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E. D. Verink
Coe College

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A PRELIMINARY REPORT ON THE FLORA OF LINN COUNTY.

BY E. D. VERINK.

During the past twenty years, under the incumbency of a number of professors in Coe College, the college herbarium was enriched by the collection of a large number of plants indigenous to Linn county. For many years these were poorly housed, room for herbarium facilities was lacking, and the collection was consequently neglected. The building of a new science hall has made it possible for the first time to revise this collection. The author has also spent three seasons collecting specimens in Linn county and, through the kindness of Mr. Geo. H. Berry, had access to the herbarium of the latter, which contains a number of species not found in the Coe herbarium. The accompanying list, then, should be fairly complete. While those who have worked at this collection in previous years may have been guilty of some errors, every effort has been made to check their work, and it is believed that the work as here presented, while not absolutely complete, is essentially accurate. It should, therefore, be of some value to students of our eastern Iowa Flora, and in that hope it is here presented. Acknowledgments are due to Mr. Berry, not only for access to his herbarium, but for assistance given in identifying specimens, to the late Dr. J. E. Gow for the suggestion leading to the undertaking and for revision of the manuscript, and special thanks are due to Miss Phoebe Smith for card indexing the entire Coe collection, as well as for valuable assistance in identification of species and preparation of manuscript.

AIOZACEAE.

Mollugo verticillata (L.), Carpet Weed (C); common.

ANACARDIACEAE.

Rhus canadensis (Marsh.), Sweet Scented Sumac (C); common.

Rhus glabra (L.), Smooth Sumac (C); common.

Rhus typhina (L.), Staghorn Sumac (C); common. ,

ARISTOLOCHIACEAE.

Asarum canadensis (L.), Wild Ginger (C); common.

(C) after the common name indicates specimens to be found in the Coe College Herbarium.

(B) after the common name indicates specimens to be found in Geo. H. Berry's Herbarium.

AMARYLLIDACEAE.

- Hypoxis hirsuta* (L.), Yellow Star Grass (C); common.
Narcissus poeticus (L.), Poet's Narcissus (C); common.

ACERACEAE.

- Acer negundo* (L.), Box Elder (C); common.
Acer saccharum (Marsh.), Sugar Maple (C); common.
Acer saccharum nigrum (Mx.f.), Black Maple (C); common.
Acer saccharinum (L.), White Maple (C); common.
Acer rubrum (L.), Red Maple; common.
Aesculus hippocastanum (L.), Horse Chestnut (C); common.

ARACEAE.

- Acorus calamus* (L.), Sweet Flag (C).
Arisaema dracontium (Schott), Green Dragon (C); rare.
Arisaema triphyllum (Schott), Jack-in-the-Pulpit (C); common.
Calla palustris (L.), Water Arum (C); rare.
Orontium aquaticum (L.), Golden Club (C); rare.

ALISMACEAE.

- Alisma plantago-aquatica* (L.), Water Plantain (C).
Lophocarpus calycinus maximum (J. G. Sm.) (C).
Sagittaria arifolia (Nutt.), Arrow Head (C); common.
Sagittaria engelmanniana (J. G. Sm.), Arrow Head (C).
Sagittaria heterophylla (Pursh.), Arrow Head (C).

ASCLEPIADACEAE.

- Asclepias amplexicaulus* (Sm.), Milkweed (C); common.
Asclepias incarnata (L.), Swamp Milkweed (C); common.
Asclepias pumila (Vail), Narrow-leaved Milkweed (C); common.
Asclepias purpurascens (L.), Purple Milkweed (C); common.
Asclepias sullivantii (Engelm.), Milkweed (C).
Asclepias syriaca (L.), Milkweed (C).
Asclepias tuberosa (L.), Pleurisy-root (C).
Asclepias verticillata (L.), Whorled Milkweed (C); common.

ACANTHACEAE.

- Ruellia ciliosa* (Pursh.), Hairy Ruellia (C).

BALSAMINACEAE.

- Impatiens biflora* (Walt.), Spotted Touch-me-not (C); common.

BETULACEAE.

- Betula nigra* (L.), Red or River Birch (C); common.
Carpinus caroliniana (Walt.), Blue Birch (C); common.
Corylus americana (Walt.), Hazelnut (C); common.
Ostrya virginiana (K. Koch.), American Hop Horn Bean (C); common.

BERBERIDACEAE.

- Berberis vulgaris* (L.), Barberry (C); not uncommon, exotic.
Caulophyllum thalictroides (Michx.), Pappoose Root (C).
Podophyllum peltatum (L.), May Apple (C); common.

BORAGINACEAE.

- Lappula virginiana* (Greene), Beggars Lice.
Lithospermum angustifolium (Michx.), Yellow Puccoon (C); common.
Lithospermum canescens (Lrh.), Orange Puccoon (C); common.
Lithospermum gmelini (Hitche.), Hairy Puccoon (C).
Lithospermum latifolium (Michx.), Puccoon (C).
Mertensia virginica (Link), Bluebells (C); common.
Myosotis arvensis (Hill), Mouse Ear (C); common.
Myosotis scorpioides (L.), Forget-me-not (C); common.
Myosotis virginica (BSP), Scorpion Grass (C); common.
Onosmodium hispidissimum (Mack), False Gromwell (C).

BIGNONIACEAE.

- Catalpa speciosa* (Warder), Catalpa Tree (C); common.
Catalpa bignonioides (Walt.), Catalpa Tree (C); not uncommon; exotic.

CONVOLVULACEAE.

- Convolvulus arvensis* (L.), Small Bindweed (C); common.
Convolvulus sepium (L.), Hedge Bindweed (C); common.
Cuscuta arvensis (Beyrich), Field Dodder (B.); common.
Cuscuta compacta (Juss.), Compact Dodder (C); common.
Cuscuta glomerata (Chois.), Dodder (C); common.
Cuscuta gronovii (Willd.), Dodder (C).
Cuscuta indecora (Chois.), Pretty Dodder (B).
Cuscuta coryli (Engelm.), Dodder (C).
Impomoea pandurata (G. F. W. Mey.), Man-of-the-earth (C).

CHENOPODIACEAE.

- Chenopodium album* (L.), Pigweed (C); common.
Chenopodium boscianum (Moa), Bose's Goosefoot (B); fairly common.
Chenopodium hybridum (L.), Maple-leaved Goosefoot (C); rare.

- Chenopodium murale* (L.), Nettle-leaved Goosefoot (C) ; rare.
Chenopodium polyspermum, Many-seeded Goosefoot (C) ; rare.
Chenopodium urbicum (L.), Upright or City Goosefoot (C) ; not rare.
Cycloloma atriplicifolium (Spreng.), Winged Pigweed.
Kochia scoparia (L.) Schrad., Pigweed (C) ; uncommon, introduced.
Salsola kali tenuifolia (G. F. W. Mey.), Saltwort, Russian Thistle (C) ;
 uncommon.

