

# 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.

- CLEMATIS VIRGINIANA**, L. Common Virgin's Bower. Scarce. Aug.  
**ANEMONE CYLINDRICA**, Gray. Long-fruited Anemone. A few specimens seen in Sparta Township.  
**VIRGINIANA**, L. Virginiana Anemone. Not common. July.  
**PENNSYLVANICA**, L. Pennsylvanian Anemone. Not common. June.  
**NEMOROSA**, L. Wind-flower. Wood Anemone. Plentiful at one place in Orange Township, section 10. A few specimens seen in York and Jefferson Townships. May.  
**HEPATICAC ACUTILOBA**, DC. Liver-leaf. Common.  
**THALICTRUM ANEMONOIDES**, Michx. Rue-Anemone. Common in sandy soil.  
**DIOICUM**, L. Early Meadow-Rue. Common in woods,—early spring.  
**PURPURASCENS**, 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.  
**MULTIFIDUS**, Pursh. Yellow Water-Crowfoot. Common.  
**ALISMÆFOLIUS**, 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.  
**SCCELERATUS**, L. Cursed Crowfoot. Growing in a ditch on roadside north of Kendallville, 1886.  
**RECURVATUS**, Poir. Hooked Crowfoot. Common.  
**PENNSYLVANICUS**, L. Bristly Crowfoot. Scarce.  
**FASCICULARIS**, Muhl. Early Crowfoot. Common. April, May.  
**REPENS**, L. Creeping Crowfoot. Moist woods. Common. May, July.  
**BULBOSUS**, L. Bulbous Crowfoot. Roadsides. Very scarce. May, July.  
**ISOPYRUM BITERNATUM**, Torr & Gray, False Rue-Anemone. Common at places in rich beech woods. May.  
**CALTHA PALUSTRIS**, L. Marsh Marigold. Common. May.

*COPTIS TRIFOLIA*, SALISB. Three-leaved Goldthread. Common in a few tamarack marshes. May.

*AQUILEGIA CANADENSIS*, L. Wild Columbine. Not common.

*VULGARIS*, L. Garden Columbine. Escaped from cultivation. Scarce.

*DELPHINIUM CONSOLIDA*, L. Field Larkspur. Escaped. Scarce.

*HYDRASTIS CANADENSIS*, L. Orange-root. Yellow puccoon. Rich woods. Very scarce. May.

*ACTÆA ALBA*, Bigel. White Baneberry. Rich woods. Common. Early spring.

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:

*ASIMINA TRILOBA*, Dunal. Papaw. Common in all rich beech woods.

MENISPERMACEÆ.—MOONSEED FAMILY.

One representative, viz.:

*MENISPERMUM CANADENSE*, L. Canadian Moonseed. Common.

BERBERIDACEÆ.—BARBERRY FAMILY.

*CAULOPHYLLUM THALICTROIDES*, Michx. Blue Cohosh. Pappoose Root. Rich woods. Common.

*PODOPHYLLUM PELTATUM*, L. May Apple. Mandrake. Common.

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.

*NUPHAR ADVENA*, Ait. Yellow Pond-Lily. Spatter Dock. Very common. Swamps and lakes.

## SARRACENIACEÆ.—PITCHER-PLANTS.

- SARRACENIA PURPUREA*, L. Side Saddle Flower. Pitcher-Plant.  
Huntsman's Cup. Peat bogs. Common.

## PAPAVERACEÆ.—POPPY FAMILY.

- PAPAVER SOMNIFERUM*, L. Common Poppy. Escaped from cultivation. Scarce.  
*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.

- DICENTRA CUCULLARIA*, DC. Dutchman's Breeches. Rich woods.  
Very common. April, May.  
*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 Lownship.  
*PALUSTRE*, DC. Marsh Cress. Common. June.  
*ARMORACIA*, Fries. Horshradish. Escaped from cultivation.  
*DENTARIA LACINIATA*, Muhl. Pepper-Root. Rich woods. Common.  
April, May.  
*CARDAMINE RHOMBOIDEA*, DC. Spring Cress. Wet meadows. Common. April, June.  
*VAR PURPUREA*, Torr. Spring Cress. Rich woods. Common.  
April, May.  
*HIRSUTA*, L. Small Bitter Cress. Wet soils. Rather common. June.  
*ARABIS CANADENSIS*, L. Sickle Pod. South shore High Lake; high banks of streams in woods. Scarce.  
*HIRSUTA*, Scop. Scarce.  
*LAEVIGATA*, DC. Rock Cress. On creek bank south of Albion. Scarce.  
*SISYMBRIUM OFFICINALE*, Scop. Hedge Mustard. A very common, homely weed.

- BRASSICA NIGRA*, Koch. Black Mustard. Escaped from cultivation. Common.
- CAPSELLA BURSA-PASTORIS*, Moench. Shepherd's Purse. The commonest of weeds.
- LEPIDIUM VIRGINICUM*, L. Wild Peppergrass. A common weed.

## VIOLACEÆ.—VIOLET FAMILY.

- VIOLA BLANDA*, Willd. Sweet White Violet. Common.
- CUCULLATA*, Ait. Blue Violet. Common.
- PEDATA*, L. Bird-foot Violet. Common on hills north of Diamond Lake, 1887. Our finest species.
- ROSTRATA*, Pursh. Long-spurred Violet. At places in dry beech woods. Not common.
- STRIATA*, Ait. Pale Violet. Common.
- CANADENSIS*, L. Canada Violet. Rich wood. Common.
- PUBESCENS*, Ait. Downy Yellow Violet. Common in the woods.

## CISTACEÆ.—ROSE-FAMILY.

- HELIANTHEMUM CANADENSE*, Michx. Frost Weed. Sandy soil. Sparta and Orange Township. Not common.

## DROSERACEÆ.—SUNDEW FAMILY.

- DROSEROTA 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.
- PYRAMIDATUM*, Ait. Great St. John's-wort. Scarce.
- PERFORATUM*, L. Common St. John's-wort. On roadside in Orange Township, section 20. Scarce.
- CORYMBOSUM*, Muhl. St. John's-wort. Not common.
- CANADENSE*, L. St. John's-wort. Seen at a few places in Orange Township, on wet, sandy soil. Scarce.
- ELODES VIRGINICA*, Nutt. Marsh St. John's-wort. Rather common.

## CARYOPHYLLACEÆ.—PINK FAMILY.

- SAPONARIA OFFICINALIS, L. Common Soapwort. Bouncing Bet. Escaped from cultivation to roadsides; many places.
- SILENE STELLATA, Ait. Starry Champion. A few specimens seen in Noble and Washington Townships; July.
- VIRGINICA, L. Fire Pink. Catchfly. Rich Woods. Not common; June.
- NOCTIFLORA, Muhl. Night Flowering Catchfly. Wayside and waste places. Scarce.
- LYCANIS GITHAGO, Lam. Corn Cockle. "Cockle." A weed in wheat fields. Common.
- STELLARIA MEDIA, Smith. Common Chickweed. Everywhere in damp grounds.
- LONGIFOLIA, Muhl. Long-leaved Stitchwort. Wet grassy place. Rather common.
- CERASTIUM VISCOSUM, L. Mouse-eared Chickweed. Fields. Common; June.
- MOLLUGO VERTICILLATA, L. Carpetweed. Sandy ground, York Township. Not plentiful.

## 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.
- MOSCHATA, L. Musk Mallow. Roadsides. Scarce.
- ABUTILON AVICENNÆ, Gærtn. Velvet-Leaf. A tall roadside weed, most abundant in the eastern part of the county.
- HIBISCUS TRIONUM, L. Bladder Ketmia. Escaped from cultivation. Scarce.

## TILIACEÆ.—LINDEN FAMILY.

- TILIA AMERICANA, L. Basswood. A common forest tree.

LINACEÆ.—FLAX FAMILY.

- LINUM VIRGINIANUM, L. Flax. Dry Oak woods. Common.  
 USITATISSIMUM, L. Common Flax. Growing as a weed along  
 railroads.

