ait?. Aster. Scarce. Leaves usually contracted below the middle. August.
CORDIFOLIUS, L. Aster. Scarce.
DUMOSUS, L. Aster. Thickets, fence rows. Rather common.
NOVAE-ANGLIAE, L. Aster. Moist grounds of the northern and western part of the county. Common. August. Aster is far the most difficult of our genera. Gray.


PHILADELPHICUM, L. Common Fleabane. Moist grounds along streams. May and June.


ALTISSIMA, L. Golden-rod. The plant is not tall, as the name indicates. Woods. Common. August.


Solidago is a difficult genus.


POLYMNIA CANADENSIS, L. Leaf-cup. Common in rich woods.

SILPHIUM TEREBINTHINACEUM, L. Prairie Dock. Dry, open places of woods; northern and western part of the county. Not abundant.

TRIFOLIATUM, L. Prairie Dock. With the last. Common. Both are tall plants. August.

AMBROSIA TRIFIDA, L. Great Ragweed. At places along the Elkhart River. August.


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HIRTA, L. Cone-flower. Naturalized in meadows. Plant a foot or so high, with large, yellow flowers.
HELIANTHUS ANNUUS, L. Common Sunflower. Escaped from cultivation.
TUBEROSUS, L. Artichoke. As a weed in waste places. Rare.
CONNATA, Muhl. Swamp Beggar-ticks. Not so common as the last.
LEUCANTHEMUM VULGARE, Lam. Ox-eyed Daisy. A very troublesome weed that has been introduced at few places.
TANACETUM VULGARE, L. Common Tansy. Roadsides, some places.
ARTEMISIA BIENNIS, Willd. Wormwood. A very common weed of all waste places. September.


Arvense, Scop. Canada Thistle. Patches of Canada Thistle are numerous, but in most cases the plants are cropped to prevent the ripening of the seed; yet this is much neglected. At one place in an open woodland, at least a quarter of an acre of this pernicious pest had matured and the seed scattering broadcast with the wind.


Cichorium intybus, L. Cichory. Occasional on roadside.


Racemosus, Hook. Sections 7 and 22 Jefferson Township. A few specimens. Rare.


Scarola, L. Prickly Lettuce. This plant was first noticed in 1890. It is a bad weed and is becoming plentiful everywhere.

Sonchus asper, Vill. Spiny-leaved Thistle. A very common weed of fields and gardens.

Lobeliaceae.—Lobelia Family.


Kalmii, L. Lobelia. Very common in the low rich meadows of Sparta and York townships. August.
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CAMPANULACEÆ.—CAMPANULA FAMILY.


AMERICANA. Tall Bellflower. A very common plant of fence rows and roadsides. July-August.

SPECULARIA PERFOLIATA, A. DC. Venus, Looking-glass. A few specimens seen in Orange Township.

ERICACEÆ.—HEATH FAMILY.


VACCINUM MACROCARPON, Ait. Cranberry. Many marshes of this plant still exist throughout the county.


GAULTHERIA PROCUMBENS, L. Creeping Wintergreen. At one place in Orange Township.

CASSANDRA CALYCUlATA, D. Leather-Leaf. A small evergreen shrub plentiful at one place in Orange Township. (Section 2.)

ANDROMEDIA POLIFOLIA, L. Wild Rosemary. A small evergreen shrub, very common about Pleasant Lake, Noble Township. Sparingly at few other places.

PYROLIA ROTUNDIFOLIA, L. Shin leaf. In woods along the high banks of streams. Not common.

CHIMAPHILA UMBELLAT A, Nutt. Prince's Pine. Section 36, Allen Township, there is a small patch (about ten feet square) of this beautiful plant growing in a woods on my father's farm. Not noticed at any other place in the county.


AQUIFOLIACEÆ.—HOLLY FAMILY.


PLANTAGINACEÆ.—PLANTAIN FAMILY.


PRIMULACEÆ.—PRIMROSE FAMILY.

DODECATHEON MEADIA, L. American Cowslip. A few specimens seen in the rich meadows of Sparta Township. A very handsome wild flower. June.


LANCEOLATA, Walt. Loosestrife. Occasional in low grassy lands about lakes.


LENTIBULACEÆ.—BLADDERWORT FAMILY.


OROBANCHACEÆ.—BROOM-RAPE FAMILY.


SCROPHULARIACEÆ.—FIGWORT FAMILY.

VERBASCUM THAPSUS, L. Common Mullein.

VERBASCUM BLATTARIA, L. Moth Mullein. Roadsides. Western part of county. Scarce.


