

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON.

THIRD LIST OF ADDITIONS TO THE FLORA OF
WASHINGTON, D. C.

BY THEODOR HOLM.*

The following list is supplemental to Professor Lester F. Ward's "Guide to the Flora of Washington and Vicinity," † since the publication of which two additional lists have been issued. ‡ The present paper covers the period from April 1, 1886, to April 1, 1892. The species which are new to the flora have been marked with an asterisk, but besides these many of the rarer species have been included, with records of new localities. The known flora has been increased by about 80 species and varieties since the year 1886. Some of the plants that are new to the District seem to have been accidentally introduced; for example: *Silene noctiflora*, *Althæa cannabina*, *Sida Napæa*, *Medicago maculata*, *Lespedeza striata*, *Veronica agrestis* and *V. hederæfolia*, *Brunella laciniata*, *Panicum miliaceum*, *Hordeum pratense*, etc. The others, however, are species indigenous to the United States which heretofore have been overlooked or which may

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† Bulletin No. 22, U. S. National Museum, 1831.

‡ Ward, Proc. Biol. Soc., vol. II, 1885, pp. 84-87; Knowlton, *ibid.*, vol. III, 1886, pp. 103-132.

have immigrated from adjacent territory. In the latter category appear to be several species from the Potomac shore: *Ranunculus Pennsylvanicus*, *Flærkæa proserpinacoides*, *Phacelia Covillei*, etc. The flora of the District is, however, probably not yet thoroughly known, and we need simply to recall the fact that a locality so rich as that near Silver Hill thus far seems to have escaped attention, and the river banks between Chain Bridge and Great Falls are yet far from being well explored.

It was the author's intention to give some additional notes in regard to the time of flowering, as many new facts have been reported; but these have not been included in the following list, because it has been found almost impossible to state with any certainty the true dates for many of the species in question. This is especially true of the spring flowers. In the year 1890, for instance, about forty species were found in bloom as early as the 15th of January, but in 1892 only a few were observed before the end of March.

It has been thought best to follow the nomenclature and arrangement of Professor Ward's Flora.

It is intended to continue the publication of lists of additions, and the botanists of Washington are requested to send to the author their notes upon species new to the District and upon new localities for rare plants.

RANUNCULACEÆ.

3. *Clematis Virginiana* L.

Anacostia road and Mill road, flowering in the first week of August. H. W. Henshaw.

* 20a. *Ranunculus Pennsylvanicus* L.

On the Virginia shore of the Potomac, just above Aqueduct Bridge; collected with flowers and fruit in the third week of August. The author.

* 22a. *Caltha palustris* L.

Flowering specimens brought to Center Market were said to have been collected in Anacostia River marsh at Bennings Bridge and three miles north of Bladensburg. The specimens referred to in Mr. Knowlton's list as collected in Rock Creek belong not to this species, but to *Ranunculus Ficaria* L. It is very

doubtful, however, whether these specimens were really found in the District.

26. *Aconitum uncinatum* L.

Woodley Park, first week of September. H. W. Henshaw.

BERBERIDACEÆ.

32. *Berberis vulgaris* L.

A tall shrub on the top of a hill between Eckington and Brookland. The author.

33. *Caulophyllum thalictroides* Michx.

Woodley Park. J. G. Gurley.

NYMPHÆACEÆ.

***38a. *Nymphæa tuberosa* Paine.**

Below the Alexandria turnpike bridge, Little Hunting Creek, Va. William Hunter.

SARRACENIACEÆ.

39. *Sarracenia purpurea* L.

Silver Hill. G. W. Oliver.

PAPAVERACEÆ.

40. *Papaver dubium* L.

On the canal embankment just above Outlet Lock. J. G. Gurley. Gravelly flat at the mouth of Cystopteris Run, below Chain Bridge. E. S. Burgess.

40a. *Argemone Mexicana* L.

Seventeenth street near Boundary. W. H. Seaman. Abundant in Brookland. The author.

CRUCIFERÆ.

47. *Nasturtium silvestre* R. Br.

Open lot east of the Navy Yard. Lester F. Ward. River margin at the stone quarry below Rhododendron Run. E. S. Burgess.

- * 49a. *Nasturtium palustre* DC. var. *hispidum* Fisch. & Mey.

Flats of the Potomac below Chain Bridge. G. B. Sudworth.

