

NATIVE PLANTS OF WHITE COUNTY—III.

LOUIS F. HEIMLICH, Purdue University.

The author's first report of native plants of White County was that of a single species, which at the time of publication was the first record of that plant for the state. The title of the paper is "The Primrose-leaved Violet in White County" and it appears in the Proceedings of the Indiana Academy of Science, 1914, pages 213-217.

The second report of native plants of White County is included in a thesis, written for the M.S. degree, Purdue University, 1916, and published in the Proceedings of the Indiana Academy of Science, 1917, pages 387-471, subject: The Trees of White County, Indiana, with some Reference to Those of the State. Included in the list of trees are also a number of native shrubs. The total number of species reported in the thesis is seventy-nine species and two varieties.

The list below includes one hundred and twenty species classified as one hundred fifteen species of herbs and five species of shrubs or woody vines. The author has made no attempt to collect plants below the Araceae. He also realizes that the list is very far from complete. Nearly all of the species here reported are represented by herbarium specimens. Most of the species were collected in Honey Creek Township about the vicinity of Reynolds. The nomenclature is that of Gray's New Manual of Botany, seventh Edition. The plants are listed in their natural order, followed by brief notes relating to distribution, abundance, etc. When no data is attached, it is understood that the species is more or less common in Honey Creek Township. The list contains many species which are not native but are more or less well established. Their origin, according to Gray, is mentioned in each case. The list follows.

HERBS.

Araceae (Arum Family).

1. *Arisaema triphyllum* (L.) Schott. Jack-in-the-pulpit.
2. *Arisaema dracontium* (L.) Schott. Green Dragon.
Tippecanoe river, three miles south of Buffalo.

Lemnaceae (Duckweed Family).

3. *Wolffia columbiana* Karst. Columbia Duckweed.
Backwater Tippecanoe river near mouth of Pike Creek.

Commelinaceae (Spiderwort Family).

4. *Tradescantia reflexa* Raf. Reflexed Spiderwort.

Liliaceae (Lily Family).

5. *Uvularia perfoliata* L. Perfoliate Bellwort.
6. *Uvularia grandiflora* Sm. Large-flowered Bellwort. Both species found along banks of Tippecanoe river.
7. *Lilium canadense* L. Wild Yellow Lily. Along railroads.

8. *Asparagus officinalis* L. Common Asparagus. Frequent escape, but not native.
9. *Smilacina racemosa* (L.) Desf. False Spikenard or Solomon Seal.
10. *Polygonatum biflorum* (Walt) Ell. Small Solomon Seal.
11. *Medeola virginiana* L. Indian Cucumber-root. Not common.
12. *Trillium recurvatum* Beck. Prairie Wakerobin.

Amaryllidaceae (Amaryllis Family).

13. *Hypoxis hirsuta* (L.) Coville. Star Grass.

Orchidaceae (Orchid Family).

14. *Calopogon pulchellus* (Sw) R. Br. Calopogon or Grass Pink. Very rare.
15. *Spiranthes cernua* (L.) Richard. Wild Tube-rose, Nodding or drooping Ladies' Tresses. Very rare.

Polygonaceae (Buckwheat Family).

16. *Rumex crispus* L. Yellow Dock.
17. *Rumex acetosella* L. Field or Sheep Sorrel.
18. *Polymonum aviculare* L. Knot-grass or Door-weed. Not native, but very common, Eurasia.

Chenopodiaceae (Goosefoot Family).

19. *Chenopodium album* L. Lamb's Quarters, Pigweed. Not native but very common.

Phytolaccaceae (Pokeweed Family).

20. *Phytolacca decandra* L. Common Pokeweed, Pigeon Berry. Poisonous.

Aizoaceae (Carpet-weed Family).

21. *Mollugo verticillata* L. Carpet Weed. Not native ? From farther south.

Caryophyllaceae (Pink Family).

22. *Stellaria media* (L.) Cyrill. Common Chickweed. Not native, from Europe. Common.
23. *Silene antirrhina* L. Sleepy Catchfly.
24. *Silene stellata* (L.) Ait. f. Starry Campion.
25. *Saponaria officinalis* L. Soapwort, Bouncing Bet. Not native, from Europe.

Portulacaceae (Purslane Family).

26. *Claytonia virginica* L. Spring Beauty.

Ranunculaceae (Crowfoot Family).