SCROPHULARIA NODOSA, L. Figwort. Fence rows General but not abundant.


ILYSANTHES GRATIOLOIDES, Benth. False Pimpernel. A small plant growing on the moist shores of ponds in fields.


GERARDIA PURPUREA, L. Purple Gerardia. A handsome wild flower, very common in the low, rich meadows of Sparta Township. Also at places in York Township. August.

TENUIFOLIA, Vahl. Slender Gerardia. Dry woods of western part of the county. Does not appear to be common.


PENDICULARIA, Benth. Foxglove. Scarce. Western part of county.

CASTILLEIA COCCINEA, Spreng. Scarlet painted cup Sandy, low grounds along the Elkhart River of Orange Township. Also at a few places in York Township. Not common. A beautiful plant.


VERBENACEÆ—VERVAIN FAMILY.

VERBENA HASTATA, L. Blue Vervain. A plant four to six feet high. Common everywhere along roadsides, waste places, etc. August.

BRACTEOSA, Michx. Creeping Vervain. Seen at only one place in the county. A small patch on a roadside in Allen Township. Rare. August.

PHRYMA LEPTOSTACHYA, L. Lopseed. A common plant of the woods, flowering in July.

LABIATÆ.—MINT FAMILY.


M. CANADENSIS, L. Wild Mint. Not common.


M. PUNCTATA, L. Horse Mint. Common.


HIRSUTA, Benth. Blephilia. Scarce.

NEPETA CATARIA, L. Catnip. Common.


SCUTELLARIA VERSICOLOR, Nutt. Skullcap. Sparingly along the Elkhart River.

GALERICULATA, L. Skullcap. Usually found growing in tamarack marshes. Scarce.

LATERIFLORA, L. Skullcap. Wet shady places. Rather common.

LEONURUS CARDIACA, L. Common Motherwort. Moist places, roadsides, etc. Rather common.


STACHYS PALUSTRIS, L.? Hedge-Nettle. Along the banks of streams. Scarce.
BORRAGINACEÆ.—Borage Family.

LITHOSPERMUM ARVENSE, L. Corn Gromwell. Sandy soil. Rather common some places.

L. LATIFOLIUM, Michx. Borders of woods. Rare.


L. CYNOGLOSSUM OFFICINALE, L. Common Hound’s-Tongue. A common weed of waste grounds and pastures.

L. MORISONI, DC. Beggar’s Lice. A common weed of woods, copses, etc.


HYDROPHYLLACEÆ.—Waterleaf Family.


POLEMONIACEÆ.—Polemonium Family.

L. POLEMONIUM REPTANS, L. Greek Valerian. In rich woods south of Tippecanoe Lake, Noble Township.

L. PHLOX PILOSA, L. Phlox. A pretty plant, common on sandy soil throughout the county. Growing in open woods, borders of thickets, etc. May, June.


CONVOLVULACEÆ.—Convolvulus Family.


L. CALYSTEGIA SEPTUM, R. Br. Hedge Bindweed. Seen at few places. Scarce.

CUSCUTA GRONOVII, Willd. Dodder. A herb, common everywhere in low rich grounds. The yellowish and thread-like stems climbing and twining over various other herbs and small shrubs. July, August.


Solanaceae.—Nightshade Family.

SOLANUM DULCAMARA, L. Bittersweet. General, but not abundant. June, September.


PHYSALIS PHILADELPHICA, Lam. Ground Cherry. In waste grounds, some places, where it has escaped from cultivation.


Gentianaceae.—Gentian Family.


GENTIANA QUINQUEFLORA, Lam. Five-flowered Gentian. At places along the banks of the lake at Rome City. September.

CRINITA, Froel. Fringed Gentian. A very pretty wild flower, growing in moist grounds along the Elkhart in Orange; also at several places in York. August, September.


BARTONIA TENELLA, Muhl. Bartonia. A small herb, a few specimens at one place on the moist shore of a lake in Orange. Rare. August.

MENYANTHES TRIFOLIATA, L. Buckbean. Moist shores of lakes—very common at Pleasant Lake, Noble Township. May, June.
APOCYNACEÆ—DOGBANE FAMILY.

APOCYNUM ANDROSÆMIFOLIUM, L. Spreading Dogbane. Rather common.
CANNABINUM, L. Indian Hemp. Common.

ASCLEPIADACEÆ.—MILKWEED FAMILY.