- * 50a. *Nasturtium sessiliflorum* Nutt.

Flats below Chain Bridge, May 29, 1890. G. B. Sudworth.

55. *Arabis dentata* Torr. & Gray.

Common on the Potomac shore just above Aqueduct Bridge, Virginia. The author.

70. *Sisymbrium Alliaria* Scop.

High Island. Miss Bebb.

72. *Camelina sativa* Crantz.

Several specimens were observed along the Chesapeake and Ohio Canal, east of High Island, in the third week of May. G. B. Sudworth.

74. *Brassica nigra* Koch.

Upon the rocks on the Virginia shore at Chain Bridge. The author.

78. *Thlaspi arvense* L.

Below the Insane Asylum. Lester F. Ward.

CISTACEÆ.

80. *Helianthemum Canadense* Michx.

Mount Hamilton. E. S. Burgess. Opposite Oak Hill Cemetery and at Bennings. G. W. Oliver.

VIOLACEÆ.

- * 89b. *Viola canina* L., var. *Muhlenbergii* Gray.

Fourteenth street road and Rock Creek, June, 1889. G. W. Oliver.

- * 89c. *Viola odorata* L.

Near Accotink, Fairfax County, Virginia. William Hunter.

POLYGALACEÆ.

96. *Polygala incarnata* L.

Terra Cotta swamp and along the Queens Chapel road. Lester F. Ward and the author.

98. *Polygala fastigiata* Nutt.

Saul's nursery, Bladensburg turnpike. Lester F. Ward and the author.

99a. *Polygala Curtissii* Gray, var. *pyncnostachya* Gray.

Abundant at Fort Myer. The author.

100. *Polygala ambigua* Nutt.

Common near Fort Ethan Allen. H. W. Henshaw. Linden Farm, Seventh and Eighth street roads, and Kalorama. E. S. Burgess. Brookland. The author. Fort Myer. H. W. Henshaw.

***100a. *Polygala cruciata* L.**

Very abundant in a sphagnum swamp near Silver Hill. G. W. Oliver.

***101a. *Polygala verticillata* L.**

Abundant near Fort Myer, flowering in the third week of August. H. W. Henshaw.

CARYOPHYLLACEÆ.

106. *Silene nivea* Otth.

Alexander Island, flowering in the last week of June. H. W. Henshaw. Gulf Landing, Potomac shore. G. B. Sudworth.

***107a. *Silene noctiflora* L.**

Columbia road, August. W. H. Seaman.

***110a. *Lychnis vespertina* Sibth.**

Numerous flowering specimens found in a meadow near Bunker Hill; first week of May, 1892. The author.

***117a. *Stellaria graminea* L.**

Abundant in the hedge of Chinese arbor-vitæ north of the conservatories, Department of Agriculture. George Vasey.

ILLECEBRACEÆ.

124a. *Scleranthus annuus* L.

West bank of Rock Creek, Georgetown. G. W. Oliver.

PORTULACACEÆ.

126, Claytonia Virginica L.

A double-flowered form observed at Beaver Dam Branch.
Lester F. Ward.

* **126a. Talinum teretifolium Pursh.**

Dry moorland beyond Silver Hill. G. W. Oliver.

ELATINACEÆ.

* **126b. Elatine Americana Arn.**

Near Chain Bridge, on the Virginia shore of the Potomac;
March, 1891. The author.

HYPERICACEÆ.

128. Ascyrum stans Michx.

Very common in several swamps near Silver Hill. G. W.
Oliver. Accotink, Fairfax County, Virginia. William Hunter.
Swamp back of Hyattsville. Lester F. Ward.

MALVACEÆ.

* **137a. Althæa cannabina L.**

Vacant lots south of the Capitol; escaped from cultivation.
G. W. Oliver.

* **138a. Sida Napæa Cav.**

Potomac flats near the continuation of Eighteenth street; in
flower during the first week of October. E. S. Burgess.

GERANIACEÆ.

* **151a. Flœrkea proserpinacoides Willd.**

High Island. M. B. Waite.

ILICINEÆ.

* **158a. Ilex glabra Gray.**

Swamp beyond Silver Hill. G. W. Oliver.

SAPINDACEÆ.

174. *Acer saccharinum* Wang.

