

A REPORT UPON CERTAIN COLLECTIONS OF PHANEROGAMS PRESENTED TO THE STATE BIOLOGICAL SURVEY. BY STANLEY COULTER.

During the past year the Survey has come into possession of three collections, embracing nearly one thousand species, which serve as a good foundation for the proposed herbarium. The specimens are unmounted and provision should be made in the near future for their permanent preservation. The collections, while representative, contain but a scant series of duplicates, so that at present the proposed distribution into sets is impossible. Much fuller collections must come into the hands of the Survey before this work can be undertaken.

The material has been derived chiefly from three sources :

1. A collection of about 500 species, selected from the duplicates of the herbarium of Purdue University. This represents for the most part forms of general distribution, although containing such exceptional forms as *Leavenworthia Michauxii*, *Sullivantia Ohionis* and *Brachychaeta cordata*.

2. A collection of 163 species from the Rev. E. J. Hill, of Englewood, Illinois. This collection is of especial value, since it is made up almost entirely of plants of exceptional or limited distribution. A fuller idea of the value of this collection may be gathered from an examination of the paper on *Noteworthy Indiana Phanerogams* (these Proceedings, p. —), to which reference is made.

3. A collection of some 300 species from Mr. H. J. Clements, of Washington, Daviess County. The collection of Mr. Clements was confined to the immediate vicinity of Washington, and the extent of the collection, the accuracy of determination and the completeness of the accompanying data are sufficient proofs of Mr. Clements' ability. As the collection stands for a new region, concerning which it is extremely desirable to have a full knowledge, I have made from the material furnished by Mr. Clements a provisional list of the flora of the vicinity of Washington. Some thirty sheets, chiefly *Asters*, are as yet undetermined. In the work of studying this collection I have been greatly aided by Miss Alida M. Cunningham, to whom the Survey is indebted for much critical work in the examination of Indiana forms.

The sedges and grasses have passed through the hands of Prof. J. Troop, to whom acknowledgment is thus made.

Until such time as the Directors of the Survey have determined the form in which the State flora shall appear it has been thought best to follow the nomenclature of Gray's Manual, sixth edition.

Provisional List of the Phanerogams in the Vicinity of Washington, Daviess County, Indiana. Based upon the collections of Mr. H. J. Clements, during the seasons of 1894 and 1895:

RANUNCULACEÆ.

Clematis Pitcheri Torr and Gray. (104.) "Near Prairie Creek, near B. & O. R. R. July 4, 1894."

Anemone Virginiana L. (99.) Woods south of Oak Grove and B. & O. R. R. July 4, 1894.

Anemone Pennsylvanica L. (81.) Abundant on north side of B. & O. R. R. west of Oak Grove.

Anemone thalictroides Spach. (17.) Rare. Woods west of Washington. April 13, 1895.

Thalictrum dioicum L. (54.) Sanford's Woods. May 4, 1895.

Thalictrum purpurascens L. (79.) South bank of railroad track, south of Oak Grove. May 18, 1895.

Ranunculus multifidus Pursh, var. *terrestris* Gray. (87.) First wood south of B. & O. R. R. and west of Oak Grove. May 18, 1895.

Ranunculus abortivus L. (13.) Common in wet places. B. & O. Railroad west of shops. April 5, 1894.

Ranunculus recurvatus Poir. (55.) Sanford's woods. May 14, 1894.

Ranunculus septentrionalis Poir. (27.) Common, hillsides in woods, low places, etc. April 20, 1894.

Ranunculus repens L. (80.) Hyatt's, south of B. & O. Railroad. May 18, 1895.

Isopyrum biternatum Torr and Gray. (12.) Woods south of B. & O. shops. April 13, 1894. This form was referred by Mr. Clements to *Thalictrum claratum*, DC., which does not occur in Indiana.

Delphinium tricornue Michx. (39.) Sanford's woods. April 21, 1894.

Actaea alba Bigel. (40.) Woods south of B. & O. Railroad and Oak Grove. April 27, 1894.

Hydrastis Canadensis L. (33.) Hyatt's woods, south of B. & O. shops. April 27, 1894.