PHYTOLACCOIDES, Pursh. Poke Milkweed. Rather common.
PURPURASCENS, L. Purple Milkweed. Not common.
VARIEGATA, L. Variegated Milkweed. Scarce.
TUBEROSEA, L. Butterfly-weed. Pleurisy-root. Scarce in the eastern part of the county, but common in the western part.

OLEACEÆ.—OLIVE FAMILY.

FRAXINUS AMERICA, L. White Ash. A common and valuable forest tree.
SAMBUCIFOLIA, Lam. Black or Water Ash. A common tree of low grounds.
QUADRANGULATA, Michx. Blue Ash. A forest tree, not very plentiful.

ARISTOLOCHIAE.—BIRTHWORT FAMILY.


PHYTOLACCACEÆ.—POKEWEED FAMILY.


CHENOPOCIACEÆ.—GOOSEFOOT FAMILY.

CHENOPODIUM ALBUM. Pigweed. A very common homely weed.
AMARANTACEÆ.—AMARANTH FAMILY.


POLYGONACEÆ.—BUCKWHEAT FAMILY.


CAREYI, Olney. Prince's Feather. Reported from this county by the editors of the Botanical Gazette.

PENNSYLVANICUM, L. Moist places. Common.


HYDROPHEPOIDES, Michx. Wild Water Pepper. Not very plentiful.

AMPHIBIUM, L. Water Persicaria. Shallow water. Rather common.

VIRGINIANUM. Common in woods.

AVICULARE, L. Door-weed. The commonest weed in yards.

VAR. ERECTUM, Roth. Door-weed. Common everywhere with the last.

ARIOFOLIUM, L. Halbert-leaved Tear-thumb. Low grounds.

Common in the eastern part of county.

SAGITTATUM, L. Arrow-leaved Tear-thumb. Low grounds.

Common.

DUMETORUM, L. Climbing False Buckwheat. A common plant.


FAGOPYRUM ESCULENTUM, Moench. Buckwheat. Remaining as a weed in fields after cultivation.


ORISPUS, L. Curled Dock. A very common weed of cultivated grounds and waste places.

OBTUSIFOLIUS, L. Bitter Dock. With the last. Both are very unwelcome weeds of grain fields.

ACETOSELLA, L. Field or Sheep Sorrel. Dry fields and roadsides. Very common.
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LAURACEÆ.—LAURAL FAMILY.


THYMELÉACEÆ.—MEZEREUM FAMILY.


SANTALACEÆ.—SANDALWOOD FAMILY.


SAURURACEÆ.—LIZARD'S-TAIL FAMILY.


EUPHORBIACEÆ.—SPURGE FAMILY.

EUPHORBIA MACULATA, L. Spurge. A very common weed.
HYPERICIFOLIA, L. Spurge. Plant one or two feet high. Very common in all cultivated fields.
CORROLLATA, L. Flowering Spurge. Plant two to three feet high. Sandy soil. Very common.
CYPARISSIAS, L. Cypress Spurge. Escaped from gardens to roadsides, and has become quite abundant some places.
ACALYPHA VIRGINICA. Three-seeded Mercury. A very common homely weed.

URTICACEÆ.—NETTLE FAMILY.

ULMUS FULVA, Mich. Slippery or Red Elm. A common forest tree.
AMERICANA, L. White Elm. A very common forest tree.
Morus rubra, L. Red Mulberry. "General but not abundant."

Urtica gracilis, Ait. Nettle. A common weed of fence rows and moist grounds.


Humulus lupulus, L. Common Hop. Escaped from cultivation at some places, while at others it is probably native.

PLATANACEÆ.—PLANE-TREE FAMILY.


JUGLANDACEÆ.—WALNUT FAMILY.


Nigra, L. Black Walnut. A valuable forest tree.

Carya alba, Nutt. Shell-bark or Shag-bark Hickory. A common and valuable forest tree.

Sulcata, Nutt. Western Shill-bark Hickory. A valuable forest tree. Not so common as the last.

Porchina, Nutt. Pig-nut Hickory. A common forest tree.


CUPULIFERÆ.—OAK FAMILY.

Quercus alba, L. White Oak. A common and very valuable forest tree.

Macrocarpa, Michx. Burr Oak. A common and valuable forest tree.

Prinus, var. acuminata, Michx. Yellow Chestnut Oak. Valuable forest tree. Scarce.

Bicolor, Willd. Swamp White Oak. This species also affords excellent timber.