A sapling of this, together with one of var. *nigrum*, neither in flower, was found on the second island in the Potomac above Feeder Dam Island. F. V. Coville.

LEGUMINOSÆ.

186. *Baptisia australis* R. Br.

Great Falls. H. W. Henshaw.

* 191a. *Medicago maculata* Willd.

Fifteenth street, opposite the Panorama building. Miss A. M. Hayes. White House grounds. Countess Sponneck.

* 194a. *Trifolium medium* L.

A single specimen found in an old sandy field between Georgetown and Alexandria. G. B. Sudworth.

195a. *Trifolium hybridum* L.

Monument grounds. Miss A. M. Hayes. Brookland, Soldiers Home, and near Fort Myer. The author.

* 195b. *Trifolium incarnatum* L.

Several specimens collected in the city parks. C. S. Prosser.

* 220a. *Lespedeza striata* L.

Railroad banks at the south end of Long Bridge; also along the Conduit road near the distributing reservoir. G. W. Oliver. Corcoran Woods. Lester F. Ward.

230. *Clitoria Mariana* L.

Abundant, with ripe fruits, Terra Cotta and Rock Creek. Lester F. Ward and the author.

ROSACEÆ.

* 257a. *Rubus odoratus* L.

Several flowering specimens found in a damp, wooded ravine near the National Observatory, in the second week of June, 1890. G. B. Sudworth.

270. *Poterium Canadense* Benth. & Hook.

Swamp near Bladensburg. H. W. Henshaw. Holmead Swamp. Lester F. Ward and the author.

282. *Cratægus Oxyacantha* L.

Corcoran Woods; a single shrub. The author.

285. *Cratægus parvifolia* Ait.

Beyond Silver Hill. G. W. Oliver.

SAXIFRAGACEÆ.

289. *Mitella diphylla* L.

South bank of Cascade Run, near the mouth. E. S. Burgess.

291. *Chrysosplenium Americanum* Schwein.

Rock Creek, nearly opposite Crystal Spring. Lester F. Ward. Several places in the ravines above Aqueduct Bridge, on the Virginia shore. The author.

DROSERACEÆ.

300. *Drosera rotundifolia* L.

Sarracenia Swamp and near Fort Ethan Allen. H. W. Henshaw. Common in swamps east of Silver Hill. G. W. Oliver.

MELASTOMACEÆ.

*** 306a. *Rhexia Mariana* L.**

Near Accotink, Fairfax County, Virginia. William Hunter. Clearing in the pine woods, Marlborough road. G. W. Oliver.

LYTHRACEÆ.

307. *Ammania humilis* Michx.

Swamp in Piney Branch woods, and very common in swamps between Eckington and Brookland. The author.

ONAGRACEÆ.

*** 316a. *Oenothera pumila* L.**

Brentwood road, opposite Eckington. Lester F. Ward. Dry hills near Fort Myer; flowering in the second week of May. The author.

UMBELLIFERÆ.

342. *Thaspium aureum* Nutt.

Great Falls and above Aqueduct Bridge. The author.

ARALIACEÆ.

349. *Aralia spinosa* L.

Numerous small trees, but not flowering, near the Fort Myer road. Lester F. Ward.

350. *Aralia nudicaulis* L.

Rocks above the Promontory, Rock Creek. Lester F. Ward
Rocks above Aqueduct Bridge, on the Potomac shore. Fr. Svendsen and the author.

352. *Aralia trifolia* Decsne.

Piney Branch below Fourteenth street bridge; with flowers in the third week of April. Countess Sponneck.

CAPRIFOLIACEÆ.

360. *Viburnum nudum* L.

Sphagnum swamp, Hensons Creek. G. W. Oliver.

***369a. *Diervilla trifida* Moench.**

Rock Creek. G. W. Oliver.

RUBIACEÆ.

372. *Houstonia purpurea* L., var. *longifolia* Gray.

Very common on the flats below Chain Bridge; also on rocks at Great Falls. The author.

374. *Mitchella repens* L.

The variety with white fruits has been collected by G. W. Oliver.

377. *Galium asprellum* Michx.

In woods near the Insane Asylum. Lester F. Ward and the author.

VALERIANACEÆ.

*383a. *Valerianella Woodsiana* Walp.

High Island and the Canal bank below, May. F. V. Coville.

384. *Fedia olitoria* Vahl.