MENISPERMACEÆ.

Menispermum Canadense L. (213.) South of Oak Grove. May 18, 1895.

BERBERIDACEÆ.

Podophyllum peltatum L. (34.) All woods. April 27, 1894.

PAPAVERACEÆ.

Sanguinaria Canadensis L. (11.) Common. Sanford's woods. East of Washington. April 5, 1894.

FUMARIACEÆ.

Dicentra Cucullaria DC. (20.) Hyatt's woods, south of B. & O. shops. April 14, 1894.

CRUCIFERÆ.

Dentaria laciniata Muhl. (14.) Woods south of Oak Grove. April 5, 1894.

Cardamine rhomboidea DC. (24.) Bretz's pasture, damp places along branch. Rather common. April 20, 1894.

Cardamine rhomboidea DC., var. *purpurea* Torr. (5.) Woods south of B. & O. Railroad at Oak Grove, two miles west of Washington. April 2, 1894.

Cardamine hirsuta L. (7.) Thin woods along Prairie creek. April 4, 1894. The determination is apparently correct, but the specimen sent the Survey is too immature for absolute certainty.

Draba Caroliniana Walt. (8.) One specimen found along fence row, about $3\frac{1}{2}$ miles north or northwest of Washington. April 4, 1895.

Sisymbrium officinale Scop. (145.) Common everywhere. August 4, 1895.

Brassica nigra Koch. (136.) Escaped about gardens, etc. July 29, 1895.

Lepidium Virginicum L. (124.) Common weed. July 29, 1895.

CAPPARIDACEÆ.

Polanisia graveolens Raf. (177.) Along B. & O. track in West Washington. July 4, 1895.

VIOLACEÆ.

Viola palmata L. (47.) Sanford's woods. Common. May 4, 1894.

Viola palmata L., var. *cucullata* Gray. (19.) Hyatt's woods, south of shops. April 13, 1894.

Viola pubescens Ait. (18.) Hyatt's woods, south of B. & O. shops. April 13, 1895.

CARYOPHYLLACEÆ.

Saponaria officinalis L. (97.) Common along roadsides, etc. July 4, 1895.

Silene stellata Ait. (102.) South of Oak Grove and B. & O. railroad. July 4, 1895.

Silene Virginica L. (71.) Abundant. Woods south of B. & O. Railroad, Oak Grove and west.

Silene antirrhina L. (305.) Along railroad track in shop yard. May 11, 1895.

Lychnis Githago Lam. (214.) Grain fields; B. & O. track at Relay Station. May 18, 1895.

Cerastium arvense L., var. *oblongifolium* Holl. and Brit. (42.) Edge of Hawkin's creek, southwest of B. & O. shops. April 27, 1894.

PORTULACACEÆ.

Claytonia Virginica L. (1.) Common with flower parts multiplied. Abundant later in all woods and meadows. March 30, 1894.

HYPERICACEÆ.

Hypericum maculatum Walt. (135.) Roadside, northeast of Washington. July 10, 1895.

MALVACEÆ.

Malva rotundifolia L. (288.) About dwellings. September 28, 1894.

Sida spinosa L. (208.) Weed about gardens and yards. September 28, 1894.

Hibiscus lasiocarpus Cav. (161.) Roadsides, one or two miles north of Washington. August 5, 1895.

Hibiscus militaris Cav. (162.) Bank of Swan pond. August 5, 1895.

TILIACEÆ.

Titia Americana L. (82.) Bank of White River, Hyatt's. Not common. May 18, 1895.

GERANIACEÆ.

Geranium maculatum L. (31.) Sandford's woods. April 27, 1894.

Geranium Carolinianum L. (243.) Waste ground, side of streets, etc. May 4, 1895.

Oxalis violacea L. (57.) Bretz' pasture. May 4, 1895.

Oxalis corniculata L., var. *stricta* Sav. (52.) Common everywhere. May 4, 1895.

Impatiens fulva Nutt. (126.) John Hyatt's woods. July 10, 1895.

CELASTRACEÆ.