CARYOPHYLLACEAE.

- Agrostemma githago* (L.), Corn Cockle (B) ; common, introduced.
Arenaria lateriflora (L.), Sandwort (C) ; common.
Cerastium brachypodum (Rob.), Mouse-ear Chickweed (C) ; common.
Cerastium nutans (Raf.), Chickweed (C) ; common.
Cerastium viscosum (L.), Mouse-ear Chickweed (C) ; not uncommon.
Dianthus chinensis, China Pink (C).
Lychnis coronaria (Desr.), Mullein Pink (C) ; introduced.
Saponaria officinalis (L.), Bouncing Betty (C) ; common, introduced.
Silene antirrhina (L.), Sleepy Catchfly (C) ; common.
Silene armeria (L.), Sweet William, Catchfly (C) ; introduced.
Silene dichotoma (Ehrh.), Forked Catchfly (C) ; introduced.
Silene nivea (Nutt.) Oth., Western White Champion (C).
Silene noctiflora (L.), Night-flowering Catchfly ; not uncommon.
Silene stellata (L.) Ait. f., Starry Champion (C).
Stellaria media (Cyrill), Common Chickweed (C) ; common.

CORNACEAE.

- Cornus canadensis* (L.), Bunch Berry (B) ; fairly common.
Cornus paniculata (L.) L'Her., Red Osier, Cornel ; fairly common.

CAMPANULACEAE.

- Campanula americana* (L.), Tall Bellflower (C).
Campanula rotundifolia, Common Harebell (C).
Specularia perfoliata (A. DC.), Venus' Looking Glass (C).

CUCURBITACEAE.

- Echinocystis lobata* (T. & G.), Wild Balsam Apple (C).
Sicyos angulatus, Bur Cucumber (C).

COMMELINACEAE.

- Commelina communis* (L.), Asiatic Day Flower (C) ; introduced.
Tradescantia bracteata (Small), Spiderwort (B).
Tradescantia occidentalis (Smyth), Pink Spiderwort (B).
Tradescantia virginiana (L.), Spiderwort (C).

CAPRIFOLIACEAE.

- Lonicera dioica* (L.), Smooth-leaved Honeysuckle (C); common.
Lonicera flava (Sims), Yellow Honeysuckle (C); common.
Lonicera glaucescens (Rybd.), Douglas Honeysuckle (B).
Lonicera sempervirens (L.), Trumpet Honeysuckle (B).
Lonicera sullivanii (Gray), Sullivan's Honeysuckle (C).
Lonicera xylosteum (L.), European Fly, or Honeysuckle (C).
Sambucus canadensis (L.), Common Elder (C); common.
Triosteum perfoliatum (L.), Wild Coffee (B).
Viburnum cassinoides (L.), White Rod, or Wild Raison (C); common.
Viburnum prunifolium (L.), Black Haw (C).
Viburnum pubescens (Pursh.), Downy Arrowhead (C).

COMPOSITAE.

- Boltonia asteriodes* (L.), L'her. (C).
Achillea millefolium (L.), Yarrow (C); common.
Ambrosia artemisiifolia (L.), Hogweed, Bitterweed (C); common.
Ambrosia trifida (L.), Great Ragweed (C); common.
Anaphalis margaritacea (B. & H.), Pearly Everlasting (C); common.
Antennaria canadensis (Greene), Ladies' Tobacco (C); common.
Antennaria neglecta (Greene), Indian Tobacco (C); common.
Antennaria neodioica (Greene), Cudweed (C); common.
Antennaria plantaginifolia (Greene), Pussy's Toes (C); common.
Anthemis cotula (L.), Mayweed (C); common.
Anthemis tinctoria (L.), Yellow Chamomile (C); common.
Aplopappus ciliatus (DC.), Cass (C).
Artemisia caudata (Michx.), Wormwood (C); common.
Artemisia kansana (Britton), Wormwood (C); common.
Artemisia longifolia (Nutt.), Long-eared Mugwort (C).
Artemisia ludoviciana (Nutt.), Western Mugwort (C).
Artemisia serrata (Nutt.), Wormwood (C).
Aster azureus (Lindl.), Skyblue Aster (C); common.
Aster commutatus (Gray), Aster (C); common.
Aster cordifolius (L.), Bushy Aster (C); common.
Aster drummondii (Lindl.), Aster (C); common.
Aster ericoides (L.), Frost-weed Aster; common.
Aster lowricanus (Porter), Lowrie's Aster (C); common.
Aster novae-angliae (L.), New England Aster (C); common.
Aster paniculatus simplex (Burgess), Aster (C).
Aster ptarmicoides (T. & G.), Upland White Aster (C).
Aster tradescanti (L.), Michaelmas Daisy (C).

- Aster vimineus foliolosus* (Ait.), Gray Aster (C).
Bellis perennis (L.), Daisy (B).
Bidens discoides (T. & G.), (C).
Brauneria angustifolia (DC.) Heller, Purple Cone-flower (C); common.
Brauneria pallida (Nutt.) Britton, Pale Purple Cone-flower (C).
Chrysanthemum leucanthemum var. *pinnatifidum* (Lecoq & La Motte), White Daisy (C).
Chrysanthemum segetum (L.), Corn Marigold (B); introduced.
Cirsium altissimus (L.) Spreng., Fall Thistle (C); common.
Cirsium undulatum (Nutt.) Spreng., Thistle (C); common.
Cirsium discolor (Muhl.) Spreng., Field Thistle (C); common.
Cirsium lanceolatum (L.) Hill, Bull Thistle (C); common.
Coreopsis palmata (Nutt.), Stiff Tickseed (B).
Coreopsis tinctoria (Nutt.), Garden Tickseed (B).
Dyssodia papposa (Vent.) Hitchc., Fetid Marigold (B).
Erigeron philadelphicus (L.), Fleabane (C); common.
Erigeron pulchellus (Michx.), Robin's Plantain (C); common.
Erigeron ramosus (Walt.) BSP., Daisy Fleabane (C).
Eupatorium altissimum (L.), Tall Thoroughwort (C).
Eupatorium capillifolium (Lam.) Small, Dog Fennel (C).
Eupatorium purpureum maculatum (L.) Darl., Spotted Joe Pye Weed (C).
Eupatorium perfoliatum (L.), Boneset (C); common.
Eupatorium purpureum (L.), Joe Pye Weed (C); common.
Eupatorium semiserratum (DC.); Small-flowered Thoroughwort (C).
Eupatorium urticaefolium (Reichard), White Snakeroot (B).
Gutierrezia sarothrae (Pursh.) Britton & Rushby, Gutierrezia (C).
Helenium autumnale (L.), Sneezeweed (C).
Helianthus decapetalus (L.), Wild Sunflower (C); common.
Helianthus giganteus (L.), Tall Sunflower (C).
Helianthus maximiliani (Schrad.), Maximilian's Sunflower (C).
Helianthus mollis (Lam.), Hairy Sunflower (B).
Helianthus occidentalis (Riddell), Few-leaved Sunflower (C).
Helianthus petiolaris (Nutt.), Prairie Sunflower (C).
Helianthus scaberrimus (Ell.), Stiff Sunflower (C).
Helianthus tuberosus (L.), Jerusalem Artichoke (C); common.
Hieracium aurantiacum (L.), Devil's Paint Brush (C); common, introduced.
Hieracium longipilum (Torr.), Long-bearded Hawkweed (C).
Hieracium venosum (L.), Rattlesnake Weed (C).