Massachusetts avenue extended. E. S. Burgess.

COMPOSITÆ.

*388a. *Vernonia noveboracensis* Willd., var. *latifolia* Gray.

Terra Cotta, Linnaean Hill, and Cascade Run. E. S. Burgess.

*398a. *Eupatorium perfoliatum* L., var. *truncatum* Gray.

Woodley Park. E. S. Burgess.

*400a. *Eupatorium aromaticum* L., var. *melissoides* Gray.

Woodley Park; in flower during the third week of September. E. S. Burgess.

402. *Mikania scandens* L.

Terra Cotta swamp. H. W. Henshaw and E. S. Burgess. Swamp near Queens Chapel road. Lester F. Ward and the author.

404. *Liatris scariosa* Willd.

A single specimen found above Chain Bridge, on the Virginia shore; flowering in the second week of October. E. S. Burgess.

415. *Solidago rigida* L.

Still persisting at Woodley Bridge, October, 1888. E. S. Burgess.

*415a. *Solidago serotina* Ait.

Abundant near the second lock and near the Anacostia road beyond Sligo. H. W. Henshaw.

*423a. *Solidago canadensis* L., var. *scabra* Torr. & Gray.

Rock Creek; flowering in October. E. S. Burgess.

*423b. *Solidago canadensis* L., var. *procera* Torr. & Gray.

Near Spout Run. E. S. Burgess.

* 428*a*. **Aster Shortii** Hook.

A mile above Aqueduct Bridge, on the shore of the Potomac, near Spout Run; in flower in the last week of October. E. S. Burgess.

* 428*b*. **Aster azureus** Lindl.

Terra Cotta; flowering in the second week of October. E. S. Burgess.

430. **Aster concolor** L.

Terra Cotta swamp; in flower during the second week of October. E. S. Burgess. Rather common near the Reform School. Lester F. Ward and the author.

* 431*a*. **Aster patens** Ait., var. **phlogifolius** Nees.

Woodley Park; in flower during the first week of October. E. S. Burgess.

432. **Aster lævis** L.

Still persisting in Woodley Park, October, 1888. E. S. Burgess.

435. **Aster cordifolius** L.

Just beginning to bloom in the last week of August. H. W. Henshaw.

* 444*a*. **Aster puniceus** L., var. **lucidulus** (Wend.) Gray.

Terra Cotta. H. W. Henshaw.

446. **Aster prenanthoides** Muhl.

River bank near the storage-house of the Independent Ice Company. E. S. Burgess.

447. **Aster oblongifolius** Nutt.

Above Hydrophyllum Run. E. S. Burgess.

448. **Aster Novæ-Angliæ** L.

Woodley Park. J. J. Shirley. Potomac flats. Lester F. Ward and the author. Eighteenth street extended. Mouth of Foundry Run. Outlet Lock. E. S. Burgess.

450. Aster umbellatus Mill.

Terra Cotta swamp, near the railway track. Swamps below Freedman's Village. E. S. Burgess.

453. Erigeron bellidifolius Muhl.

Woodley Park. Lester F. Ward. Fort Totten. The author.

457. Baccharis halimifolia L.

Near Accotink Station, Virginia, on the Alexandria and Fairfax railway; flowering in the second week of September. William Hunter. Opposite Marshall Hall. G. W. Oliver.

* **459a. Antennaria plantaginifolia** Hook., var. **monocephala** Gray.

Pierce's Mill Bridge, April 28, 1889. G. W. Oliver.

462. Gnaphalium purpureum L.

Potomac shore. Lester F. Ward. Common in Terra Cotta Swamp. Brookland. The author.

465. Silphium trifoliatum L.

Still persisting near Woodley Bridge, October, 1888. E. S. Burgess.

* **465a. Silphium laciniatum** L.

At the southeastern end of Woodley Bridge; first discovered by J. W. Chickering; found more recently by E. S. Burgess.

* **472a. Heliopsis scabra** Dun.

Near Spout Run; flowering in the first week of October. E. S. Burgess.

473. Eclipta alba Hassk.

Piney Branch, above the bridge at Fourteenth street. E. S. Burgess.

494a. Bidens connata Muhl.

Accotink, Fairfax County, Virginia. William Hunter.

497a. Galinsoga parviflora Cav.