27. *Ranunculus abortivus* L. Small-flowered Crowfoot.
28. *Thalictrum dioicum* L. Early Meadow Rue.
29. *Hepatica acutiloba* DC. Hepatica. Tippecanoe river.
30. *Anemone quinquefolia* L. Wood Anemone.
31. *Caltha palustris* L. Marsh Marigold. Tippecanoe river.
32. *Aquilegia canadensis* L. Columbine. Tippecanoe river.

Berberidaceae (Barberry Family).

33. *Podophyllum peltatum* L. May apple, Mandrake.

Papaveraceae (Poppy Family).

34. *Sanguinaria canadensis* L. Bloodroot. Tippecanoe river.

Fumariaceae (Fumitory Family).

35. *Dicentra canadensis* (Goldie) Walp. Squirrel Corn.
36. *Corydalis sempervirens* (L.) Pers. Pale Corydalis.

Cruciferae (Mustard Family).

37. *Lepidium virginicum* L. Wild Peppergrass.
38. *Capsella Bursa-pastoris* (L.) Medic. Shepherd's Purse. Not native, very common. From Europe.
39. *Sisymbrium altissimum* L. Tumble Mustard. Not native. From Europe.

Capparidaceae (Caper Family).

40. *Polanisia graveolens* Raf. Clammy-weed.

Saxifragaceae (Saxifrage Family).

41. *Saxifraga pennsylvanica* L. Swamp Saxifrage.

Rosaceae (Rose Family).

42. *Fragaria virginiana* Duchesne. Wild Strawberry.
43. *Potentilla monspeliensis* L. Rough Cinquefoil, Barren Strawberry.
44. *Potentilla canadensis* L. Common Cinquefoil, Five-finger.

Leguminosae (Pea Family).

45. *Cassia chamaecrista* L. Partridge Pea.
46. *Lupinus perennis* L. Wild Lupine.
47. *Trifolium pratense* L. Red Clover.
48. *Trifolium repens* L. White Clover.
49. *Melilotus alba* Desr. White Melilot, Sweet Clover.
50. *Psoralea onobrychis* Nutt. Sainfoin Psoralea, French-grass.
51. *Petalostemum candidum* Michx. White Prairie Clover.

Linaceae (Flax Family).

52. *Linum medium* (Planch) Britton. Stiff Yellow Flax.

Oxalidaceae (Wood Sorrel Family).

53. *Oxalis violacea* L. Violet Wood Sorrel.

Geraniaceae (Geranium Family).

54. *Geranium maculatum* L. Wild Cranesbill.

Polygalaceae (Milkwort Family).

55. *Polygala sanguinea* L. Field or Purple Milkwort.

Euphorbiaceae (Spurge Family).

56. *Euphorbia corollata* L. Flowering Spurge.

Malvaceae (Mallow Family).

- 57. *Abutilon theophrasti* Medic. Velvet Leaf, Indian Mallow.
- 58. *Malva rotundifolia* L. Common Mallow, Cheeses.

Violaceae (Violet Family).

- 59. *Viola pedata* L. Bird-foot Violet.
- 60. *Viola papilionacea* Pursh. Meadow or Hooded Blue Violet.
- 61. *Viola sagittata* Ait. Arrow-leaved Violet.
- 62. *Viola lanceolata* L. Lance-leaved Violet.

Melastomaceae (Melastoma Family).

- 63. *Rhexia virginica* L. Meadow Beauty, Deer-grass.

Onagraceae (Evening Primrose Family).

- 64. *Ludvigia alternifolia* L. Seedbox, Rattlebox.
- 65. *Ludvigia hirtella* Raf. Hairy Ludwigia.
- 66. *Oenothera biennis* L. Common Evening Primrose.

Umbelliferae (Umbel Family).

- 67. *Eryngium aquaticum* L. Button Snakeroot, Rattlesnake weed.

Ericaceae (Heath Family).

- 68. *Monotropa uniflora* L. Indian Pipe, Corpse Plant. Rare, saprophytic or parasitic.
- 69. *Monotropa hypopitys* L. Pinesap, False Beech Drops. Rare, saprophytic or parasitic.

Primulaceae (Primrose Family).

- 70. *Steironema lanceolatum* (Walt) Gray. Lance-leaved Loosesstrife.
- 71. *Steironema quadrifolium* (Sims) Hitchc. Prairie Moneywort.
- 72. *Dodecatheon meadia* L. Shooting Star.

Asclepiadaceae (Milkweed Family).

- 73. *Asclepias tuberosa* L. Butterfly-weed, Pleurisy-root.
- 74. *Acerates floridana* (Lam) Hitchc. Florida Milkweed.