GERANIACEÆ.—GERANIUM FAMILY.

- GERANIUM MACULATUM, L. Wild Crane's-Bill. Common; April, July.  
 IMPATIENS PALLIDA, Nutt. Pale Touch-me-not. Common; July.  
 FULVA, Nutt. Spotted Touch-me-not. With the last, common.  
 OXALIS STRICTA, L. Yellow Wood-sorrel. Cultivated fields. Com-  
 mon; May, September.

RUTACEÆ.—RUE FAMILY.

One representative, viz.:

- ZANTHOXYLUM AMERICANUM, Mill. Prickly Ash. A common shrub  
 of rich woods.

ANACARDIACEÆ.—CASHEN FAMILY.

- RHUS TYPHINA, L. Staghorn Sumach. Hillsides. Common.  
 GLABRA, L. Smooth Sumach. Common. Sandy soil.  
 VENENATA, DC. Poison Sumach. Swamps. Common.  
 TOXICODENDRON, L. Poison Ivy. A common climbing shrub.

VITACEÆ.—VINE FAMILY.

- VITUS LABRUSCA, L. Northern Fox-Grape. Occasional in thickets  
 along the Elkhart River.  
 ÆSTIVALIS, Michx. Summer Grape. Thickets. Not common.  
 CORDIFOLIA, Michx. Winter or Frost Grape. Thickets. Com-  
 mon.  
 AMPELOPSIS QUINQUE FOLIA, Michx. Virginian Creeper. A common  
 woody climbing plant of rich grounds.

RHAMNACEÆ.—BUCKTHORN FAMILY.

- CEANOTHUS AMERICANUS, L. New Jersey Tea. Red Root. A small  
 shrub, common in sandy dry woodlands, especially in  
 Wayne, Orange, Sparta and York townships. July.

## CELASTRACEÆ.—STAFF-TREE FAMILY.

- CELASTRUS SCANDENS, L. Wax-work. Climbing Bitter Sweet. A climbing shrub. Not common.
- EUONYMUS ATROPURPUREUS, Jacq. Burning-Bush. Waahoo. In thickets along streams. Scarce.
- 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.

- STAPHYLEA TRIFOLIA, L. American Bladdernut. A shrub in thickets along streams. Scarce.
- AESCULUS GLABRA, Wild. Buckeye. A common forest tree.
- ACER SACCHARINUM, Wang. Sugar or Rock Maple. A common forest tree.
- VAR. NIGRUM. Black Sugar Maple.
- DASYCARPUM, Ehrhart. Silver Maple. Planted for shade trees. Also escaped.
- RUBRUM, L. Red or Swamp Maple. Common.
- NEGUNDO ACEROIDES, Mœnch. Ash-leaved Maple. Box-Elder. Rich soil. Along streams. Scarce.

## POLYGALACEÆ.—MILKWORT FAMILY.

- POLYGALA VERTICILLATA, L. Milkwort. A few specimens seen in Orange and Washington townships.
- SENEGA, L. Seneca Snakeroot. Sandy soil of woods. Scarce.
- SANGUINEA, L. A few specimens seen in York Township, Sec. 15, 1892.

## LEGUMINOSÆ.—PULSE FAMILY.

- LUPINUS PERENNIS, L. Wild Lupine. Common on sandy soil.
- 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.
- REPENS, L. White Clover. Common.
- HYBRIDUM, L. Alsike Clover. Common.
- MELILOTUS ALBA, Lam. White Melilot. Sweet Clover. Escaped to waste grounds.



- ROBINIA PSEUDACACIA, L. Common Locust. Escaped from cultivation many places.
- TEPHROSIA VIRGINIANA, Pers. Goat's Rue. North shore Bear Lake and Diamond Lake.
- ASTRAGALUS CANADENSIS, L. Milk-Vetch. North shore Bear Lake and Diamond Lake.
- DESMODIUM NUDIFLORUM, DC. Tick-Trefoil. Rich woods. Common. August.
- ACUMINATUM, DC. Tick-Trefoil. With the last. Common.
- ROTUNDIFOLIUM, DC. Tick-Trefoil. Sandy dry woods. Not common.
- DILLENII, Darlengt. Tick-Trefoil. Open woodlands. Rather common.
- PANICULATUM, DC. Tick-Trefoil. Open woods. Not common.
- CANADENSE, DC. Tick-Trefoil. Scarce.
- RIGIDUM, DC.? Tick-Trefoil. Woods. August.
- CILIARE, DC. Tick-Trefoil. A few specimens seen in York Township.
- LESPEDEZA VIOLACEA, Pers. Bush Clover. Rather common on sandy soil.
- VICIA CAROLINIANA, Walt. Vetch. Very common in Orange, Green and York townships. Sandy open woodlands.
- AMERICANA, Muhl. Vetch. Occasional with the last. Plentiful north shore Bear Lake.
- LATHYRUS OCHROLEUCUS, Hook. Vetchling. Everlasting Pea. Small patches of this plant are occasional throughout the county.
- VENOSUR, Muhl. A small patch in fence corner on road side, Section 16, Washington Township. A rare plant. 1888.
- PALUSTRIS, L. Marsh Vetchling. In marshes about lakes. Not common.
- VAR. MYSTIFOLIUS. Marsh Vetchling. Occasional with the last.
- APIOS TUBEROSA, Mœnch. Ground-nut. Wild Bean. In thickets of rich low grounds. Rather common.
- PHASEOLUS PERENNIS, Walt. Wild Bean. Thickets. Scarce.
- BAPTISIA LECANTHA, 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 MARILANDICA, L. Wild Senna. In rich soil along streams. Plentiful many places.
- GYMNOCLADUS CANADENSIS, Lam. Kentucky Coffee-tree. Scarce.
- GLEDITSCHIA TRIACANTHOS, L. Honey-Locust. Rich soil along streams. Not common.

## ROSACEÆ—ROSE FAMILY.

- PRUNUS AMERICANA, Marshall. Wild Plum. Common.
- VIRGINIANA, L. Choke-Cherry. Fence rows. Common.
- SEROTINA, Ehrhart. Wild Black Cherry. Common.
- SPIRAEA SALICIFOLIA, L. Common Meadow-Sweet. Low grounds everywhere. July.
- TOMENTOSA, L. Steeple Bush. A few specimens seen in Birch Marsh, Section 15, York Township.
- AGRIMONIA EUPATORIA, L. Common Agrimony. Fence rows and borders of wood. Common.
- 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. Avens. A common homely herb.
- RIVALE, L. Water Avens. Birch Marsh, Section 7, Jefferson Township. Rare.
- POTENTILLA NORVEGICA, L. Norway Cinque-foil. A common homely weed.
- CANADENSIS, L. Common Cinque-foil, or Five-Finger. Common.
- ARGENTEA, L. Silvery Cinque-foil. On road side east of Skinner Lake, Jefferson Township. and road side Section 11, York Township. Rare.
- FRUTICOSA, L. Shrubby Cinque-foil. 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.
- PALUSTRIS, Scop. Marsh Five-Finger. In cranberry marshes. Rather common. June.
- FRAGARIA VIRGINIANA, Ehrhart. Wild strawberry. Common.
- RUBUS STRIGOSUS, Michx. Wild Red Raspberry. Thickets. Common at least in the eastern part of the county.
- OCCIDENTALIS, L. Black Raspberry. Common.
- VILLOSUS, Ait. Blackberry. Common.
- CANADENSIS, L. Low Blackberry. Dewberry. Sandy soil. Common.

- HISPIDUS, L. Swamp-Blackberry. Low rich woods. Rather common.
- ROSA CAROLINA, L. Swamp Rose. Common.
- PARVIFLORA, Ehrhart. (R. LUCIDA, PH.) Dwarf Wild Rose. Common.
- RUBIGINOSA, L. Sweet Brier. Occasional.
- CRATÆGUS COCCINEA, L. Scarlet-fruited Thorn. Common.
- TOMENTOSA, L. Black or Pear Thorn. Common.
- CRUS-GALLI, L. Cock-spur Thorn. Common.
- PYRUS CORONARIA, L. American Crab-Apple. Sandy woods. Common.
- ARBUTIFOLIA L. Choke-berry. Low grounds. Rather common.
- AMELANCHIER CANADENSIS, T. & G.  
June-berry. Shad-bush. Service-berry. Common.