Corner of Rhode Island avenue and S street. Piney Branch, above the bridge at Fourteenth street. E. S. Burgess. Massachusetts avenue, between Fourteenth and Fifteenth streets. The author.

* 502*d.* *Artemisia caudata* Michx.

Near Alexandria; introduced. G. W. Oliver.

503. *Arnica nudicaulis* Ell.

Reform School. E. S. Burgess. Terra Cotta. Rock Creek. Queen's Chapel road. Bowen road. H. W. Henshaw.

* 513*a.* *Cnicus pumilus* Torr.

Woodley Park. G. B. Sudworth.

* 524*a.* *Hieracium Marianum* Willd.

Bank of the Potomac, opposite the south end of Analostan Island. E. S. Burgess.

* 529*a.* *Lactuca Scariola* L.

This plant has lately been observed in several places within the city by Lester F. Ward, F. V. Coville, and the author.

LOBELIACEÆ.

537. *Lobelia cardinalis* L.

Holmead Swamp. Along the road between Cabin John Bridge and Great Falls. Near Corcoran Woods. Lester F. Ward and the author.

539. *Lobelia puberula* Michx.

Terra Cotta. The author.

CAMPANULACEÆ.

543. *Campanula Americana* L.

Cabin John Run. Miss Joyce Lee.

ERICACEÆ.

550. *Epigæa repens* L.

Autumnal flowers found in the last week of October. F. W. Clarke.

551. *Gaultheria procumbens* L.

Near Marlborough road. One mile above Blagden's Mill. G. W. Oliver.

- 558. *Rhododendron viscosum* Torr., var. *glaucum* Gray.**

Swamp northwest of Terra Cotta. E. S. Burgess.

- 559. *Rhododendron viscosum* Torr., var. *nitidum* Gray.**

Swamp northwest of Terra Cotta. E. S. Burgess.

PYROLACEÆ.

- 564. *Pyrola secunda* L.**

Near Chain Bridge, on the Virginia shore. The author.

PRIMULACEÆ.

- 577. *Lysimachia nummularia* L.**

Along a stream near Terra Cotta. I. C. Williams and the author.

- * **577a. *Centunculus minimus* L.**

Field opposite the white school-house at Woodlawn, along the Alexandria and Accotink turnpike; last week of June. William Hunter.

- 579. *Samolus Valerandi* L., var. *Americana* Gray.**

Abundant above and below Chain Bridge. Along the Potomac below Analostan Island. G. B. Sudworth.

APOCYNACEÆ.

- 585. *Vinca minor* L.**

Back of Uniontown, along a stream in a hedge of *Smilax*; thoroughly established. Lester F. Ward. Hillside in South Brookland. The author.

- 585a. *Apocynum androsæmifolium* L.**

Between Corcoran Woods and the Baltimore and Ohio Railroad. Lester F. Ward and the author.

ASCLEPIADACEÆ.

- 594. *Asclepias obtusifolia* Michx.**

Anacostia River below the bridge. Reform School. Terra Cotta. E. S. Burgess.

595. *Asclepias variegata* L.

Terra Cotta. Reform School. E. S. Burgess. Fort Myer.
The author.

596. *Asclepias quadrifolia* Jacq.

Chamælirium Run. E. S. Burgess.

597. *Asclepias verticillata* L.

Cascade Run. E. S. Burgess. Rock Creek. Great Falls.
Lester F. Ward and the author.

599. *Enslenia albida* Nutt.

Abundantly flowering under Chain Bridge, in the middle of
July. Lester F. Ward and the author.

600. *Gonolobus obliquus* R. Br.

Bluffs of the Potomac, at two localities between M. E. Church
and Chain Bridge. H. W. Henshaw and E. S. Burgess.

LOGANIACEÆ.

*** 601a. *Spigelia Marilandica* L.**

In a moist thicket in the vicinity of Mount Vernon; flower-
ing in June, 1890. G. B. Sudworth.

GENTIANACEÆ.

*** 602a. *Sabbatia gracilis* Salisb.**

Low meadow east of Falls Church. C. Kinsley.

604. *Gentiana Andrewsii* Griseb.

Flats between Aqueduct and Chain bridges. Lester F. Ward
and the author. Terra Cotta Swamp. Lester F. Ward.

607. *Obolaria virginica* L.

Rock Creek. G. W. Oliver. Several places in North Brook-
land. The author.