- Iva xanthifolia* (Nutt.), Burweed Marsh Elder (C); common.
Lactuca canadensis (L.), Wild Lettuce, Horseweed (C); common.
Lactuca floridana (L.) Gaertn., False or Florida Lettuce (C).
Lactuca spicata (Lam.) Hitchc., Tall Blue Lettuce (C).
Lactuca scariola (L.), Prickly Lettuce; common.
Lepachys pinnata (Vent.) T. & G., Gray Headed Cone-flower (C).
Liatris cylindracea (Michx.), Blazing Star (B).
Liatris punctata (Hook.), Dotted Button Snakeroot (C); not common.
Liatris pycnostachya (Michx.), Blazing Star (C); common.
Liatris scariosa (Willd.), Large Button Snakeroot (B).
Mikania scandens (L.) Willd., Climbing Wild Hemp (B).
Parthenium integrifolium (L.), American Fever-few (C).
Prenanthes alba (L.), White Lettuce (B).
Prenanthes serpentaria (Pursh.), Gall-of-the-earth (C); common.
Rudbeckia hirta (L.), Black-eyed Susan (C); common.
Rudbeckia laciniata (L.), Tall or Green-headed Cone-flower (C).
Rudbeckia triloba (L.), Thin-leaved Cone-flower (C).
Senecio aureus (L.), Golden Ragwort (C); common.
Senecio balsamitae (Muhl.), Balsam Groundsel (C).
Senecio canus (Hook.), Silvery Groundsel (C).
Senecio integerrimus (Nutt.), Entire-leaved Groundsel (C).
Senecio palustris (L.) Hook., Marsh Groundsel (C).
Senecio tomentosus (Michx.), Woolly Ragwort (C).
Sericocarpus linifolius (L.) BSP., Narrow-leaved White-topped Aster (C).
Solidago canadensis (L.), Canada Goldenrod (C); common.
Solidago canadensis gilvocanescens (Rybd.), Goldenrod (C).
Solidago houghtonii (T. & G.), Houghton's Goldenrod (B).
Solidago latifolia (L.), Broad-leaved Goldenrod (C); common.
Solidago neglecta (T. & G.), Swamp Goldenrod (C); common.
Solidago nemoralis (Ait.), Gray or Field Goldenrod (C); common.
Solidago rigida (L.), Stiff or Hard-leaved Goldenrod (C); common.
Solidago serotina (Ait.), Late Goldenrod (C); common.
Solidago stricta (Ait.), Wandlike or Willow-leaved Goldenrod (B).
Solidago ulmifolia (Muhl.), Elm-leaved Goldenrod (B).
Tanacetum vulgare (L.), Common Tansy (C); common.
Taraxacum officinale (Weber), Common Dandelion (C); common,
introduced.
Vernonia fasciculata (Michx.), Western Ironweed (C).
Vernonia noveboracensis (Willd.), Flat Top or New York Ironweed (C).

Xanthium canadensis (Mill), American Cocklebur (B).

Xanthium commune (Britton), Cocklebur (B).

CELASTRACEAE.

Celastrus scandens (L.), Climbing Bittersweet (C).

CRASSULACEAE.

Penthorum sedoides (L.), Ditch Stonecrop (C).

Sedum acre (L.), Mossy Stonecrop (B).

Sedum purpureum (Tausch.), Garden Orpine, Live-for-ever (C); introduced.

Sedum roseum (L.), Rose Root (B); Rare.

CRUCIFERAE.

Alyssum alyssoides (L.), Yellow or Small Alyssum (C); common, introduced.

Arabis dentata (T. & G.), Toothed Rock Cress (C); common.

Brassica arvensis (L.) Ktze., Mustard (C); not uncommon.

Brassica juncea (L.), Indian Mustard (C); not uncommon.

Brassica nigra (L.) Koch., Black Mustard (C); very common.

Brassica alba (L.) Boiss., White Mustard (C); rare.

Capsella bursa pastoris (L.) Medic., Shepherds Purse (C); very common.

Cardamine bulbosa (Sehre) BSP., Spring Cress (C); Abundant.

Cardamine douglassii (Torr.) Britton, Purple Cress (C); common.

Dentaria laciniata (Muhl.), Pepper Root, Toothwort (C); common.

Draba cuneifolia (Nutt.), Wedge-leaved Whitlow Grass (C).

Erysimum chiranthoides (L.), Wormseed Mustard (C); common.

Erysimum parviflorum (Nutt.), Wild Mustard (C).

Hesperis matronalis (L.), Dame's Violet (B); occasional.

Lepidium campestre (L.) R. Br., Cow Cress (C); introduced.

Lepidium draba (L.), Hoary Cress (C).

Lepidium virginicum (L.), Wild Peppergrass (C); common.

Lunaria annua (L.), Honesty (B); Rare.

Raphanus sativus (L.), Radish (C); occasional.

Radicula armoracia (L.) Robinson, Horseradish (C); common.

Radicula nasturtium-aquaticum (Britton & Rondle), True Water Cress; common.

Radicula palustris (L.) Moench, Marsh Cress (C); common.

Radicula palustris hispida (Desv.) Robinson, Water Cress (C); scarce.

Roripa curvisiliqua, Curved-fruited Cress (C).

Sisymbrium altissimum (L.), Tumble Mustard (C).

Sisymbrium incisum (Engelm.), Western Mustard Tansy (C); common.

Sisymbrium officinale (L.) Scop., Hedge Mustard (C); common.

Sisymbrium sophia (L.), Flizweed (C); common.

EQUISETACEAE.

Equisetum arvense (L.), Common Horsetail (C); common.

Equisetum hymale (L.), Scouring Rush (C); common.

Equisetum pratense (Ehrh.), Thicket Horsetail (C); common.