SAXIFRAGACEÆ —SAXIFRAGE FAMILY.

- RIBES CYNOSBATI, L. Wild Gooseberry. Woods. Common.
- HIRTELLUM, Michx. Wild Gooseberry. Scarce.
- FLORIDUM, L. Wild Black Currant. Woods and fence rows. Common.
- 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.
- SAXIFRAGA PENNSYLVANICA, L. Swamp Saxifrage. A homely herb. Common in marshes. June.
- HEUCHERA AMERICANA, L. Alum-root. Hillsides and fence rows. Not common.
- MITELLA DIPHYLLA, L. Mitre wort. A delicate little plant. Common in rich woods. May.

CRASSULACEÆ.—ORPINE FAMILY.

- PENTHORUM SEDOIDES, L. Ditch Stone-crop. A very common herb.
- SEDUM ACRE, L. Mossy Stone-crop. Occasional on road sides.
- TELEPHINUM, L. Garden Orpine or Live-for-ever. Occasional on road sides.

HAMAMELACEÆ.—WITCH HAZEL FAMILY.

- One representative within our limits, viz. :  
HAMAMELIS VIRGINICA, L. Witch Hazel. A common shrub.

## HALORAGÆÆ.—WATER-MILFOIL FAMILY.

- MYRIOPHYLLUM SPICATUM, L. Water-Milfoil. Plant found in deep water. A few specimens seen in the lake at Rome City. August.
- PROSERPINACA PALUSTRIS, L. Mermaid-weed. In wet swamps, growing with smart weed. Very common many places. August.

## ONAGRACEÆÆ.—EVENING-PRIMROSE FAMILY.

- CIRCAÆ LUTETIANA, L. Enchanter's Nightshade. A little inconspicuous plant of woods. Common.
- ALPINA, L. Enchanter's Nightshade. With the last, but not so abundant.
- EPILOBIUM ANGUSTIFOLIUM, 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.
- PALUSTRE, L., VAR. LINEARE. Willow-herb. Peat bogs. Rather common.
- COLORATUM, Muhl. Willow-herb. Woods and fields. Common. August.
- CENOTHERA BIENNIS, L. Common Evening Primrose. Fields, fence rows and waist places. Very common. July—September.
- PUMILA, L.? Sundrops. Open woodlands. York and Orange townships. June.
- LUDWIGIA PALUSTRIS, Ell. Water Purslane. Common in Creeks, ditches, etc. August.

## LYTHRACEÆÆ.—LOOSESTRIFE FAMILY.

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

- NESAEA VERTICILLATA, H. B. K. Swamp Loosestrife. Growing around the shore of lakes. Stems 2-8 feet long bending to the water and bearing many fine rose purple flowers. Common several places. August.

## 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.  
*SANICULA CANADENSIS*, L. Black Snakeroot. Woods. Common.  
     *MARILANDICA*, L. Black Snakeroot. Common.  
*DAUCUS CAROTA*, L. Common Carrot. Escaped.  
*HERACLEUM LANATUM*, Michx. Cow-Parsnip. Scarce.  
*PASTINACA SATIVA*, L. Common Parsnip. Escaped from cultivation.  
*ARCHANGELICA ATROPURPUREA*, Hoffm. Great Angelica. Occasional on low grounds along the branches of the Elkhart River. A tall coarse plant.  
*CONIOSELINUM CANADENSE*, T. & G. Hemlock-Parsley. In low marshes around lakes. Scarce.  
*THASPIUM TRIFOLIATUM*, Gray, Meadow Parsnip. Dry woods. Rather common.  
*CICUTA MACULATA*, L. Spotted Cowbane. Common.  
     *BULBIFERA*, L. Spotted Cowbane. Growing in swamps with smartweed. Not common.  
*SIMUM LINEARE*, Michx. Water-Parsnip. Common.  
*CRYPTOTAENIA CANADENSIS*, DC. Honewort. Thickets. June.  
*OSMORRHIZA LONGISTYLIS*, DC. Sweet Cicely. June.  
     *BREVISTYLIS*, DC. Sweet Cicely. Moist woods. Common.  
*ERIGENIA BULBOSA*, Nutt. Harbinger-of-Spring. A delicate and very common little plant of all beech woods. April.

## ARALIACEÆ.—GINSENG FAMILY.

- ARALIA RACEMOSA*, L. Spikenard. Rich woods. Scarce.  
     *NUDICAULIS*, L. Wild Sarsaparilla. Rich woods. Rather common.  
*QUINQUEFOLIA*, D. & P. Ginseng. Rich woods. Very scarce.  
*TRIFOLIA*, 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.  
 PANICULATA, L. Her. Panicked Cornel. Thickets. Scarce.  
 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.

- SYMPHORICARPUS VULGARIS, Michx. Indian Currant. Coral-berry.  
 Escaped. Occasional.  
 LONICERA PARVIFLORA, Lam. Small Honeysuckle. Not common.  
 TRIOSTEUM PERFOLIATUM, L. Fever-wort. Horse Gentian. Not common.  
 SAMBUCUS CANADENSIS, L. Common Elder.  
 PUBENS, Michx. Red-berried Elder. Common, at least in the  
 eastern part of the county.  
 VIBURNUM LENTAGO, L. Sweet Viburnum. Sheep-berry. Common.  
 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 thick-  
 ets 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.  
 CICAENZANS, Michx. Wild Licorice. Common.  
 LANCEOLATUM, Torr. Wild Licorice. Dry woods. Not com-  
 mon.  
 BOREALE, L. Northern Bedstraw. Rather common.

*CEPHALANTHUS OCCIDENTALIS*, L. Button-bush. A very common shrub of swamps.

*MITCHELLA REPENS*, L. Partridge-berry. A trailing little evergreen herb of dry woods. Common.

DIPSACEÆ.—TEASEL FAMILY.

*DIPSACUS SYLVESTRIS*, Mill. Wild Teasel. A roadside weed. Too common.

COMPOSITÆ.—COMPOSITE FAMILY.

*VERNONIA NOVEBORACENSIS*, Willd. Iron-weed. A tall coarse weed with purple flowers, growing in low grounds, pastures, etc. Common; August.

*FASCICULATA*, Michx. Iron-weed. Too near the last. Growing along the Elkhart River. Not common.

*LIATRIS SCARIOSEA*, Willd. Blazing Star. Dry soil. Rather common.

*SPICATA*, Willd. Blazing Star. Moist grounds along the Elkhart River. Very common some places. August. Both are handsome plants.

*EUPATORIUM PURPUREUM*, L. Joe-Pye Weed. Trumpet Weed. A tall stout plant with purple flowers and leaves three to six in a whorl. Low grounds. Common. August.

*PERFOLIATUM*, L. Thoroughwort. Boneset. One of the commonest of plants of all low grounds. August.

*AGERATOIDES*, L. White Snakeroot. Rich woods. Common. August.

*ASTER CORYMBOSUS*, Ait. Aster. Woodlands. Common, at least in the eastern part of the county. August.

*MACROPHYLLUS*, L. Aster. With the last. Common. August.

*PATENS*, Ait?. Aster. Scarce. Leaves usually contracted below the middle. August.

*CORDIFOLIUS*, L. Aster. Scarce.

*DUMOSUS*, L. Aster. Thickets, fence rows. Rather common.

*TRADESCANTI*, L. Aster. Moist, shady grounds. Common. August.

*PANICULATUS*, Lam. Aster. Found in cold peat bogs. Scarce. Gray's Flora of North America, p. 187.

*LONGIFOLIUS*, Lam. Aster. Noble County. Editors Botanical Gazette.