POLEMONIACEÆ.

608. *Phlox paniculata* L.

Great Falls. Lester F. Ward and the author.

609. Phlox maculata L.

Near Chain Bridge, on the Virginia shore. Terra Cotta Swamp. The author.

613. Polemonium reptans L.

Munson Hill. H. W. Henshaw.

HYDROPHYLLACEÆ.

615. Ellisia Nyctelea L.

Poplar Point. E. S. Burgess. On the Potomac shore, Virginia side, near Aqueduct Bridge. The author.

***615a. Phacelia Covillei Wats.**

Larkspur Island. Lester F. Ward, F. V. Coville, and M. B. Waite.

616. Phacelia Purshii Buckl.

High Island. Lester F. Ward. On the Virginia shore of the Potomac, near Aqueduct Bridge. The author.

617. Phacelia parviflora Pursh.

Great Falls; observed in great abundance. The author. Analostan Island and High Island. G. B. Sudworth.

CONVOLVULACEÆ.

630. Ipomæa coccinea L.

Vacant lot near the Baptist Church, southeast corner of Rawlin's Square. E. S. Burgess.

635. Convolvulus spithamæus L.

Reform School. E. S. Burgess.

***636a. Convolvulus sepium L., var. Americanus.**

Near Aqueduct Bridge, on the Virginia shore. The author.

640a. Cuscuta compacta Juss.

Near Fort Myer. The author.

SOLANACEÆ.

* 641a. *Solanum Dulcamara* L.

Hedgerow a short distance west of the railroad below Alexandria. G. W. Oliver.

643. *Physalis pubescens* L.

Still persisting in Lobelia Run, Woodley Park. E. S. Burgess.

* 643a. *Physalis Philadelphica* L.

Woodley Park. G. B. Sudworth.

SCROPHULARIACEÆ.

651. *Linaria Canadensis* Dumont.

Abundant in dry fields near Terra Cotta. I. C. Williams and the author.

654. *Scrophularia nodosa* L.

Virginia shore near Spout Run. E. S. Burgess. Cascade Run. Lester F. Ward. Flats below Chain Bridge. The author.

656. *Pentstemon pubescens* Soland.

Virginia shore of the Potomac above the Dixie Landing. Mount Hamilton. E. S. Burgess. Mouth of Cystopteris Run. H. W. Henshaw.

657. *Pentstemon lævigatus* Soland.

Mouth of Cystopteris Run. H. W. Henshaw. High Island. Near Great Falls. E. S. Burgess. Corcoran Woods. Near Fort Myer. The author.

666. *Veronica Americana* Schwein.

Goldianum Run. Lester F. Ward.

669. *Veronica serpyllifolia* L.

Woodlawn, Fairfax County, Virginia. William Hunter.

* 669a. *Veronica agrestis* L.

Accotink, Fairfax County, Virginia. William Hunter. The plant was collected in full bloom in the first week of February.

* 671a. *Veronica hederæfolia* L.

Smithsonian grounds; in flower in the last week of April.
H. M. Smith.

672. *Buchnera Americana* L.

East of Cabin John Bridge. H. W. Henshaw. Terra Cotta.
Lester F. Ward and the author.

675. *Gerardia quercifolia* Pursh.

Fort Myer. H. W. Henshaw.

676. *Gerardia purpurea* L.

A white-flowered variety, collected near Woodlawn, Fairfax
County, Virginia. William Hunter.

OROBANCHEÆ.

681. *Orobanche minor* L.

Mount Vernon Square, near Terra Cotta. E. S. Burgess.
Piney Branch woods. The author.

682. *Aphyllon uniflorum* Gray.

Chamæliurium Run. E. S. Burgess. Insane Asylum woods.
Near Aqueduct Bridge, on the Virginia shore. The author.
Bull Run River, Virginia. Rock Creek. H. W. Henshaw.

LABIATÆ.

713. *Pycnanthemum muticum* Pers.

Queen's Chapel road and near Fort Myer. H. W. Henshaw.

725. *Lophanthus nepetoides* Bth.

Fort Bennett. H. W. Henshaw.

* 734a. *Brunella laciniata* L.

South bank of the Potomac, in a pasture a few hundred yards
west of the uppermost steamboat landing above Aqueduct
Bridge; flowering in the second week of July. F. V. Coville.