ERICACEAE.

Chimaphila maculata (L.) (Pursh.), Spotted Wintergreen (B).

Monotropa hypopitys (L.), Pinesap (C); rare.

Monotropa uniflora (L.), Corpse Plant (C); rare.

Pyrola americana (Sweet), Wintergreen (B).

Pyrola elliptica (Nutt.), Shin Leaf (B); scarce.

Vaccinium stamineum (L.), Squaw Huckleberry (C).

EUPHORBIACEAE.

Euphorbia corollata (L.), Flowering Spurge (C); abundant.

Euphorbia cyparissias (L.), Cypress Spurge (C).

Euphorbia geyeri (Engelm.), Geyer's Spurge (C); not rare.

Euphorbia heterophylla (L.), Painted Leaf (C); common.

Euphorbia humistrata (Engelm.), Hairy Spreading Spurge (C).

Euphorbia maculata (L.), Milk Spurge; not uncommon.

Euphorbia preslii (Guss.), Upright Spotted Spurge (C); common.

AMARANTHACEAE.

Amaranthus blitoides (Wats.), Amaranth (C); common.

Amaranthus palmeri (Wats.), Amaranth (C).

Amaranthus spinosus, Amaranth (C).

Amaranthus retroflexus.

ARALIACEAE.

Aralia nudicaulis (L.), Wild Sarsaparilla (B).

Aralia racemosa (L.), Spikenard (B).

Panax quinquefolium (L.), Ginseng (B).

APOCYNACEAE.

Apocynum androsaemifolium (L.), Dogbane (C).

CERATOPHYLLACEAE.

Ceratophyllum demersum (L.), Hornwort (B).

CYPERACEAE.

- Cyperus erythrorhizos* (Muhl.), Red-rooted Cyperus (C).
Cyperus aristatus (Rottb.), Awned Cyperus (C).

DIOSCOREACEAE.

- Dioscorea villosa* (L.), Wild Yam (B).

DROSERACEAE.

- Drosera rotundifolia* (L.), Sun-dew (B).

LINACEAE.

- Linum floridanum* (Planch.), Florida Yellow Flax (C).
Linum medium (Planch.), False Yellow Flax (B).
Linum usitatissimum (L.), Common Flax (B); common.

LYTHRACEAE.

- Ammannia auriculata* (Wild.), Loosestrife (B).
Lythrum alatum (Pursh.), Purple Loosestrife (C).
Lythrum salicaria (L.), Spiked Loosestrife (L).

MELASTOMACEAE.

- Rhexia virginica* (L.), Deer Grass (B).

OROBANCHACEAE.

- Orobanche uniflora* (L.), One-flowered Cancer Root.

SPARGANIACEAE.

- Sparganium eurycarpum* (Engelm.), Bur-reed (C).

FUMARIACEAE.

- Corydalis flavula* (Raf.) DC., One-Spurred Yellow Dutchman's Breeches.

- Corydalis sempervirens* (L.) Pers., Pale Rose Pink Corydalis (C).
Dicentra canadensis (Goldie) Walp., Squirrel Corn (C).

FAGACEAE.

- Quercus alba* (L.), White Oak (C); common.
Castanea dentata (Marsh.) Borkh., American Chesnut (C); introduced.

GRAMINEAE.

- Agrostis alba* (L.), Red Top (C); common.
Agropyrum repens (L.) Beauv., Quick Grass (C); common.
Aristida basiramea (Englm.), Triple-awned Poverty Grass (C).
Aristida tuberculosa (Nutt.), Triple-awned Poverty Grass (C).

- Arrhenatherum elatius* (L.) Beauv., Tall Oat Grass (C).
Bouteloua curtipendula (Michx.) Torr., Mesquite Grass (C); common.
Calamovilfa longifolia (Hook.) Hack., C.
Cenchrus carolinianus (Walt.), Sand Bur (C); common.
Cynodon dactylon (L.) Pers., Bermuda Grass (C).
Dactylis glomerata (L.), Orchard Grass (C); common.
Digitaria sanguinalis (L.) Scop., Crab Grass (C).
Echinochloa crus-galli (L.) Beauv., Barnyard grass (C).
Eleusine indica (Gaertn.), Goose Grass (C).
Elymus canadensis (L.), Nodding Wild Rye (C); common.
Elymus glaucus (Buckley), Smooth Wild Rye (C).
Elymus virginicus (L.), Virginia Wild Rye (C); common.
Eragrostis frankii (Fisch., Mey., & Lall.) Steud., Frank's Eragrostis (C).
Eragrostis megastachya (Koeler) Link, Strong-scented Eragrostis (C).
Milium effusum (L.), Tall Millet-grass (C).
Muhlenbergia sylvatica (Torr.), Wood Muhlenbergia (C).
Paspalum compressum (Sw.) Nees, (C).
Phleum pratense (L.), Timothy (C); common.
Poa compressa (L.), Canada Blue Grass (C); common.
Poa pratensis (L.), June Grass (C), Kentucky Blue Grass; common.
Setaria glauca (L.) Beauv., Foxtail (C); common.
Setaria italica (L.) Beauv., Hungarian Grass (C); common.
Setaria viridis (L.) Beauv., Bottle Grass (C); common.
Sorghastrum nutans (L.) Nash., Indian Grass (C); common.
Spartina cynosuroides (L.) Roth., Salt Reed Grass (C).

GENTIANACEAE.

- Gentiana andrewsii* (Griseb.), Closed Gentian (C); rather rare.
Gentiana crinita (Froel.), Fringed Gentian (B); rare.
Gentiana quinquefolia (L.), Stiff Gentian (C).
Gentiana saponaria (L.), Soapwort Gentian (C).

GERANEACEAE.

- Geranium maculatum* (L.), Wild Cranesbill (C); common.

HYDROPHYLLACEAE.

- Hydrophyllum appendiculatum* (Michx.), Appendaged waterleaf (C).
Hydrophyllum macrophyllum (Nutt.), Large-leaved waterleaf (C).
Hydrophyllum virginianum (L.), Virginia waterleaf (C).
Ellisia nyctelea (L.), Nyctelea (C); common.

HYPERICACEAE.

Hypericum adpressum (Bart.). This specimen was found in Mid-River park in Johnson county and shows strongly punctate leaves. This characteristic is not mentioned in the description, but is unlike our specimens of *Hypericum cistifolium* (Lam.). Otherwise it answers the description of *Hypericum adpressum*.

Hypericum cistifolium (Lam.), St. John's Wort (C).

Hypericum canadense (L.), Canadian St. John's Wort (C).

Hypericum gentianoides (L.) BSP., Pineweed (C).

Hypericum virginicum (L.), Marsh St. John's Wort (C).