*PUNICEUS*, L. Aster. Moist thickets and swamps. Common.

*NOVAE-ANGLIÆ*, 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.

- ERIGERON CANADENSE, L. Horse-weed. Butter-weed. A very common weed of fields, gardens and waste places. July, October.
- BELLIDIFOLIUM, L. Robin's Plantain. Dry banks and open woodlands of sandy soil. Common. May and June.
- PHILADELPHICUM, L. Common Fleabane. Moist grounds along streams. May and June.
- ANNUUM, Pers. Daisy Fleabane. Sweet Scabions. Plant four feet high. Flowers white. A nuisance in every meadow. July.
- STRIGOSUM, Muhl. Daisy Fleabane. With the last. A nuisance in meadows. July.
- SOLIDAGO LATIFOLIA, L. Golden-rod. Moist Woods. Common. August.
- CAESIA, L. Golden-rod. Woods and fields. Common. August.
- STRICTA, Ait. Golden-rod. Cold peat bogs and "flats," along the Elkhart River. Scarce. July and August.
- S. RIGIDA, L. Golden-rod. A few specimens in Noble and Perry Townships.
- RIDDELLII, Frank. Golden-rod. Low grounds along the Elkhart River in Orange and York Townships. Not common.
- PATULA, Muhl. Golden-rod. Low, moist grounds. Rather common.
- ALTISSIMA, L. Golden-rod. The plant is not tall, as the name indicates. Woods. Common. August.
- ULMIFOLIA, Muhl. Golden-rod. With the last. Common.
- CANADENSIS, L. Golden-rod. Fence rows. Common. August.
- GIGANTEA, Ait. Golden-rod. With the last. Common. August. Solidago is a difficult genus.
- INULA HELENIUM, L. Elecampane. A tall, stout plant. Roadsides. Common. August.
- 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.
- ARTEMISIAEFOLIA, L. Roman-wormwood. Hogweed. Ragweed. A very common, homely weed of fields and waste places. July, August.
- XANTHIUM STRUMARIUM, L. Cocklebur. Roadsides. Common. A nuisance. August.



- RUDBECKIA LACINIATA, L. Cone-flower. Low thickets. Sandy soil. Common. August.
- TRILOBA, L. Cone-flower. Dry soil. Common. August.
- 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.
- GIGANTEUS, L. Wild Sunflower. Moist thickets. Not common. August.
- DIVARICATUS, L. Wild Sunflower. Thickets. Common. July.
- DECAPETALUS, L. Wild Sunflower. Moist soil. Common. August.
- TUBEROSUS, L. Artichoke. As a weed in waste places. Rare.
- ACTINOMERIS SQUARROSA, Nutt. Actinomeris. A tall, stout plant growing everywhere in rich soil along streams. Flowers yellow. August.
- COREOPSIS TRIPTERIS, L. Tall Coreopsis. Swamps. Common. August.
- ARISTOSA, Michx. Coreopsis. Found in Noble County. Catalogue Indiana Flora.
- BIDENS FRONDOSA, L. Beggar-ticks. Spanish Needles. Fields and waste places. A very common and troublesome weed.
- CONNATA, Muhl. Swamp Beggar-ticks. Not so common as the last.
- CHRYSANTHEMUM, Michx. Bur-Marigold. Swamps. Common. August.
- BIPINNATA, L. Spanish Needles. Moist soil. August. A troublesome weed. Rather common.
- HELENIUM AUTUMNALS, L. Sneezeweed. Not common.
- MARUTA COTULA, DC. May-weed. Dog-Fennel. Common everywhere.
- ACHILLEA MILEFOLIUM, L. Yarrow. Roadsides. Common. July.
- 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.
- GNAPHALIUM ULIGINOSUM, L. Low Cudweed. Fields and roadsides. Not common.
- ANTENNARIA MARGARITACEA, R. Brown. Pearly Everlasting. Roadsides. Common. August.
- PLANTAGINIFOLIA, Hook. Plantain-leaved Everlasting. Dry, open woodlands of sandy soil. Common. May.
- ERECOTHITES HIERACIFOLIA, Raf. Fireweed. A tall weed, very common in new fields. August.

- SENECIO AUREUS**, L. Golden Ragwort. Moist places. Not common. May.  
 VAR. **OBAVATUS**. Golden Ragwort. Not common. May.
- CIRSIIUM LANCEOLATUM**, Scop. Common Thistle. Very Common. July.  
**DISCOLOR**. Thistle. Very tall and branched. Scarce. July.  
**MUTICUM**, Michx. Swamp Thistle. Common.  
**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 wood-land, at least a quarter of an acre of this pernicious pest had matured and the seed scattering broadcast with the wind.
- LAPPA OFFICINALIS**, Allioni. Burdock. Fields and waste places. Common.
- CICHORIUM INTYBAUS**, L. Cichory. Occasional on road sides.
- HIERACIUM SCABRUM**, Michx. Rough Hawkweed. Fields. Common.
- NABALUS ALBUS**, Hook. White Lettuce. Woods. Common.  
**ALTISSIMUS**, Hook. Tall White Lettuce. Sandy soil. Common.  
**RACEMOSUS**, Hook. Sections 7 and 22 Jefferson Township. A few specimens. Rare.
- TARAXACUM DENS-LEONIS**, Desf. Common Dandelion. Common everywhere.
- LACTUCA CANADENSIS**, L. Wild Lettuce. A tall plant of woods and fence rows. Common. July.  
 VAR. **INTEGRIFOLIA**, T. and G. Wild Lettuce. Common.
- 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.

#### LOBELIACEÆ.—LOBELIA FAMILY.

- LOBELIA CARDINALIS**, L. Cardinal flower. Low grounds. Common. July.
- SYPHILITICA**, L. Great Lobelia. Low grounds. Common.
- INFLATA**, L. Indian Tobacco. Copses. Common.
- SPICATA**, Lam. Lobelia. Dry sandy soil. Not Common.
- KALMII**, L. Lobelia. Very common in the low rich meadows of Sparta and York townships. August.

## CAMPANULACEÆ.—CAMPANULA FAMILY.

- CAMPANULA APARINOIDES**, Pursh. Marsh Bellflower. Cranberry marshes and wet grassy places of lakes. Common.
- 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.

- GAYLUSSACIA RESINOSA**, T. & G. Black Huckleberry. Dry sandy woodlands. Common.
- VACCINIUM MACROCARPON**, Ait. Cranberry. Many marshes of this plant still exist throughout the county.
- CORYMBOSUM**, L. Swamp Blueberry. Huckleberry. Common.
- GAULTHERIA PROCUMBENS**, L. Creeping Wintergreen. At one place in Orange Township.
- CASSANDRA CALYCVLATA**, 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 UMBELLATA**, 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.
- MONOTROPA UNIFLOA**, L. Indian Pipe. Corpse-Plant. A small waxy white plant. Common in beech woods. July.
- HYPOPHYTIS**, L. Pine sap. False Beech drops. But one specimen.

## AQUIFOLIACEÆ.—HOLLY FAMILY.

- ILEX VERTICILLATA**. Gray. Black Alder. Winterberry. A common shrub of swamps.

## PLANTAGINACEÆ.—PLANTAIN FAMILY.

- PLANTAGO MAJOR**, L. Common Plantain. Moist grounds of fields and door yards. Very common.
- LANCEOLATA**, L. English Plantain. A few specimens seen in Allen and Wayne townships.

## 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.
- TRIENTALIS AMERICANA, Pursh. Star-flower. A small plant growing in tamarack marshes in moss near the roots of the trees. Very common in some places. May.
- LYSMACHIA THYRSIFLORA, L. Tufted Loosestrife. Swamps. Common.
- CILATA, L. Loosestrife. Moist thickets. Common.
- LANCEOLATA, Walt. Loosestrife. Occasional in low grassy lands about lakes.
- SAMOLUS VALERANDI, L., var. Americanus. Gray. Water Pimpernel. Brook-weed. Plant a foot high, much branched, with cherry wild leaves, and small white flowers. Wet places along streams in woodlands. Scarce. June–August.