Imbricaria, Michx. Laurel or Shingle Oak. A few specimens seen in Orange, Green, Noble and Washington townships. A tree thirty to fifty feet high, with smooth shining leaves.
COCCINEA, Wang. Scarlet Oak. A large or middle-sized forest tree, with much the appearance of the common Red Oak. Scarce.


RUBRA, L. Red Oak. A very common and well-known forest tree. Timber used for rails.

PALUSTRIS, Du Roi. Pin Oak. Swamp or Spanish Oak. Scarce.

FAGUS FERRUGINEA, Ait. American Beech. A common forest tree which affords excellent timber for fuel.


BENTULACEÆ.—BIRCH FAMILY.

BETULA LENTA, L. Cherry Birch. Sweet or Black Birch. A few specimens seen in Orange Township in a low moist woods west of Wolcottville. There is also a marsh of several acres of birch, section 15, York Township; another, section 7, Jefferson Township. A middle-sized tree with cherry-like leaves, and sweet, aromatic bark with the fragrance of Wintergreen. Rare in Indiana.

ALNUS SERRULATA, Ait. Smooth Alder. A small shrub, common on the borders of ponds, in peat bogs.

SALICACEÆ.—WILLOW FAMILY.


DISCOLOR. Glaucous Willow. Borders of ponds, etc. Common.


LUCIDA, Muhl. Shining Willow. Most plentiful in the "flats" along the Elkhart River. A handsome species.

MYRTILLOIDES, L. Myrtle Willow. Quite a small shrub growing in cold peat bogs with cranberry vines. Not common.


CONIFERÆ.—PINE FAMILY.


JUNIPERUS VIRGINIANA, L. Red Cedar. Several small trees on the north shore of Bear Lake.

ARACEÆ.—ARUM FAMILY.


CALA PALUSTRIS, L. Water Arum. In a swamp, in Orange, west of Wolcottville, on roadside; also on roadside south of Tippecanoe Lake, Noble Township, and section 17, Elkhart Township. A beautiful and interesting plant growing in shallow water. June.

SYMPLOCARPUS FETIDUS, Salisb. Skunk Cabbage. Moist grounds of woods and fields many places. April.


LEMNACEÆ.—DUCKWEED FAMILY.


POLYRRHIZA, L. Duck-meat. With the last. Very common.
Wolffia Columbiana, Karsten. Wolffia. "The simplest and smallest of flowering plants."—Gray. The plant floating as little grains near the surface of stagnant water.

Brasiliensis, Weddell. Wolffia. With the last. Plentiful at places in the lake at Rome City.

**TYPHACEÆ.—CAT-TAIL FAMILY.**

*Typha latifolia, L.* Common Cat-tail or Reed-mace. Swamps.


* simplex, Hudson.* Bur-reed. Not so common as the last.

**NAIADACEÆ.—PONDWEED FAMILY.**


**ALISMACEÆ.—WATER-PLANTAIN FAMILY.**


*variabilis, var. Augustifolia, Gray.* At places in the western part of the county.

*Graminea, Michx.* Growing in shallow water and mud. Not common.

**HYDROCHARIDACEÆ.—FROG’S-BIT FAMILY.**


**ORCHIDACEÆ.—ORCHIS FAMILY.**


HOOlEKERI, Torr. Hooker's Orchis. Three specimens, the only ones that have been found in the State. June.


LEUCOPHAEA, Gray. White-flowered Prairie Orchis. Common at Pleasant Lake, Noble Township. This plant has not been found at any other place in the State. July.


SPIRANTHES LATIFOLIA, Torr. Ladies' Tresses. A few specimens at Wible Lake, Wayne Township, the only ones that have been found in the State. June.


GRACILIS, Bigelow. Ladies' Tresses. Two specimens. Section 15, York Township, August, 1892.


SPECTABILE, Swartz. Showy Ladies' Slipper. Moist, shady places of tamarack swamps, bogs, etc. Scarce. Plant two feet high, very handsome, the most beautiful of the genus. June.

PARBIFLORUM, Salish. Smaller, Yellow Ladies' Slipper. A few specimens in Birch Marsh, section 7, Jefferson Township, June, 1893.
**FLORA OF NOBLE COUNTY.**

**ACAULE, Ait. Stemless Ladies' Slipper.** "In a tamarack swamp in Noble County."—Editors of the Botanical Gazette, 1881.

The plants of the Orchis family are among the most interesting of our herbs. All are remarkable for their beauty, and especially for the curious structure of the flowers. Several of these here mentioned were once, probably, quite common; but the pasturing of the woodlands, and the draining of the low grounds, has nearly exterminated them.