IRIDACEAE.

Iris versicolor (L.), Larger Blue Flag (C).

Sisyrinchium angustifolium (Mill.), Northern Blue-eyed Grass (C).

Sisyrinchium gramineum (Curtis), Common Blue-eyed Grass (C).

JUGLANDACEAE.

Carya alba (L.) K. Koch., White-heart Hickory (C).

Carya glabra (Mill.) Spach., Pignut (C).

Carya ovata (Mill.) K. Koch., Shag-bark Hickory (C); common.

Juglans nigra (L.), Black Walnut (C).

LABIATAE.

Agastache scrophulariaefolia (Willd.) Ktze., Figwort Giant Hyssop (C).

Collinsonia canadensis (L.), Richweed (C).

Hedeoma hispida (Pursh.), Rough Pennyroyal (C).

Hedeoma pulegioides (L.) Pers., American Pennyroyal (C).

Isanthus brachiantus (L.) BSP., False Pennyroyal (C).

Lamium amplexicaule (L.), Henbit (C).

Lycopus americanus (Muhl.), Cutleaved Water Hoarhound (C).

Lycopus europaeus (L.), Water Hoarhound (C).

Lycopus lucidus americanus (Gray), Western Water Hoarhound (C).

Lycopus virginicus (L.), Bugle Weed (C).

Mentha arvensis (L.), American Wild Mint (C).

Mentha longifolia (L.) Huds., Horsemint (C).

Mentha piperita (L.), Peppermint (C).

Mentha spirata (L.), Spearmint (C).

Monarda didyma (L.), Oswego Tea (B).

Monarda fistulosa (L.), Wild Bergamot (C).

Monarda punctata (L.), Horsemint (C).

Nepeta cataria (L.), Catnip (C).

- Nepeta hederacea* (L.) Trevisan, Ground Ivy (C).
Physoslegia virginiana (L.) Benth., False Dragon-head (C).
Prunella vulgaris (L.), Healall (C).
Pycnanthemum flexuosum (Walt.) BSP., Narrow-leaved Mountain Mint (C).
Pycnanthemum pilosum (Nutt.), Hairy Mountain Mint (C).
Pycnanthemum virginianum (L.) Dur. & Jackson, Virginia Mountain Mint (C).
Scutellaria galericulata (L.), Marsh Skulleap (C).
Scutellaria lateriflora (L.), Mad-dog Skulleap (C).
Scutellaria versicolor (Nutt.), Heart-leaved Skulleap (C).
Stachys palustris (L.), Woundwort (C).
Stachys tenuifolia (Willd.), Smooth Hedge Nettle (C).
Teucrium canadense (L.), American Germander (C).
Teucrium occidentale (Gray), Hairy Germander (B).

LILIACEAE.

- Allium canadense* (L.), Wild Garlic (C).
Allium mutabile (Michx.), Wild Onion (C).
Allium schoenoprasum sibiricum (L.) Hartm., Chives (B); Escape.
Amianthium muscaetoxicum (Walt.) Gray, Fly Poison (C).
Erythronium albidum (Nutt.), Wild Dog's-tooth Violet (C); common.
Erythronium americanum (Ker.), Yellow Adder's Tongue (C).
Hemerocallis fulva (L.), Common Day Lily (C); rare, escape.
Lilium canadense (L.), Wild Yellow Lily (C).
Lilium philadelphicum (L.), Wild Orange-red Lily (C).
Lilium philadelphicum andinum (Nutt.) Ker., Western Red Lily (C).
Lilium superbum (L.), American Turk's Cap (C).
Trillium sessile (L.), Sessile-flowered Wake Robin (B).
Trillium declinatum (Gray) Gleason, Birthwort (C).
Trillium grandiflorum (Michx.) Salisb., Giant White Trillium (C); common.
Trillium nivale (Riddell), Wake Robin (C); common.
Trillium recurvatum (Beck.), Red Trillium (C); common.
Melanthium virginicum (L.), Bunch Flower (C); abundant.
Oakesia sessilifolia (L.) Wats., Sessile-leaved Bellwort (C).
Orinthogalum umbellatum (L.), Star-of-Bethlehem (C).
Polygonatum commutatum (R. & S.) Dietr., Smooth Solomon's Seal (C).
Smilacina racemosa (L.) Desf., False Spikenard (C).

- Smilacina stellata* (L.) Desf., Star-flowered Solomon's Seal (C).
Smilax ecirrhata (Engelm.) Wats., Upright Smilax (C).
Smilax herbacea (L.), Carrion Flower (C).
Uvularia grandiflora (Sim.), Large-flowered Bellwort (C).

LOBELIACEAE.

- Lobelia cardinalis* (L.), Cardinal Flower (C).
Lobelia inflata (L.), Indian Tobacco (C).
Lobelia spicata (Lam.), Pale Spike Lobelia (C).
Lobelia siphilitica (L.), Great Lobelia (C).

LENTIBULARIACEAE.

- Utricularia vulgaris* (L.), Greater Bladderwort (C).
Utricularia vulgaris americana (Gray), Bladderwort (B).

LYCOPODIACEAE.

- Lycopodium clavatum* (L.), Common Club Moss (C).
Lycopodium complanatum flabelliforme (Fernald), Ground Pine (C);
 very rare.

LEGUMINOSAE.

- Amorpha canescens* (Pursh.), Lead Plant (C).
Amorpha fruticosa (L.), False Indigo (C).
Amphicarpa monoica (L.) Ell., Hog Peanut (C).
Apios tuberosa (Moench.), Groundnut (C).
Astragalus canadensis (L.), Canada Milk Vetch (C).
Astragalus distortus (T. & G.), Bent Milk Vetch (B).
Astragalus mexicanus (A.) DC., Ground Plum (C).
Astragalus plattensis (Nutt.), Platte Milk Vetch (C).
Baptisia australis (L.) R. Br., Blue False Indigo (C).
Baptisia bracteata (Muhl.) Ell., Large-bracted Wild Indigo (C).
Baptisia lanceolata, False Indigo.
Baptisia leucantha (T. & G.), Large White Wild Indigo (C)
Baptisia tinctoria (L.) R. Br., Wild Indigo (C).
Cassia chamaecrista (L.), Partridge Pea (C); common.
Cassia nictitans (L.), Wild Sensitive Plant (C); rare.
Desmodium bracteosum longifolium (T. & G.), Robinson, Long-leaved
 Tick Foil (C).
Desmodium canadensis (L.) DC., Showy Tick Foil (C).
Desmodium illinoense (Gray), Illinois Tick Foil (C).
Desmodium laevigatum (Nutt.) DC., Smooth Tick Foil (C).
Desmodium paniculatum (L.) DC., Panicked Tick Foil (C).
Desmodium rotundifolium (Michx.) DC., Prostrate Tick Foil (C).