## LENTIBULACEÆ.—BLADDERWORT FAMILY.

- UTRICULARIA MINOR, L.? Small Bladderwort. Shallow pools. Not common.

## OROBANCHACEÆ.—BROOM-RAPE FAMILY.

- EPIPEGUS VIRGINIANA, Bart. Beech-drops. Common everywhere in beech woods. August–October.
- CONOPHOLIS AMERICANA, Walroth. Squaw-root. Cancer root. In oak woods in clusters among fallen leaves. Not common.

## SCROPHULARIACEÆ.—FIGWORT FAMILY.

- VERBASCUM THAPSUS, L. Common Mullein.
- VERBASCUM BLATTARIA, L. Moth Mullein. Roadsides. Western part of county. Scarce.
- LINARIA VULGARIS, Mill. Toad-Flax. Butter-and-eggs. Fields and roadsides. Escaped. Too common.
- SCROPHULARIA NODOSA, L. Figwort. Fence rows. General but not abundant.
- COLLINSIA VERNA, Nutt. Collinsia. Rich woods. Common many places. A very showy wild flower. May, June.
- CHELONE GLABRA, L. Turtle-head. Snake head. Wet places. Rather common.

- PENTSTEMON PUBESCENS, Solander. Beard-tongue. Plentiful on north shore Bear Lake.
- MIMULUS RINGENS, L. Monkey-flower. Wet places. Common.
- GRATIOLOA VIRGINIANA, L. Hedge-Hyssop. A delicate little plant of moist places in woods. Common.
- ILYSANTHES GRATIOLOIDES, Benth. False Pimpernel. A small plant growing on the moist shores of ponds in fields.
- VERONICA VIRGINICA, L. Culver's root. Growing on sandy soil throughout the county. Common.
- ANAGALLIS, L. Water Speedwell. Brooks and ditches. Not common.
- SCUTELLATA, L. Marsh Speedwell. Growing in marshes with smart-weed. Rather common. June and July.
- SERPILLIFOLIA, L. Thyme-Leaved. Speedwell. A common weed everywhere.
- 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.
- FLAVA, L. Downy False Foxglove. Open woods of sandy soil. Not 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.
- PEDICULARIS CANADENSIS, L. Lousewort. Wood Betony. Common in oak woods. May.
- LANCEOLATA, Michx. Wood Betony. Sparingly in swamps along the Elkhart River, York Township. Common at lakes on sections 7 and 15, Jefferson Township. September.

#### VERBENACEÆ —VERVAIN FAMILY.

- VERBENA HASTATA, L. Blue Vervain. A plant four to six feet high. Common everywhere along roadsides, waste places, etc. August.
- URTICIFOLIA, L. White Vervain. August. With the last. Common.

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.

TEUCRIUM CANADENSE, L. American Germander. Wood Sage. Western part of county. Not common.

MENTHA VIRIDIS, L. Spearmint. Common.

PIPERITA, L. Peppermint. Roadsides and waste places. Rather common.

CANADENSIS, L. Wild Mint. Not common.

LYCOPUS VIRGINICUS, L.? Bungle weed. Wet places. Common.

PYCNANTHEMUM LANCEOLATUM, Pursh. Mountain Mint. Basil. Not common.

HEDEOMA PULEGIOIDES, Pers. American Pennyroyal. Woods and fields. Very common.

COLLINSONIA CANADENSIS, L. Rich-weed. Stone-root. Rich woods. Common.

MONARDA FISTULOSA, L. Wild Bergamont. Woods and fence rows. Common.

PUNCTATA, L. Horse Mint. Common.

LOPHANTHUS NEPETOIDES, Benth. Giant Hyssop. Borders of woods and fence rows. Common.

BLEPHILIA CILIATA, Raf. Blephilia. Scarce.

HIRSUTA, Benth. Blephilia. Scarce.

NEPETA CATARIA, L. Catnip. Common.

GLECHOMA, Benth. Ground Ivy. Gill. A nuisance in yards.

BRUNELLA VULGARIS, L. Heal-all. Woods and fields. Very common. June, July.

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.

LAMIUM AMPLEXICAULE, L. Dead-Nettle. Waste places. Scarce.

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.
- LATIFOLIUM, Michx. Borders of woods. Rare.
- HIRTUM, Lehm. Hoary Puccoon. Woods of sandy soil. Scarce.
- CANASCENS, Lehm. Hoary Puccoon. Open woods of sandy soil. Not common.
- ECHINOSPERMUM LAPPULA, Lehm. Stickseed. A common weed.
- CYNOGLOSSUM OFFICINALE, L. Common Hound's-Tongue. A common weed of waste grounds and pastures.
- MORISONI, DC. Beggar's Lice. A common weed of woods, copses, etc.
- VIRGINICUM, L. Wild Comfrey. Oak woods of sandy soil. Scarce.

## HYDROPHYLLACEÆ.—WATERLEAF FAMILY.

- HYDROPHYLLUM VIRGINICUM, L. Waterleaf. Damp rich woods. Common.
- MACROPHYLLUM, Michx. Waterleaf. Rich woods. Scarce.
- APPENDICULATUM, Michx. Water-Leaf. Common in rich woods. June, July.
- PHACELIA PURSHII, Buckley. Hawpatch. Perry Township.

## POLEMONIACEÆ.—POLEMONIUM FAMILY.

- POLEMONIUM REPTANS, L. Greek Valerian. In rich woods south of Tippecanoe Lake, Noble Township.
- PHLOX PILOSA, L. Phlox. A pretty plant, common on sandy soil throughout the county. Growing in open woods, borders of thickets, etc. May, June.
- DIVARICATA, L. Phlox. Wild Sweet-William. Rich woods. Very common. June.

## CONVOLVULACEÆ.—CONVOLVULUS FAMILY.

- IPOMCEA PURPUREA, Lam. Common Morning-Glory. Escaped from cultivation to waste places.
- PANDURATA, Meyer. Wild Potato-Vine. Sandy banks and fields. Scarce.
- CALYSTEGIA SEPIUM, R. Br. Hedge Bindweed. Seen at few places. Scarce.

- CALYSTEGIA SPITHAMEA*, Pursh. Bindweed. Railroad tracks. Plentiful in many places.
- 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.
- GLOMERATA*, Choisy. Dodder. In York Township, in low grounds along the Elkhart River. Scarce.

SOLANACEÆ.—NIGHTSHADE FAMILY.

- SOLANUM DULCAMARA*, L. Bittersweet. General, but not abundant. June, September.
- NIGRUM*, L. Common Nightshade. Shady places. Common. July, September.
- CAROLINENSE*, L. Horse Nettle. Scarce. July.
- PHYSALIS PHILADELPHICA*, Lam. Ground Cherry. In waste grounds, some places, where it has escaped from cultivation.
- PUBESCENS*, L. Ground Cherry. Fields. Not common.
- DATURA STRAMONIUM*, L. Common Stramonium. Waste grounds. Scarce.
- TATULA*, L. Purple Stramonium. Waste grounds. Very common.

GENTIANACEÆ.—GENTIAN FAMILY.

- FRASERA CAROLINENSIS*, Walt. American Columbo. Dry woods. Orange, Wayne, Green. Common. July.
- 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.
- DETONSA*, Fries. Smaller Fringed Gentian. A small patch in York Township. Rare.
- ALBA*, Muhl. White Gentian. A small patch in moist meadow, York Township. Rare.
- ANDREWSII*, Griesb. Closed Gentian. Borders of swamps, general, but not abundant. September.
- BARTONIA TENELLA*, Muhl. Bartonian. 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.

- ASCLEPIAS CORNUTI, Decaisne. Common Milkweed. Fields and roadsides. Common.  
 PHYTOLACCO IDES, Pursh. Poke Milkweed. Rather common.  
 PURPURASCENS, L. Purple Milkweed. Not common.  
 VARIEGATA, L. Variegated Milkweed. Scarce.  
 INCARNATA, L. Swamp Milkweed. Low grounds. Common.  
 TUBEROSA, 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.