Euonymus atropurpureus Jacq. (175.) Bank of Prairie Creek on B. & O. Railroad. July 4, 1895.

RHAMNACEÆ.

Ceanothus Americanus L. (103.) Woods south of B. & O. Railroad and Oak Grove. Herbaceous above, but drying down to wood base in winter.

VITACEÆ.

Vitis cordifolia Michx. (77.) Close to White River, near B. & O. bridge. May 18, 1895.

SAPINDACEÆ.

Negundo aceroides Moench. (83.) Near White River, along or near B. & O. track. May 18, 1895.

POLYGALACEÆ.

Polygala Senega L. (89.) Hyatt's woods, south of B. & O. Railroad. Also south of Oak Grove. May 18, 1895.

LEGUMINOSÆ.

Trifolium arvense L. (110.) About old canal, near B. & O. Railroad. July 4, 1895.

Trifolium pratense L. (237.) Waste places, roadsides, etc.

Petalostemon violaceus Michx. (165.) Roadside, Swan pond road. August 5, 1895.

Robinia Pseudacacia. (56.) Bretz' pasture. May 8, 1895.

Desmodium nudiflorum DC. (142.) Woods south of Oak Grove, and all woods. A nuisance. July 29, 1895. (223.) Fruiting specimen, August 10, 1895.

Desmodium acuminatum DC. (143.) Woods south of B. & O. Railroad and Oak Grove. July 29, 1895.

Desmodium pauciflorum DC. (174.) Woods two miles east of Washington. July 16, 1895.

Cercis Canadensis L. (28.) South of Oak Grove. April 23, 1894.

Cassia Marilandica L. (141.) Woods south of B. & O. Railroad at Oak Grove. July 29, 1895.

Cassia Chamæcrista L. (144.) Woods south of Oak Grove and B. & O. Railroad. July 29, 1895.

Gleditsia triacanthos L. (138.) Near Washington; no special habitat. July 29, 1895.

ROSACEÆ.

Prunus serotina Ehrh. (43.) Bretz' pasture. May 4, 1894.

Spiraea tomentosa L. (155.) Woods south of Oak Grove and B. & O. Railroad. July 29, 1895.

Geum album Gmelin. (130.) Very common in moist woods. July 10, 1895.

Fragaria Virginiana Mill., var. *Illinoensis* Gray. Railroad track and woods south of Oak Grove. May 11, 1895.

Potentilla Canadensis L. (44.) Bretz' pasture. May 4, 1894.

Agrimonia Eupatoria L. (149.) Woods south of B. & O. Railroad and Oak Grove. July 29, 1895.

Rosa humilis Marsh. (180.) South of Oak Grove. July 10, 1895.

SAXIFRAGACEÆ.

Hydrangea arborescens L. (128.) Sanford's woods. July 10, 1895.

CRASSULACEÆ.

Penthorum sedoides L. * (168.) Grassy pond. August 5, 1895.

LYTHRACEÆ.

Lythrum alatum Pursh. (101.) Two miles east of Washington on B. & O. Railroad. July 4, 1895.

ONAGRACEÆ.

Enothera fruticosa L. (151.) Woods south of Oak Grove. July 29, 1895.

Circæa Lutetiana L. (113.) John Hyatt's woods. July 13, 1895.

CUCURBITACEÆ.

Echinocystis lobata Torr. and Gray. (275.) Along ditch south of B. & O. shops, September 28, 1894.

UMBELLIFERÆ

Daucus Carota L. (93.) Along ditches beside B. & O. track. May 18, 1894.
(210.) Along B. & O. track. September 28, 1894.

Zizia aurea Koch. (92.) Along railroad track, edge of woods west of Washington. May 18, 1895.

Erigenia bulbosa Nutt. (2.) Beech woods, Hyatts, just south of B. & O. shops. March 30, 1894.

CORNACEÆ

Cornus florida L. (35.) Rather common. Hyatt's woods, south of shops. Some with pink involucre, April 27, 1894.

CAPRIFOLIACEÆ.

Triosteum angustifolium L. (254.) Hyatt's.

RUBIACEÆ.