- Gleditschia triacanthus* (L.), Honey Locust (C).
Lathyrus palustris (L.), Marsh Vetchling (C).
Lathyrus venosus (Muhl.), Veiny Pea (C).
Lespedeza capitata (Michx.), Round-headed Bush Clover (C).
Medicago sativa (L.), Alfalfa (C).
Melilotus officinalis (L.) Lam., Yellow Melilot (C).
Petalostemon candidum (Michx.), Tall White Prairie Clover (B).
Petalostemon multiflorum (Vent.) Rydb., Round-headed Prairie Clover (B).
Petalostemon purpureum (Vent.) Rydb., Violet Prairie Clover (B).
Robinia pseudo-acacia (L.), Common Locust (C), escape.
Strophostyles helvola (L.) Britton, Trailing Wild Bean (C).
Strophostyles pauciflora (Benth.) Wats., Small Wild Bean (C).
Strophostyles umbellata (Muhl.) Britton, Pink Wild Bean (C).
Tephrosia virginiana (L.) Pers., Goats Rue (C).
Trifolium hybridum (L.), Alsike Clover (C).
Trifolium pratense (L.), Common Red Clover (C).
Trifolium procumbens (L.), Low Hop Clover (C).
Trifolium reflexum (L.), Buffalo Clover (B).
Trifolium stoloniferum (Muhl.), Running Buffalo Clover (C).
Vicia americana (Muhl.), American Vetch (C).
Vicia caroliniana (Walt.), Carolina Vetch (C).
Vicia sativa (L.), Spring Vetch.

MALVACEAE.

- Abutilon theophrasti* (Medic.), Velvet Leaf (C); common.
Callirhoe involucrata (T. & G.) Gray, Purple Poppy Mallow (C).
Hibiscus militaris (Cav.), Halberd-leaved Rose Mallow (C).
Hibiscus trionum (L.), Flower-of-the-hour (C).
Malva rotundifolia (L.), Common Mallow, Indian Cheese (C).

MENISPERMACEAE.

- Menispermum canadense* (L.), Moon Seed (C).

NAJADACEAE.

- Potamogeton perfoliatus* (L.), Claspingleaved Pond Weed (C).
Potamogeton pectinatus (L.), Fennel-leaved Pond Weed (C).
Potamogeton americanus (C. & S.), Long-leaved Pond Weed (C).
Potamogeton foliosus (Raf.), Leafy Pond Weed (C).

NYCTAGINACEAE.

- Oxybaphus nyctagineus* (Michx.) Sweet, Four O'clock (C); common.

NYPHACEAE.

- Castalia tuberosa* (Paine) Greene, Pond Lily (C).
Nymphaea adventa (Ait.), Yellow Pond Lily (C).

OXALIDACEAE.

- Oxalis filipes* (Small), Slender Yellow Wood Sorrel (C).
Oxalis stricta (L.), Upright Wood Sorrel (C); common.
Oxalis violacea (L.), Violet Wood Sorrel (C).

ORCHIDACEAE.

- Aplectrum hyemale* (Muhl.) Torr., Putty Root (C).
Arethusa bulbosa (L.), Arethusa (B).
Corallorrhiza maculata (Raf.), Large Coral Root (C).
Cypripedium candidum (Muhl.), Small Lady's Slipper (C).
Cypripedium hirsutum (Mill.), Showy Lady's Slipper (B).
Cypripedium parviflorum (Salisb.), Smaller Yellow Lady's Slipper (C).
Cypripedium parviflorum pubescens (Willd.) Knight, Downy Lady's Slipper (C).
Habenaria bracteata (Willd.) R. Br., Long-bracted Orchis (C).
Habenaria dilatata media (Rydb.) Ames, Green-flowered Orchid (C).
Habenaria lacera (Michx.) R. Br., Ragged Fringed Orchid (B).
Habenaria peramoena (Gray), Fringless Purple Orchid (B).
Habenaria psycodes (L.) (Sw.), Purple-fringed Orchid (B).
Orchid spectabilis (L.), Showy Orchid (C).
Pogonia ophioglossioides (L.) Ker., Snakemouth (B).
Pogonia trianthophora (Sw.) BSP., Nodding Pogonia (C).
Spiranthes cernua (L.) Richard, Lady's Tresses (C).
Spiranthes vernalis (Engelm. & Gray), Lady's Tresses (B).

ONOGRACEAE.

- Circaea intermedia* (Ehrh.), Enchanter's Nightshade (B).
Epilobium coloratum (Muhl.), Purple-flowered Willow Herb (C).
Gaura coccinea (Pursh.), Scarlet Gaura (B).
Oenothera biennis (L.), Common Evening Primrose (C).
Oenothera fruticosa (L.), Sundrops (C).
Oenothera rhombipetala (Nutt.), Evening Primrose (C).
Oenothera speciosa (Nutt.), White Evening Primrose (B).

PORTULACACEAE.

- Claytonia virginica* (L.), Spring Beauty (C); abundant.

POLYGALACEAE.

- Polygala cruciata* (L.), Cross-leaved or Marsh Milkwort (B).
Polygala senega (L.), Seneca Snakeroot (C).
Polygala sanguinea (L.), Field or Purple Milkwort (C).

PONTEDERIACEAE.

- Pontederia cordata* (L.), Pickerel Weed (C).

PRIMULACEAE.

- Dodecatheon media* (L.), Shooting Star (C); abundant.
Lysimachia nummularia (L.), Moneywort (B); introduced, escape.
Lysimachia quadrifolia (L.), Loosestrife (B).
Lysimachia thyrsiflora (L.), Tufted Loosestrife (C).
Steironema ciliatum (L.) Raf., Fringed Loosestrife (C).
Steironema lanceolatum (Walt.) Gray, Lance-leaved Loosestrife (C).

POLEMONIACEAE.

- Polemonia reptans* (L.), Bluebell, Hairbell (C); abundant.
Phlox bifida (Beck.), Clawed Phlox (C).
Phlox divaricata (L.), Broad-leaved Phlox (C); abundant.
Phlox maculata (L.), Wild Sweet William (C).
Phlox paniculata (L.), Garden Phlox (C).
Phlox pilosa (L.), Wild Sweet William (C).
Phlox procumbens, Phlox (C).
Phlox subulata (L.), Moss pink (B).

PAPAVERACEAE.

- Sanguinaria canadensis* (L.), Bloodroot (C); abundant.

POLYGONACEAE.