Polemoniaceae (Polemonium Family).

- 75. *Polemonium reptans* L. Jacob's Ladder, Bluebell, Greek Valerian.

Boraginaceae (Borage Family).

- 76. *Myosotis virginica* (L) BSP. Spring or Early Scorpion-grass, Forget-me-not.
- 77. *Lithospermum gmelini* (Michx) Hitchc. Hairy Puccoon.

Verbenaceae (Vervain Family).

- 78. *Lippia lanceolata* Michx. Fog-fruit.

Labiatae (Mint Family).

- 79. *Nepeta cataria* L. Catnip.
- 80. *Prunella vulgaris* L. Heal-all, Carpenter-weed.
- 81. *Physostegia virginiana* (L) Benth. Dragon-head, Obedient Plant.

- 82. *Stachys palustris* L. Woundwort.
- 83. *Monarda fistulosa* L. Wild Bergamot.
- 84. *Hedeoma pulegioides* (L) Pers. American Pennyroyal.
- 85. *Pycnanthemum virginianum* (L) Dur. & Jackson. Virginia Mountain Mint.
- 86. *Lycopus americanus* Muhl. Cut-leaved Water Hoarhound.
- 87. *Mentha piperita* L. Peppermint.
- 88. *Mentha gentilis* L. Spearmint.

Solanaceae (Nightshade Family).

- 89. *Solanum carolinense* L. Horse Nettle.
- 90. *Datura stramonium* L. Jimson Weed.

Scrophulariaceae (Figwort Family).

- 91. *Verbascum thapsus* L. Common Mullen. Naturalized from Europe.
- 92. *Scrophularia leporella* Bicknell. Hare Figwort.
- 93. *Veronica virginica* L. Culver's-root, Culver's-Physic.
- 94. *Veronica serpyllifolia* L. Thyme-leaved Speedwell.

Plantaginaceae (Plantain Family).

- 95. *Plantago major* L. Common Plantain. From Eurasia.
- 96. *Plantago lanceolata* L. Rib Grass, Buckthorn Plantain. From Europe.

Rubiaceae (Madder Family).

- 97. *Galium boreale* L. Northern Bedstraw.
- 98. *Galium tinctorium* L. Wild Madder.
- 99. *Houstonia caerulea* L. Bluets, Innocence.

Lobeliaceae (Lobelia Family).

- 100. *Lobelia cardinalis* L. Cardinal-flower. Scattered over county.

Compositae (Composite Family).

- 101. *Liatris spicata* (L) Willd. Dense Button-snakeroot, Devil's-bit.
- 102. *Antennaria plantaginifolia* (L) Richards. Plantain-leaved Everlasting.
- 103. *Ambrosia trifida* L. Great Ragweed.
- 104. *Ambrosia artemisiifolia* L. Ragweed, Roman wormwood.
- 105. *Lepachys pinnata* (Vent) T. & G. Gray-headed Cone-flower.
- 106. *Achillea millefolium* L. Common Yarrow, Milfoil. Eurasia.
- 107. *Anthemis cotula* L. May-weed, Dog Fennel. From Europe.
- 108. *Chrysanthemum leucanthemum* L. Ox-eye or White Daisy. From Europe.
- 109. *Tanacetum vulgare* L. Common Tansy. From Europe. One record of the escape of this plant. No plants at this locality at present.
- 110. *Taraxicum officinale* Weber. Common Dandelion. From Europe.
- 111. *Pyrrophappus carolinianus* (Walt) DC. False Dandelion.
- 112. *Prenanthes alba* L. Rattlesnake-root.
- 113. *Prenanthes trifoliata* (Cass) Fernald. Gall-of-the-earth.
- 114. *Prenanthes altissima* L. Tall White Lettuce.
- 115. *Hieracium venosum* L. Rattlesnake-weed.

SHRUBS or WOODY VINES.

Liliaceae (Lily Family).

116. *Smilax rotundifolia* L. Common Green Brier.

Rosaceae (Rose Family).

117. *Spirea latifolia* Borkh. Meadow-sweet.

Answers description of *S. alba* DuRoi of Britton and Brown better than the above name from Gray.

118. *Rosa humilis* Marsh. Pasture rose.

Leguminosae (Pea Family).

119. *Wisteria frutescens* (L) Poir. American Wisteria. Tippecanoe river.

Vitaceae (Grape Family).

120. *Vitis labrusca* L. Northern Fox Grape.