## ARISTOLOCHIACEÆ.—BIRTHWORT FAMILY.

- ASARUM CANADENSE, L. Wild Ginger. Rich wood. Not common.  
 ARISTOLOCHIA SERPENTARIA, L. Virginia Snakeroot. Rich beech woods. Very scarce. A well known medical plant.

## PHYTOLACCACEÆ.—POKEWEED FAMILY.

- PHYTOLACCA DECANDRA, L. Common Poke or Scape. A tall and stout plant. Common.

## CHENOPODIACEÆ.—GOOSEFOOT FAMILY.

- CHENOPODIUM ALBUM. Pigweed. A very common homely weed.  
 HYBRICUM, L. Maple-leaved Goosefoot. Waste places. Scarce.  
 BOTRYS, L. Jerusalem Oak. Feather Geranium. Waste places. Not rare.

## AMARANTACEÆ.—AMARANTH FAMILY.

- AMARANTUS RETROFLEXUS, L. Pigweed. Green Amaranthus. A very common weed of cultivated grounds.  
 PANICULATUS, L. Prince's Feather-of-the-Garden. Rarely escaped to waste grounds.  
 ALBUS, L. Tumble weed. Waste places. Not plentiful.

## POLYGONACEÆ.—BUCKWHEAT FAMILY.

- POLYGONUM ORIENTALE, L. Prince's Feather. Escaped. Scarce.  
 CAREYI, Olney. Prince's Feather. Reported from this county by the editors of the Botanical Gazette.  
 PENNSYLVANICUM, L. Moist places. Common.  
 INCARNATUM, Ell. Moist places. Common.  
 PERSICARIA, L. Lady's Thumb. Common everywhere in damp places. June-August.  
 HYDROPIPER, L. Common Smartweed. Common.  
 HYDROPIPEROIDES, 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.  
 ARIFOLIUM, 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.  
 VAR. SCANDENS, Gray. Climbing False Buckwheat. Rich grounds of thickets, climbing high over bushes.  
 FAGOPYRUM ESCULENTUM, Moench. Buckwheat. Remaining as a weed in fields after cultivation.  
 RUMEX ORBICULATUS, Gray. Great Water Dock. Plant four to six feet high. Swamps. Scarce.  
 VERTICILLATUS, L. Swamp Dock. Common.  
 CRISPUS, 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.

## LAURACEÆ.—LAURAL FAMILY.

- SASSAFRAS OFFICINALE, Nees. Sassafras. A shrub or small tree.  
Sandy soil. Common.
- LINDERA BENZOIN, Meisner. Spice bush. Rich woods. Common.

## THYMELEACEÆ.—MEZEREUM FAMILY.

- DIRCA PALUSTRIS, L. Leatherwood. Moose-wood. A small shrub of  
beech woods. Rather common.

## SANTALACEÆ.—SANDALWOOD FAMILY.

- COMANDRA UMBELLATA, Nutt. Bastard Toad-flax. Dry open woods of  
sandy soil. Common. May.

## SAURURACEÆ.—LIZARD'S-TAIL FAMILY.

- SAURURUS CERNUUS, L. Lizard's Tail. Moist places along streams in  
woods. Rather common. July.

## 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.
- COMMUTATA, L. Engelm. Spurge. Dry sandy soil. Scarce.
- ACALYPHA VIRGINICA. Three-seeded Mercury. A very common  
homely weed.
- VIRGINICA, VAR. GRACILENS. Gray. Three-seeded Mercury.  
Rich soils. Scarce.

## URTICACEÆ.—NETTLE FAMILY.

- ULMUS FULVA, Mich. Slippery or Red Elm. A common forest tree.
- AMERICANA, L. White Elm. A very common forest tree.
- RACEMOSA, Thomas. Corky White Elm. Common.
- CELTIS OCCIDENTALIS, L. Sugarberry. Hackberry. "A small, or  
middle-sized tree, with the aspect of an elm." Common  
in the low rich lands along streams.

- MORUS RUBRA, L. Red Mulberry. "General but not abundant."  
 URTICA GRACILIS, Ait. Nettle. A common weed of fence rows and moist grounds.  
 LAPORTEA CANADENSIS. Gaudichaud. Wood-Nettle. Everywhere in rich woods. July, September.  
 PILEA PUMILA, Gray. Richweed. Clearweed. Cool shady places in woods.  
 BOEHMERIA CYLINDRICA, Willd. False Nettle. Common.  
 CANNABIS SATIVA, L. Hemp. Waste grounds. Common.  
 HUMULUS LUPULUS, L. Common Hop. Escaped from cultivation at some places, while at others it is probably native.

PLATANACEÆ.—PLANE-TREE FAMILY.

- PLATANUS OCCIDENTALIS, L. American Plane-tree. Sycamore. A large and well-known forest tree. Very common in rich soils along streams.

JUGLANDACEÆ.—WALNUT FAMILY.

- JUGLANS CINEREA, L. Butternut. White Walnut. A middle-sized forest tree. Common, especially in rich soils along streams.  
 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 Shell-bark Hickory. A valuable forest tree. Not so common as the last.  
 PORCINA, Nutt. Pig-nut Hickory. A common forest tree.  
 AMARA, Nutt. Bitter-nut or Swamp Hickory. A forest tree. Common in moist soils.

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 specie 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.

VAR. *TINCTORIA*, Gray. Black Oak. A middle-sized tree. Common. Sandy soils. "This is probably entitled to the specific rank that Bartram first assigned it."—Editors of the *Indiana Botanical Gazette*.

*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.

*CORYLUS AMERICANA*, Walt. Wild Hazelnut. Sandy soil. Common.

*OSTRYA VIRGINICA*, Willd. American. Hop-Hornbeam. Leverwood. A small tree, common in all rich woods. The hop-like fruit very noticeable in August.

*CARPINUS AMERICANA*, Michx. Hornbeam. Iron-wood. Blue or Water Beech. A small tree growing in rich soil along streams, moist places in woods. Common.

#### 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.

*SALIX CANDIDA*, Willd. Hoary Willow. Usually in bogs. Not common.

*DISCOLOR*. Glaucoous Willow. Borders of ponds, etc. Common.

*PETIOLARIS*, Smith. Petioled Willow. Common in swamps.

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

ALBA, L., VAR. VITELLINA, Gray. Yellow Willow. A middle-sized tree. Rather common.

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

POPULUS TREMULOIDES, Michx. American Aspen. Quaking Asp. A small tree. Common.

MONLIFERA, Ait. Cotton-wood. A middle-sized or large forest tree. Rather common. Timber not valuable.

#### CONIFERÆ.—PINE FAMILY.

LARIX AMERICANA, Michx. Tamarack. A tall slender tree growing in swamps. Common.

JUNIPERUS COMMUNIS, L. Common Juniper. A small shrub. Scarce.

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

#### ARACEÆ.—ARUM FAMILY.

ARISAEMA TRIPHYLLUM, Torr. Indian Turnip. Jack-in-the-Pulpit. Rich woods. Very common. May.

DRACONTIUM, Schott. Dragon-root. Low rich grounds along streams in woods. Common. June.

PELTANDRA VIRGINICA, Raf. Arrow Arum. Growing in shallow water. Very common at Long Lake, Green Township. Sparingly at Bowen Lake (Green), and Round Lake, Wayne Township. June.

CALLA 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.

ACORUS CALAMUS, L. Sweet Flag. Calamus. Plentiful many places. June.

#### LEMNACEÆ.—DUCKWEED FAMILY.

LEMNA MINOR, L. Duck-meat. A very small plant floating on the surface of stagnant waters. Very common.

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. Common. Swamps.

*SPARGANUM EURYCARPUM*, Engelen. Bur-reed. Along streams and ponds. Common.

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

NAIADACEÆ.—PONDWEED FAMILY.