**AMARYLLIDACEÆ.—AMARYLLIS FAMILY.**

**HYPOXYIS ERECTA, L. Star-grass.** Sandy shores of moist meadows of Sparta and York townships. Rare.

**IRIDACEÆ.—IRIS FAMILY.**

**IRIS VERSICOLOR, L. Blue Flag.** Wet places. Very common. May, June.

**SISYRINCHIUM BERMUDIANA, L. Blue-eyed Grass.** A handsome little wild flower, growing in moist meadows among grass. Plentiful, but not everywhere. June, July.

**DIOSCOREACEÆ.—YAM FAMILY.**

**DIOSCOREA VILLOSA, L. Wild Yam-root.** In thickets along streams. Not rare.

**SMILACEÆ.—SMILAX FAMILY.**


**HISPIDA, Muhl. Hispid Greenbrier.** Much like the last. Thickets along streams. Rather common.

**HERBACEA, L. Carrion Flower.** Plant not prickly. Not common.

**LILIACEÆ.—LILY FAMILY.**


**GRANDIFLORUM, Salisb. Large White Trillium or Wakerobin.** Widely scattered, but quite abundant some places. Woods. June.


TOFIELDIA GLUTINOSA, Willd. False Asphodel. Moist grounds along the Elkhart River in Orange Township. June, August.


GIGANTEUM, Dietrich. Great Solomon's Seal. Western part of county. Plant growing in fence rows, open woods, etc. Not very common.

ASPARAGUS OFFICINALIS, L. Garden Asparagus. Cultivated in gardens, but rarely escaped into waste places.


CERNUUM, Roth. Wild Onion. Seen at a few places in the western part of the county. Dry banks of open woodlands, etc. Scarce. July.

JUNCACEÆ.—Rush Family.


Tenuis, Willd. Rush. A wiry-stemmed plant, ten to fifteen inches high. Very common everywhere in moist grounds of fields, roadsides, yards, etc.


PONTEDERIACEÆ.—Pickerel-weed Family.

Pontederia cordata, L. Pickerel-weed. A showy herb, two feet high, bearing a single stemleaf and a spike of blue flowers. Plant growing in the shallow water of the muddy shores of lakes and ditches. Very plentiful at the lakes, section 30, Green Township. Sparingly at several other places, but mostly of the western part of the county. July, September.


COMMELINACEÆ.—Spiderwort Family.


CYPERACEÆ.—Sedge Family.

Cyperus diandrus, L. Moist grounds. Common. August.

Strigosus, L. Moist grounds. Common.


The above five plants are most plentiful in the western part of the county.


FLORA OF NOBLE COUNTY.

TUCCERMANI, Bott? Sedge. Low places of woods. Rather common.
The Sedges are usually known as “wild grasses.”

GRAMINEÆ.—GRASS FAMILY.

ALOPECURUS ARISTULATUS, Michx. Wild Foxtail Grass. In water and wet places. A few specimens seen in Orange and Green townships. June. Rare in Indiana.


Muhlenbergia diffusa, Schreber. Drop-seed Grass. Rather common.


Spartina cynosuroides, Willd. Fresh-water Cord-Grass. A few specimens seen in a marsh in Noble Township. Plant three to six feet high; leaves narrow, about one-half inch wide, and two to four feet long. Rare in Indiana. August.


Eatonia pennsylvanica, Gray. Moist woods. Scarce.


Poa annua, L. L. Low Spear-Grass. Very common.


Hordeum jubatum, L. Squirrel-tail Grass. A few specimens seen in the western part of the county. Rare in Indiana.

Panicum capillare, L. Old-witch Grass. Sandy soil and cultivated fields in the northern and western part of county. Not abundant.


SETARIA GLAUC. Foxtail Grass. Common.

VIKIDIS. Green Foxtail Grass. Common.

CENCHRUS TRIBULOIDES, L. Bur Grass. Seen at few places on sandy soil, where it has probably been introduced. A troublesome weed.


EQUISETACEAE.—HORSE-TAIL FAMILY.


FILICES.—Ferns.

POLYPODIUM VULGARE, L. Polypody Fern. A common plant of moist woods.


PTERIS AQUILINA, L. Brake Fern. Scarce.

ASPLENIUM ANGUSTIFOLIUM, Michx. Spleenwort Fern. Moist woods. Rather common.


CLAYTONIANA, L. Flowering Fern.

CINNAMOMEA, Cinnamon Fern.

These three species grow in low, wet woods, and in swamps; and are the largest of the ferns. Specimens four to six feet in height are common.