- Cephalanthus occidentalis* L. (111.) Bank of Prairie Creek and B. & O. railroad. July 4, 1895.
- Spermacoce glabra* Michx. (170.) On side of Swan pond road. August 5, 1895.
- Galium circaeans* Michx. (188.) South of Oak Grove. May 18, 1895.
- Galium tripidum* L. (120.) Woods south of Oak Grove. Common. July and August.
- Galium concinnum* Torr and Gray. (181.) South of B. & O. railroad at Oak Grove. June 29, 1895.

COMPOSITE

- Elephantopus Carolinianus* Willd. (226.) Woods south of B. & O. railroad at Oak Grove. August 10, 1895.
- Vernonia fasciculata* Michx. (273.) Fields and roads. September 28, 1895.
- Eupatorium purpureum* L. (225.) Woods south of Oak Grove and B & O. railroad. Six to eight feet high. August 10, 1895.
- Eupatorium perfoliatum* L. (221.) Woods south of Oak Grove. August 10, 1895.
- Eupatorium agerutoides* L. (200.) Woods south of Oak Grove. September 28, 1894.
- Eupatorium celestinum* L. (232.) Near B. & O. shops, and in other places. August 22, 1895.
- Solidago coccinea* L. (199.) Woods south of Oak Grove. September 28, 1895.
- Solidago Canadensis* L. (274.) Waste fields, fence rows, etc. September 28, 1894.
- Aster laevis* L. (199 and 283.) Field west of B. & O. shops. September 28, 1894.
- Antennaria plantaginifolia* Hook. (25.) Abundant in patches. Bretz's pasture. April 20, 1894.
- Gnaphalium polyccephalum* Michx. (206.) Field west of Washington. September 28, 1894.
- Ambrosia artemisiifolia* L. (279.) Fields everywhere. September 28, 1894.
- Heliopsis laevis* Pers. (191.) Woods south of Oak Grove. September 28, 1894.
- Rudbeckia hirta* L. (179 and 190.) Woods south of B. & O. Railroad and at Oak Grove. July 4, 1895.
- Helianthus divaricatus* L. (156.) Woods south of B. & O. Railroad and at Oak Grove. July 29, 1895.

Helianthus hirsutus Raf. (271.) Woods south of Oak Grove. July 29, 1895.
Helianthus decapetalus L. (247.) Woods south of Oak Grove. August 15, 1895.
Bidens connata Muhl. (194.) Woods south of Oak Grove. September 28, 1895.
Helenium autumnale L. (204.) Railroad track near Oak Grove. September 28, 1894.

Achillea Millefolium L. (212.) Along railroad near Oak Grove. Common along roads. August 4, 1895.

Chrysanthemum Leucanthemum L. (94.) Railroad bank, west of Oak Grove. Edge of woods. June 8, 1894.

Tanacetum vulgare L. (159.) Roadside, about one mile north of West Washington. August 5, 1895.

Senecio aureus L. (88.) Hyatt's, south of B. & O. Railroad. May 18, 1895.

Cacalia atriplicifolia L. (158.) Woods south of B. & O. Railroad and Oak Grove. July 29, 1895.

Aretium Lappa L. (236.) Waste places. August 16, 1895.

Cnicus lanceolatus Hoffm. (239.) Vacant lots, etc. August 16, 1895.

Cnicus altissimus Willd. (192 and 272.) Railroad track west of shops. September 28, 1894.

Krigia amplexicaudis Nutt. (66.) Woods south of Oak Grove. May 11, 1895.

Lactuca Canadensis L. (281.) Along fence rows, etc. September 28, 1894.
 No. 137 also in all probability belongs here, although the form is too immature for accurate determination.

LOBELIACEÆ.

Lobelia cardinalis L. (163.) Edge of Swan pond. August 5, 1895.

Lobelia siphilitica L. (188a.) On same sheet with No. 188 and probably the same data.

Lobelia puberula Michx. (188 and 205.) Yard, corner E. 6th and Vantrus Sts.; near ditch west of shops. September 28, 1894.