*POTAMOGETON NATANS*, L. Pondweed. An immersed aquatic plant. Common in lakes and large streams.

*CLAYTONII*, Tuckerman. Pondweed. Common in lakes. Plant growing under water.

*P. COMPRESSUS*, L. Pondweed. Lakes. Common.

*P. GRAMINENS*, L. Pondweed. Lakes. Common.

ALISMACEÆ.—WATER-PLANTAIN FAMILY.

*ALISMA PLANTAGO*, L., VAR. *AMERICANUM*. Water Plantain. A common plant of pools and ditches.

*SAGITTARIA VARIABILIS*, Engelm. Arrow-head. A rather handsome plant of marshes, Common.

*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.

*ANACHARIS CANADENSIS*, Planchon. Waterweed. Ditch Moss. Plant growing under water in ponds, streams, and lakes. Plentiful several places.

ORCHIDACEÆ.—ORCHIS FAMILY.

*ORCHIS SPECTABILIS*, L. Showy Orchis. Rich woods. Scarce. May.

*HABENARIA VIRIDIS*, R. Br., *BRACTEATA*. Reichenbach. Rein-Orchis. One specimen.

- HOOKERI, Torr. Hooker's Orchis. Three specimens, the only ones that have been found in the State. June.
- ORBICULATA, Torr. Great Green Orchis. A few specimens seen in rich woods of Allen Township. 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.
- LACERA, R. Br. Ragged Fringed Orchis. Growing in tamarack marshes. Rather common. July.
- PSYCODES, Gray. Purple Fringed Orchis. Low meadows and bogs. Scarce. July, August.
- GOODYERA PUBESCENS, R. Br. Rattlesnake Plantain. Growing in oak woods. Scarce. August.
- SPIRANTHES LATIFOLIA, Torr. Ladies' Tresses. A few specimens at Wible Lake, Wayne Township, the only ones that have been found in the State. June.
- CERNUA, Richard. Ladies' Tresses. Plant growing with cranberry vines on the low shores of lakes. A few places in the county. Scarce. September.
- GRACILIS, Bigelow. Ladies' Tresses. Two specimens. Section 15, York Township, August, 1892.
- POGONIA OPHIOGLOSSOIDES, Nutt. Pogonia. Plant growing in cranberry marshes and on the low grounds along the Elkhart River in York Township. June. Plentiful.
- PENDULA, Lindl. Pogonia Rich woods. Scarce. August.
- CALOPOGON PULCHELLUS, R. Br. Calopogon. Grass Pink. Plentiful. June. Calopogon and Pogonia ophioglossoides are always found in the same locality.
- LIPARIS LÆSELII, Richard. Tway-blade. A few specimens at one place in a tamarack marsh. Plant very rare. June.
- CORALLORHIZA MULTIFLORA, Nutt. Coral-root. Dry woods. Not common. July, September.
- APLECTRUM HYEMALE, Nutt. Putty-root. Adam-and-Eve. Rich woods. Scarce. May.
- CYPRIPEDIUM PUBESCENS, Willd. Large Yellow Ladies' Slipper. Dry woods. Northern Wayne. Also of Orange, Green and York townships. Rather common. May, June.
- 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.
- PARVIFLORUM, Salisb. Smaller, Yellow Ladies' Slipper. A few specimens in Birch Marsh, section 7, Jefferson Township, June, 1893.



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.

HYPOXYS 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.

SMILAX ROTUNDIFOLIA, L. Common Greenbriar. A shrubby, climbing plant armed with prickles. Thickets and fence rows. Common.

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

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

#### LILIACEÆ.—LILY FAMILY.

TRILLIUM SESSILE, L. Wakerobin. Woods. Common. May.

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

- TRILLIUM RECURVATUM*, Beck. Trillium. Rich woods. Sparta Township.
- ERECTUM*, L. Purple Trillium. Rich woods. Common. May.
- MEDEOLA VIRGINICA*, L. Indian Cucumber-root. Rich woods. Scarce. June.
- TOFIELDIA GLUTINOSA*, Willd. False Asphodel. Moist grounds along the Elkhart River in Orange Township. June, August.
- UVULARIA GRANDIFLORA*, Smith. Bellwort. Rich woods. Common. June.
- PERFOLIATA*, L. Bellwort. Rich woods. May.
- SMILACINA RACEMOSA*, Desf. False Spikenard. Woods and copses. Common. Plant flowering in June. Fruit, numerous pale red berries, speckled with purple. Ripe in August.
- STELLATA*, Desf. False Spikenard. Moist banks. Not common.
- BIFOLIA*, Ker. Two-leaved Solomon's Seal. A delicate little plant three to five inches high. Moist woods. Common. May.
- POLYGONATUM BIFLORUM*, Ell. Smaller Solomon's Seal. Woods. Common. May.
- 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.
- LILIUM PHILADELPHICUM*, L. Wild Orange-red Lily. A showy plant two feet high. Very plentiful in York and Sparta townships. June.
- CANADENSE*, L. Wild Yellow Lily. Generally distributed, but not abundant. July.
- SUPERBURN*, L. Turk's-cap Lily. Widely distributed, but not abundant. July.
- ERYTHRONIUM AMERICANUM*, Smith. Yellow Adder's Tongue. Woods. Common. April, May.
- ALLIUM TRICOCCUM*, Ait. Wild Leek. Rich woods. Common. June.
- CERNUUM*, Roth. Wild Onion. Seen at a few places in the western part of the county. Dry banks of open woodlands, etc. Scarce. July.
- CANADENSE*, Kalm. Wild Garlic. Rich woods. Common. June.

## JUNCACEÆ.—RUSH FAMILY.

- LUZULA CAMPESTRIS, DC. Wood Rush. Open woodlands. Common. May. A grass-like plant a foot high.
- JUNCUS EFFUSUS, L. Common or Soft Rush. Low grounds. Very common.
- TENUIS, Willd. Rush. A wiry-stemmed plant, ten to fifteen inches high. Very common everywhere in moist grounds of fields, roadsides, yards, etc.
- NODOSUS, L. Knotty-Leaved Rush. Plant a foot high, growing in swamps about lakes. Not common. August.
- VAR MEGACEPHALUS, Torr. Knotty-Leaved Rush. Plant two feet high, growing on the moist shores of lakes. Not common. August.
- CANADENSIS, J. Gray, VAR. LONGICAUDATUS, Engelm. Knotty-Leaved Rush. Plant two to four feet high, growing in cold peat bogs. Not common. September.

## 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.
- SCHOLLERA GRAMINEA, Willd. Water Star-grass. A grass-like herb, growing wholly under water or on the muddy shores of lakes. Scarce. July, August.

## COMMELINACEÆ.—SPIDERWORT FAMILY.

- TRADESCANTIA VIRGINICA, L. Common Spiderwort. Very plentiful in York and Sparta townships. June, July.

## CYPERACEÆ.—SEDFE FAMILY.

- CYPERUS DIANDRUS, L. Moist grounds. Common. August.
- STRIGOSUS, L. Moist grounds. Common.
- DULICHIMUM SPATHACEUM, Pers. Dulichium. Marshy grounds. Common. July, September.