- Fagopyrum esculentum* (Moench.), Buckwheat (C).
Polygonum acre (HBK.), Water Smartweed (C).
Polygonum aviculare (L.), Yard Knotgrass (C).
Polygonum douglasii (Greene), Douglas Smartweed (C).
Polygonum dumetorum (L.), Hedge Buckwheat (C).
Polygonum erectum (L.), Erect Knot Grass (C).
Polygonum hydropiper (L.), Common Smart Weed (C).
Polygonum longistylum (Small), Long-styled Persicaria (C).
Polygonum orientale (L.), Prince's Feather (C); escape.
Polygonum prolificum (Small) Robinson, (C).
Polygonum ramosissimum (Michx.), Bushy Knotweed (C).
Polygonum sagittatum (L.), Arrow-leaved Tear Thumb' (C).

- Polygonum scandens* (L.), Climbing False Buckwheat (C).
Polygonum tenue (Michx.), Slender Knotweed (C).
Polygonum virginianum (L.), Virginia Knotweed (C).
Rumex acetosella (L.), Field Sorrel (C).
Rumex altissimus (Wood), Pale Dock (C).
Rumex britannica (L.), Great Water Dock (C).
Rumex crispus (L.), Yellow Dock (C).
Rumex obtusifolius (L.), Bitter Dock (C).
Rumex patientia (L.), Patience Dock (C).
Rumex verticillatus (L.), Swamp Dock (C).

PHRYMACEAE.

- Phyrma leptostachya* (L.), Lop Seed (C).

PLANTAGINACEAE.

- Plantago aristata* (Michx.), Large-bracted Plantain (C).
Plantago lanceolata (L.), English Plantain (C).
Plantago major (L.), Common Plantain (C).
Plantago media (L.), Hoary Plantain (B).
Plantago rugelii (Dene.), Rugel's Plantain (B).

ROSACEAE.

- Agrimonia gryposepala* (Wallr.), Tall Hairy Agrimony (C).
Amelanchier canadensis (L.), Medic., Service Berry (C); common.
Crataegus coccinea (L.), Rough Thorn (C).
Crataegus crus-galli (L.), Hawthorne (C).
Crataegus macracantha (Lodd.), Long-spined Thorn (B).
Crataegus mollis (T. & G.) Scheele, Red-fruited Thorn (C).
Crataegus punctata (Jacq.), Large-fruited Thorn (C).
Crataegus tomentosa (L.), Pear Thorn (C).
Fragaria virginiana (Duchesne), Wild Strawberry (C); common.
Geum canadense (Jacq.), White Avens (C).
Physocarpus opulifolius (L.), Maxim., Ninebark (C).
Potentilla anserina (L.), Silverweed (B).
Potentilla arguta (Pursh.), Glandular Cinquefoil (C).
Potentilla canadensis (L.), Five Finger (C).
Potentilla fruticosa (L.), Shrubby Five Finger (C).
Potentilla monspeliensis (L.), Rough Five Finger (C).
Potentilla palustris (L.), Scop., Marsh Five Finger (B).
Potentilla pentandra (Engelm.) Wats., Five-stamened Five Finger (C).
Prunus americana (Marsh.), Wild Plum (C); common.

- Prunus angustifolia* (Marsh.), Plum, escape.
Prunus instititia (L.), Blackthorn (C).
Prunus pennsylvanica (L. f.), Wild Red Cherry (C).
Prunus serotina (Ehrh.), Rum Cherry (C).
Prunus virginiana (L.), Choke Cherry (C).
Pyrus baccata (L.), Siberian Crab (C).
Rosa acicularis (Lindl.), Prickly Rose (C).
Rosa blanda (Ait.), Smooth Wild Rose (C).
Rosa carolina (L.), Swamp Rose (C).
Rosa humilis (Marsh.), Low or Pasture Rose (C).
Rosa setigera (Michx.), Climbing or Prairie Rose (C).
Rosa virginiana (Mill.), Dwarf Rose (C).
Rosa woodsii (Lindl.), Low Wild Rose (C).
Rubus canadensis (L.), Low Running Blackberry (C).
Rubus frondosus (Bigel.), High Bush Blackberry (C).
Rubus idaeus aculeatissimus (C. A. Mey.) Regal & Tiling.
Rubus villosus (Ait.), Dewberry (C).
Spiraea salicifolia (L.), Meadow Sweet (C).
Spiraea salicifolia (Variation), (C).
Spiraea tomentosa (L.), Hardhack (B).

RUBIACEAE.

- Cephalanthus occidentalis* (L.), Button Bush (C).
Galium aparine vaillantii (DC.) Koch., Cleavers (C).
Galium asprellim (Michx.), Rough Bedstraw (C).
Galium circaezans (Michx.), Wild Liquorice (C).
Galium concinnum (T. & G.), Shining Bedstraw.
Galium parisiense (L.), Wall Bedstraw (C).
Galium tricorne (Stokes), Rough-fruited Corn Bedstraw (C).
Galium triflorum (Michx.), Sweet-scented Bedstraw (C).
Houstonia caerulea (L.), Innocence (B).
Houstonia patens (Ell.), Small Bluets (C).
Houstonia minima, Bluet (C).

RHAMNACEAE.

- Ceanothus americanus* (L.), New Jersey Tea (C).

RANUNCULACEAE.

- Actaea alba* (L.), Mill., White Baneberry (B).
Anemone cylindrica (Gray), Long-fruited Anemone (C).
Anemone nemorosa (L.), Anemone (C).
Anemone parviflora (Michx.), Northern Anemone (C).

- Anemone patens wolfgangiana* (Bess.) Koch., Pasque Flower (C).
Anemone canadensis (L.), White Anemone (C).
Anemone quinquefolia (L.), Wood Anemone (C).
Anemonella thalictroides (L.), Spach., Rue Anemone (C); common.
Aquilegia canadensis (L.), Wild Columbine (C); common.
Caltha palustris (L.), Marsh marigold (C); common.
Clematis virginiana (L.), Virgin's Bower (B).
Clematis viorna (L.), Leather Flower (C); common.
Delphinium exaltatum, Tall Larkspur (C).
Delphinium penardi (Huth.), Prairie Larkspur (C).
Delphinium tricorne (Michx.), Dwarf Larkspur (C).
Hepatica triloba (Chaix.), Hepatica (C); common.
Hepatica triloba acutifolia, Liverwort (B).
Myosurus minimus (L.), Mouse-tail (C).
Ranunculus abortivus (L.), Small-flowered Crowfoot (C); abundant.
Ranunculus acris (L.), Tall Crowfoot (C).
Ranunculus aquatilis capillaceus (DC.), White Water Crowfoot (C).
Ranunculus bulbosus (L.), Bulbous Buttercup (C).
Ranunculus delphinifolius (Torr.), Yellow Water Crowfoot (C).
Ranunculus delphinifolius terrestris (Gray) Farwell, Large Water Crowfoot.
Ranunculus fascicularis (Muhl.), Northwestern Buttercup (C).
Ranunculus pennsylvanicus (LF.), Bristly Crowfoot (C).
Ranunculus purshii (Richards.), Yellow Water Buttercup (C); rare.
Ranunculus recurvatus (Poir.), Hooked Buttercup (C).
Ranunculus septentrionalis (Poir.), Swamp Buttercup (C).
Thalictrum dasycarpum (Fisch. & Lall.), Stinking Meadow Rue (C).
Thalictrum dioicum (L.), Early Meadow Rue (C).
Thalictrum polygamum (Muhl.), Tall Meadow Rue (C).