Lobelia inflata L. (148.) Woods, south of Oak Grove. July 29, 1895.

CAMPANULACEÆ.

Specularia perfoliata DC. (219.) Side bank of B. & O. track at Hyatt's. June 15, 1895.

Campanula Americana L. (114.) John Hyatt's woods. July 17, 1895.

PRIMULACEÆ.

Streironema ciliatum Raf. (100.) Hyatt's woods and B. & O. tracks. July 4, 1895.

APOCYNACEÆ.

Amsonia Tubernmontana Walt. (86.) Abundant along Prairie Creek, south of B. & O. tracks. May 18, 1895.

Apocynum cannabinum L. (176.) Along railroad in wet places. July 4, 1895.

ASCLEPIADACEÆ.

Asclepias tuberosa L. (109.) Common south of Oak Grove, and B. & O. Railroad. July 4, 1895.

Asclepias purpurascens L. (186.) South of Oak Grove and B. & O. Railroad. June 1, 1895.

Asclepias incarnata L. (266.) John Hyatt's woods. July 14, 1895.

Asclepias Cornuti Decaisne. (263.) Along B. & O. Railroad, West Washington.

Asclepias variegata L. (185.) South of Oak Grove and B. & O. Railroad. June 1, 1895.

POLEMONIACEÆ.

Phlox paniculata L. (115.) John Hyatt's woods. July 13, 1895.

Phlox glaberrima L. (183.) Open woods, one-half mile west of Oak Grove. June.

Phlox pilosa L. (60.) South of Oak Grove. May 11, 1895.

Phlox divaricata L. (15.) Common, woods south of B. & O. shops. April 13, 1894.

Polemonium reptans L. (53.) Bretz' pasture. May 4, 1895.

HYDROPHYLLACEÆ.

Hydrophyllum appendiculatum Michx. (304.) Hyatt's woods, south of B. & O. shops. June 1895.

Phacelia bipinnatifida Michx. (32.) Hyatt's woods, just south of B. & O. shops. April 27, 1894.

BORRAGINACEÆ.

Heliotropium Indicum L. (228.) Roadside three miles north of Washington. August 5, 1895.

Cynoglossum Virginicum L. (63.) Woods south of railroad at Oak Grove. May 11, 1895.

Echinopspermum Virginicum Lehm. (258.) Woods two miles east of Washington. July 16, 1895.

Lithospermum canescens Lehm. (252.) South of Oak Grove, near railroad track. May 11, 1895.

CONVOLVULACEÆ.

Ipomœa purpurea Lam. (289.) Gardens, etc. September 28, 1894.

SOLANACEÆ.

Solanum nigrum L. (140.) Common about yards. July 29, 1895.

Solanum Carolinense L. (276.) Waste places. September 28, 1895.

Physalis Philadelphica Lam. (91.) Along B. & O. Railroad and in woods south of Oak Grove.

Physalis pubescens L. (139.) About yards. July 29, 1895.

Datura Stramonium L. (230.) Near Washington. September 28, 1895.

Datura Tatula L. (229.) Near Swan Pond. Not so common as No. 230. August 5, 1895. As Mr. Clements confused the two species the inference is that *Tatula* is the abundant form.

SCROPHULARIACEÆ.

Verbascum Blattaria L. (134.) Common in waste places. July 10, 1895.

Linaria vulgaris Mill. (244.) Common weed, lots and streets, September 10, 1895.

Scrophularia nodosa L., var. *Marilandica* Gray. (70.) Oak Grove on railroad track. May 18, 1895.

Pentstemon pubescens Solander. (189.) Railroad track south of Oak Grove.

Pentstemon lorigatus Solander, var. *Digitalis* Gray. (216.) Hyatt's. Wet places. June 6, 1895.

Mimulus alatus Ait. (164.) Prairie Creek bridge, Swan Pond road. August 5, 1895.

Veronica Virginica L. (95.) Along B. & O. railroad, two miles west of Washington. July 4, 1895.

Veronica peregrina L. (22.) Bretz's pasture. April 14, 1894.