- ELEOCHARIS OBTUSA, Schultes. Spike Rush. Muddy places. Very common. June.
- PALUSTRIS, R. Br. Spike Rush. Low grassy grounds about lakes. Not common.
- TENUIS, Schultes. Spike Rush. Low moist meadows. Rather common. June.
- ACICULARIS, R. Br. Spike Rush. Muddy shores of lakes. Scarce. August.
- SCIRPUS PUNGENS, Vahl. Bulrush. Stems triangular, four feet high. Plant growing at places along the Elkhart River. Also at Eagle Lake, Sparta Township. July.
- VALIDUS, Vahl. Great Bulrush. Very common. June.
- FLUVIATILIS, Gray. River Club-rush. Common along the Elkhart River in York Township.
- ATROVIRENS, Muhl. Borders of ponds and bogs. Common.
- ERIOPHORUM, Michx. Wool-Grass. Plant four and five feet high. Moist place of fields and swamps. Very common. August.
- ERIOPHORUM VIRGINICUM, L. Cotton-Grass. Bogs and low grounds about lakes. Rather common. July.
- POLYSTACHYON, L. Cotton-Grass. Bogs. Rather common.
- GRACILE, Koch. Cotton-Grass. Bogs. Not common.
- RHYNCHOSPORA ALBA, Vahl. White Beak-Rush. Low grassy grounds of lakes. Not plentiful. August.
- CLADIUM MARISCOIDES, Torr. Twig-Rush. Low grassy grounds of lakes. Rather common. July.
- The above five plants are most plentiful in the western part of the county.
- CAREX STEUDELII, Kunth. Sedge. Woods. Common. May.
- VULPINOIDEA, Michx. Sedge. Common. June.
- STIPATA, Muhl. Sedge. Common. June.
- CEPHALOPHORA, Muhl. Sedge. Woods. Scarce. May.
- ROSEA, Schk. Sedge. Woods. May.
- TENELLA, Schk? Sedge. A very slender grass-like plant. Common in tamarack swamps.
- STELLULATA, L. Sedge. Rather common. June.
- LAGOPODIOIDES, Schk. Sedge. Moist places of fields and roadsides. Very common. July.
- STRAMINEA, Schk. Sedge. Common. June.
- SCOPARIA, Schk. Sedge. Not common.
- CRINITA, Lam. Sedge. Common. May.
- GRISEA, Wahl. Sedge. Scarce. May.
- GRACILLIMA, Schew. Sedge. Open moist woodlands. Common. June.

- PLANTAGINEA, Lam. Sedge. Moist woodlands. Common.  
May.
- LAXIFLORA, Lam. Sedge. Open woodlands. Common. May.  
VAR. STYLOFLEXA, Bott. Sedge. With the last. Common.  
May.
- VAR. BLANDA, Carey. Sedge. With the last. Common.  
May.
- VAR. LATIFOLIA, Bott. Sedge. With the last. Common.  
May.
- HITCHCOCKIANA, Dew. Sedge. Woods. Common. May.  
PENNSYLVANICA, Lam. Sedge. Not plentiful. Woods. May.  
FLAVA, L. Sedge. "Noble County."—Editors Botanical  
Gazette.
- ARISTATA, R. Br. Sedge. Moist open woodlands. Rather  
common. June.
- COMOSA, Bott. Sedge. In swamps. Not plentiful. June.  
PSEUDO-CYPERUS, L. Sedge. "Noble County."—Catalogue  
Indiana Plants.
- HYSTRICINA, Willd. Sedge. Scarce. June.  
TENTACULATA, Muhl. Sedge. Swamps. Not plentiful.  
June.
- INTUMESCENS, Rudge. Sedge. Moist shady places of woods.  
Rather common. June.
- GRAYII, Carey. Sedge. With the last. Rather common.  
June.
- LUPULINA, Muhl. Sedge. Moist, open places. Very common.  
June, July.
- STENOLEPIS, Torr. Sedge. Moist places. Common. July.  
UTRICULATA, Bott. Sedge. Growing in swamps. Rather  
common. June.
- TUCGERMANI, Bott? Sedge. Low places of woods. Rather  
common.
- The Sedges are usually known as "wild grasses."

## GRAMINEÆ.—GRASS FAMILY.

- LEERSIA ORYZOIDES, Swartz. Rice Cut-Grass. Low wet places. Com-  
mon. August.
- ZIZANIA AQUATICA, L. Indian Rice. Water Oats. Plant six to nine  
feet high. Common along the Elkhart River in York  
Township. August.
- ALOPECURUS ARISTULATUS, Michx. Wild Foxtail Grass. In water and  
wet places. A few specimens seen in Orange and Green  
townships. June. Rare in Indiana.

- PHLEUM PRATENSE, L. Timothy. Cultivated for hay. Common everywhere.
- AGROSTIS SCABRA, Willd. Hair Grass. Scarce.  
 VULGARIS, With. Red-top. Wet places. Common.  
 ALBA, L? White Bent-Grass. Scarce.
- CINNA ARUNDINACEA, L. Wood Reed-Grass. Swamps. Not common. August.
- MUHLENBERGIA DIFFUSA, Schreber. Drop-seed Grass. Rather common.
- CALAMAGROTIS CANADENSIS, Beauv. Blue Joint-Grass. Wet grounds. 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.
- DACTYLOCTENIUM ÆGYPTIACUM, Willd. Egyptian Grass. Fields and yards. Common.
- ELEUSINE INDICA, Gærtu. Wire Grass. Common. Yards.
- DACTYLIS GLOMERATA, L. Orchard Grass. Cultivated. Common.
- EATONIA PENNSYLVANICA, Gray. Moist woods. Scarce.
- GLYCERIA ELONGATA, Trin. Mana Grass. Moist woods. Scarce. July.  
 NERVATA, Trin. Fowl-Meadow Grass. Moist meadows. Common.  
 PALLIDA, Trin. Fowl-Meadow Grass. Common.
- POA ANNUA, L. L. Low Spear-Grass. Very common.  
 COMPRESSA, L. Wire Grass. Common. July.  
 PRATENSIS, L. Blue Grass. Common. June.
- FESTUCA ELATIOR, L. Meadow Fescue. Moist meadows. Common. June.  
 NUTANS, Willd. Meadow Fescue. Moist copses. Common. June.
- BROMUS SECALINUS, L. Cheat or Chess. Too common in wheat fields.  
 RACEMOSUS, L. Upright Chess. In grainfields. Probably scarce.  
 CILIATUS, L. Wild Chess. Moist woods. Rather common. July.
- PHRAGMITES COMMUNIS, Trin. Reed Grass. Very tall, ten to twelve feet high. Branches of the Elkhart River.
- 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.  
 SANGUINALE, L. Finger-Grass. Cultivated grounds. Common.  
 LATIFOLIUM, L. Witch Grass. Thickets. July.  
 CRUS-GALLI, L. Barnyard Grass. Very Common. August, September.

- SETARIA GLAUCA.** Foxtail Grass. Common.  
**VIRIDIS.** 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.  
**ANDROPOGON PURCATUS, Muhl.** Beard Grass. Sandy soil. Northern and western part of the county. August, September.

**EQUISETACEÆ.—HORSE-TAIL FAMILY.**

- EQUISETUM ARVENSE, L.** Common Horsetail. Moist sandy soil. Very common. April, May.  
**HYEMALE, L.** Scouring Rush. Wet banks. Rather common.

**FILICES.—FERNS.**

- POLYPODIUM VULGARE, L.** Polypody Fern. A common plant of moist woods.  
**ADIANTUM PEDATUM, L.** Maiden-hair Fern. Moist woods. Common. July, August.  
**PTERIS AQUILINA, L.** Brake Fern. Scarce.  
**ASPLENIUM ANGUSTIFOLIUM, Michx.** Spleenwort Fern. Moist woods. Rather common.  
**THELYPTEROIDES, Michx.** Spleenwort Fern. Rich moist woods. Rather common.  
**FILIX-FÆMINA, Bernh.** Spleenwort Fern. Rich moist woods. Rather common. July.  
**ASPIDIUM THELYPTERIS, Swartz.** Wood Fern. Swamps. Rather common.  
**NOVEBORACENSE, Swartz.** Wood Fern. Moist woods. Common. July.  
**ACROSTICHOIDES, Swartz.** Wood Fern. Woods. Not common. July.  
**CYSTOPTERIS FRAGILIS, Bernh.?** Bladder-Fern. Woods. Not common. July.  
**ONOCLEA SENSIBILIS, L.** Sensitive Fern. Moist woods. Common. July.  
**OSMUNDA REGALIS, L.** Flowering Fern. Found in Noble County. Catalogue Indiana Flora.  
**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.  
**BOTRYCHIUM VIRGINIUM, Swartz.** Moonwort-Fern. Moist woods. Very common. June, July.