RUTACEAE.

- Zanthoxylum americanum* (Mill.), Northern Prickly Ash (C).

SAXIFRAGACEAE.

- Heuchera hispida* (Pursh.), Hairy Alum Root (C).
Mitella diphylla (L.), Bishop's Cap (C), common.
Parnassia caroliniana (Mx.), Grass of Parnassus (B).
Parnassia palustris (L.), Northern Grass of Parnassus (B).
Parnassia parviflora (DC.), Small-flowered Grass of Parnassus (B).
Ribes aureum (Pursh.), Missouri or Buffalo Currant (C).
Ribes cynosbati (L.), Prickly Gooseberry (C).
Ribes floridum (L'Her.), Wild Black Currant (C).

- Ribes gracile* (Mx.), Wild Gooseberry (C).
Ribes oxycanthoides (L.), Smooth Gooseberry (C).
Ribes rotundifolium (Mx.), Eastern Wild Gooseberry (C).
Saxifraga micranthidifolia (Haw.) Britton, Lettuce Saxifrage (B).
Saxifraga pennsylvanica (L.), Swamp Saxifrage (C).
Sullivantia sullivantii (T. & G.) Britton, Sullivantia (B).

SANTALACEAE.

- Comandra umbellata* (L.), Nutt., Bastard Toad Flax.

STAPHYLEACEAE.

- Staphylea trifolia* (L.), American Bladder Nut (C).

SALICACEAE.

- Populus deltoides* (Marsh.), Cottonwood (C).
Salix petiolaris (Sm.), Slender Willow (C).
Salix tristis (Ait.), Dwarf Willow (C).

SCROPHULARIACEAE.

- Castilleja coccinea* (L.) Spreng., Scarlet Painted Cup (C).
Castilleja sessiliflora (Pursh.), Hairy Painted Cup (C).
Gerardia purpurea (L.), Purple Gerardia (B).
Gerardia tenuifolia (Vahl.), Slender Gerardia (C).
Gratiola virginiana (L.), Clammy Hedge Hyssop (C).
Linaria cymbalaria (L.) Mill., Coliseum Ivy (B).
Linaria vulgaris (Hill), Butter and Eggs (C).
Mimulus ringens (L.), Monkey Flower (C).
Pedicularis canadensis (L.), Lousewort (C).
Scrophularia leporella (Bicknell), Hare Figwort (C).
Scrophularia marilandica (L.), Heal-all (C).
Verbascum blattaria (L.), Moth Mullein (C).
Verbascum lychnitis (L.), White Mullein (C).
Verbascum thapsus (L.), Common Mullein (C).
Veronica longifolia (L.), Speedwell (B).
Veronica virginica (L.), Culver's Root (C).

SOLANACEAE.

- Datura stramonium* (L.), Stramonium (C).
Datura tatula (L.), Purple Thorn Apple (C).
Physalis ixocarpa (Brotero), Tomatillo (B).
Physalis lanceolata (Mx.), Prairie Ground Cherry (C).
Physalis pubescens (L.), Low Hairy Ground Cherry (C).

Physalis subglabrata. (Mackenzie and Bush), Philadelphia Ground Cherry (C).

Solanum carolinense (L.), Horse Nettle (C).

Solanum dulcamara (L.), Bittersweet (C).

Solanum nigrum (L.), Common Nightshade (C).

Solanum rostratum (Dunal.), Buffalo Bur (C).

Solanum tuberosum (L.), Common Potato (C); escape.

TYPHACEAE.

Typha latifolia (L.), Common cat-tail (C).

THYMELAECEAE.

Dirca palustris (L.), Leatherwood (C); rare.

UMBELLIFERAE.

Angelica villosa (Walt.) BSP., Pubescent Angelica (C).

Carum carvi (L.), Caraway (C).

Chaerophyllum procumbens (L.) Crantz, Spreading Chervil (C).

Cicuta maculata (L.), Spotted Cowbane (C).

Conioselinum chinense (L.) BSP., Hemlock Parsley (C).

Conium maculatum (L.), Poison Hemlock (C).

Cryptotaenia canadensis (L.) DC., Honewort (C).

Heracleum lanatum (Mx.), Cow Parsnip (C).

Osmorhiza longistylis (Torr.) DC., Smooth Sweet Cicely (C).

Thaspium barbinode (Mx.) Nutt., Meadow Parsnip (C).

Zizia cordata (Walt.) DC., Heart-leaved Alexanders (C).

UTRICACEAE.

Boehmeria cylindrica (L.) Sw., False Nettle (C).

Cannabis sativa (L.), Hemp (C).

Humulus lupulus (L.), Common Hop (C).

Laportea canadensis (L.) Gaud., Wood Nettle (C).

Pilea pumila (L.) Gray, Clearweed (C).

Ulmus racemosa (Thomas), Rock Elm (C).

Ulmus americana, Elm (C).

Urtica urens (L.), Small nettle (C).

VITEACEAE.

Vitis cordifolia (Mx.), Frost or Chicken Grape (C).

VIOLACEAE.

Viola blanda (Willd.), Sweet White Violet (C).

Viola fimbriatula (Sm.), Ovate-leaved Violet (B).

- Viola palmata* (L.), Early Violet (C).
Viola pedata (L.), Bird-foot Violet (C).
Viola pedatifida (G. Don.), Cut-leaved Violet (C).
Viola pubescens (Ait.), Downy Yellow Violet (C).
Viola rotundifolia (Mx.), Yellow Violet (C).
Viola sagittata (Ait.), Arrow-leaved Violet (C).
Viola scabriuscula (Schwein.), Smooth Yellow Violet (C).
Viola sororia (Willd.), Wood Violet (C).

VERBENEACEAE.

- Lippia lanceolata* (Mx.), Fog-fruit (C).
Verbena angustifolia (Mx.), Narrow-leaved Vervain (C).
Verbena stricta (Vent.), Hoary Vervain (C).
Verbena urticaefolia (L.), White Vervain (C).

BOTANICAL LABORATORY,
COE COLLEGE, CEDAR RAPIDS.