Gerardia quereifolia Pursh. (171.) Woods south of B. & O., and Oak Grove. Flowers, lemon-color. Plant, six to eight feet high. August 10, 1895.

Gerardia purpurea L. (193.) Woods south of Oak Grove. September 28, 1894.

BIGNONIACEÆ.

Tecoma radicans Juss. (96.) Along B. & O. tracks, west of Washington. July 4, 1895.

ACANTHACEÆ.

Ruellia strepens L. (303.) Abundant along Prairie Creek at Hyatt's. May 18, 1895.

VERBENACEÆ.

Verbena urticifolia L. (285.) Common weed in waste places. September 28, 1894.

Verbena angustifolia Michx. (119.) Along railroad track east of Washington. July 16, 1894.

Verbena hastata L. (270.) Yard of B. & O. shops. August, 1895. (132.) Wilson's woods; wet places.

Verbena stricta Vent. (133.) Common plant along railroad and in vacant lots. July 10, 1895.

Verbena bracteosa Michx. (125.) Growing along sidewalks, etc. July 31, 1895.

Lippia lanceolata Michx. (122.) Common, growing along grassy fences and in pastures. July and August.

Phryma Leptostachya L. (131.) Sanford's woods. July 10, 1895.

LABIATÆ.

Teucrium Canadense L. (106.) South of B. & O. Railroad and Oak Grove. July 4, 1895.

Mentha piperita L. (150.) Along railroad tracks. July 29, 1895.

Lycopus rubellus Moench. (277 and 291.) Field west of B. & O shops. September 28, 1894.

Pycnanthemum lanceolatum Pursh. (173.) Abundant in waste lands two miles east of Washington. July 16, 1895.

Monarda fistulosa L. (105.) Woods south of Oak Grove. July 4, 1895.

Blephilia hirsuta Benth. (129.) Wilson's woods, along branch east of Washington. July 10, 1895.

Nepeta Glechoma Benth. (64.) West Eighth Street and B. & O. track. May 11, 1894.

Scutellaria lateriflora L. (169) Near Swan Pond. August 5, 1895.

Scutellaria canescens Nutt. (107.) Woods south of Oak Grove. July 4, 1895.

Scutellaria nervosa Pursh. (68.) Woods south of Oak Grove. May 11, 1895.

Brunella vulgaris L. (153.) South of B. & O. at Oak Grove. July 29, 1895.

Marrubium vulgare L. (168.) Swan Pond. August 5, 1895.

Laniam ampleuricoule L. (248.) Side of northeast Sixth Street, near Walnut. May 11, 1895.

ILLECEBRACEÆ.

Anychia dichotoma Michx. (121.) South of B. & O. railroad at Oak Grove, in edge of woods.

Anychia capillacea DC. (264.) South of Oak Grove, near railroad.

AMARANTACEÆ.

Amarantus retroflexus L. (234.) Gardens, yards, etc. July.

Amarantus albus L. (211.) Weed about gardens. September 28, 1894.

Amarantus spinosus L. (209.) Weed in all gardens, etc. September 28, 1894.

CHENOPODIACEÆ.

Chenopodium album L. (290.) Common weed. September 28, 1894.

PHYTOLACCACEÆ.

Phytolacca decandra L. (147.) Common, roadsides, etc. July 29, 1895.

POLYGONACEÆ.

Rumex Britannica L. (238.) Waste places. August 16, 1895.

Rumex Acetosella L. (69.) Common everywhere in waste places. May 18, 1894.

Polygonum Pennsylvanicum L. (286.) Yards, etc. September 28, 1894.

Polygonum orientale L. (235.) Escaped from yards. August 16, 1895.

Polygonum Virginianum L. (146.) Woods south of Oak Grove and B. & O. Railroad. July 29, 1895.

Polygonum dumetorum L., var. *scandens* Gray. (117.) John Hyatt's woods and E. & I. Railroad. July 13, 1894.

ARISTOLOCHIACEÆ.

Asarum Canadense L. (85.) South of B. & O. tracks at Hyatt's. Not common. May 18, 1895.

SANTALACEÆ.

Comandra umbellata Nutt. (249 and 306.) Woods south of Oak Grove, where woods run into a low, grassy place. May 11, 1895.

EUPHORBIACEÆ.

Euphorbia Preslii Guss. (280.) Weed in waste places. September 28, 1894.

Euphorbia corollata L. (154.) Common along banks of B. & O. Railroad and woods south of Oak Grove. July 29, 1895.

URTICACEÆ.

Laportea Canadensis Gaudichaud. (116.) John Hyatt's woods. July 13, 1895.

Buhmeria cylindrica Willd. (267.) John Hyatt's woods. July 13, 1895.

Parietaria Pennsylvanica Muhl. (267a.) John Hyatt's woods. July 13, 1895.

IRIDACEÆ.

Iris versicolor L. (72.) First pond beyond Oak Grove, south of B. & O. tracks. May 18, 1894.

Belamcanda Chinensis Adans. (127.) In pasture on Sanford's farm. July 10, 1895.

Sisyrinchium angustifolium Mill. (90.) Prairie Creek, west of Washington. May 18, 1895.

AMARYLLIDACEÆ.

Agave Virginica L. (233.) Near B. & O. Railroad, two miles east of Washington. Six to seven feet high. July 16, 1895.

DIOSCOREACEÆ.

Dioscorea villosa L. (59.) Woods south of B. & O. Railroad and Oak Grove. May 11, 1894.

LILIACEÆ.

Smilax herbacea L. (45.) Sanford's woods. Common in all woods. May 4, 1894.

Smilax Pseudo-China L. (78.) A vine covering a small tree. Bank of White River, north of B. & O. track. May 18, 1894.

Allium Canadense Kalm. (75.) Prairie Creek, south of B. & O. Railroad. May 18, 1894.

Camassia Fraseri Torr. (76.) Prairie Creek, south of Oak Grove. May 18, 1894.

Polygonatum biflorum Ell. (61.) Woods south of Oak Grove. May 11, 1894.

Polygonatum giganteum Dietrich. (253.) Beside railroad track near Oak Grove. May 18, 1895.

Asparagus officinalis L. (160.) About one mile north of West Washington. August 5, 1895.

Smilacina racemosa Desf. (46.) Sanford's woods. May 4, 1894.

Ureularia grandiflora J. E. Smith. (23.) Woods south of Oak Grove. April 21, 1894.

Erythronium Americanum Ker. (19a.) Hyatt's woods, south of B. & O. shops. April 14, 1895.

Erythronium albidum Nutt. (16.) Woods south of B. & O. shops. April 13, 1894.

Trillium sessile L. (74.) Hyatt's, south of B. & O. Railroad. Not common in this vicinity. May 18, 1894.

Trillium recurvatum Beck. (21.) Common in most woods. April 20, 1894.

Trillium erectum L. (30.) East of Washington. April 26, 1894.

COMMELINACEÆ.

Tradescantia Virginica L. (62.) Common. Railroad bank and woods south of Oak Grove. May 11, 1894.

ARACEÆ.

Arisema triphyllum Torr. (38.) Hyatt's woods, south of B. & O. shops. April 27, 1894.

Arisema Dracontium Schott. (73.) Prairie Creek, south of B. & O. Railroad. May 18, 1895.

ALISMACEÆ.

Sagittaria variabilis Engelm. (245.) Ditch, south of B. & O. shops. September 10, 1895.

CYPERACEÆ.

Cyperus strigosus L. (202.) Along ditch, west of shops. September 28, 1895.

Carex Grayii Carey. (300.) Wet places near B. & O. Railroad at Hyatt's. May 18, 1895.

Carex Shortiana Dewey. (301.) Hyatt's, near B. & O. Railroad. May 18, 1895.

Carex crinita Lam. (217.) Hyatt's. June 6, 1895.

Carex tereticaucula Gooden. (302.) Wet places near Hyatt's. May 18, 1895.

GRAMINEÆ.

Panicum microcarpon Muhl. (308.) Two miles east of Washington. July 4, 1895.

Cenchrus tribuloides L. (201.) Along railroad tracks. September 28, 1895.