738a. *Lamium purpureum* L.

Agricultural grounds. G. B. Sudworth.

PLANTAGINEÆ.

745. *Plantago Patagonica* Jacq., var. *aristata* Gray.

Woodley Park. G. B. Sudworth.

POLYGONACEÆ.

- 773a. *Polygonum tenue* Michx.

Lanier Heights. E. S. Burgess.

- *775a. *Polygonum Hartwrightii* Gray.

Potomac flats just below Outlet Lock ; not seen in flower. F. V. Coville.

ARISTOLOCHIACEÆ.

788. *Aristolochia Serpentaria* L.

Seven Locks. E. S. Burgess. Observed in several places in woods, but always scattered. Lester F. Ward, G. W. Oliver, and the author.

LORANTHACEÆ.

794. *Phoradendron flavescens* Nutt.

Growing upon *Acer rubrum*, *Quercus tinctoria*, and *Q. coccinea*. Woodlawn, near Mount Vernon, Virginia. William Hunter. On *Acer rubrum*, five miles west of Falls Church, Virginia. Lester F. Ward.

EUPHORBIACEÆ.

803. *Euphorbia commutata* Eng.

Cystopteris Run. E. S. Burgess. Virginia shore of the Potomac above Aqueduct Bridge. The author.

801. *Phyllanthus Carolinensis* Walt.

Rediscovered in Corcoran Woods. G. W. Oliver.

URTICACEÆ.

816. *Parietaria Pennsylvanica* Muhl.

In a thicket between Aqueduct Bridge and Chain Bridge, near the Canal road. Lester F. Ward and the author.

JUGLANDACEÆ.

818. *Carya alba* Nutt.

One large tree, standing on the north side of the Braddock road near Back Lick Run, opposite the *Ophioglossum* grounds. Lester F. Ward.

MYRICACEÆ.

825. *Myrica cerifera* L.

Sphagnum swamp beyond Silver Hill. G. W. Oliver. North Brookland. Robert Ridgway.

CUPULIFERÆ.

831a. *Quercus alba* × *obtusiloba*.

Near Silver Spring. H. W. Henshaw.

831b. *Quercus alba* × *Prinus*.

Rockville road opposite Oakview. H. W. Henshaw.

*** 833a.** *Quercus lyrata* Walter.

About one hundred yards east of High Island, near the Potomac River. G. B. Sudworth.

835. *Quercus Michauxii* Nutt.

Above the Silver Hill road. Lester F. Ward. Owl Bridge, Northwest Branch of Paint Branch, Maryland. H. W. Henshaw.

836a. *Quercus Prinus* × *alba*.

Brightwood. H. W. Henshaw.

837. *Quercus Muhlenbergii* Engelm.

Blagden's Mill. Bluffs above the canal road west of Chain Bridge. Broad Branch. First run east of Cabin John Bridge. H. W. Henshaw.

838. *Quercus prinoides* Willd.

Bladensburg road. H. W. Henshaw.

*840a. *Quercus coccinea* × *falcata*.

Brightwood, between Bunker Hill road and Brentwood road.
H. W. Henshaw.

*842a. *Quercus falcata* × *tinctoria*.

Le Droit Park. H. W. Henshaw.

848. *Quercus Leana* Nutt.

Cabin John Bridge. H. W. Henshaw.

849. *Quercus heterophylla* Michx.

Fort Bennett. H. W. Henshaw.

ARACEÆ.

874. *Arisæma Dracontium* Schott.

Near Spout Run. E. S. Burgess. Great Falls, on the Maryland side. Lester F. Ward and the author.

LEMNACEÆ.

*879a. *Lemna gibba* L.

Old canal, foot of Eighteenth and Twentieth streets. Lester F. Ward.

NAIADACEÆ.

884. *Najas flexilis* Rostk.

Several fruiting specimens were collected in the *Brasenia* pond near Chain Bridge. G. W. Oliver.

887. *Potamogeton hybridus* Michx.

Alexandria. G. W. Oliver.

*888a. *Potamogeton Robbinsii* Oakes.

Hunting Creek, Virginia. F. V. Coville.

ORCHIDACEÆ.

900. *Orchis spectabilis* L.

Several places in the woods above Aqueduct Bridge, on the Virginia shore. The author. Near the first bridge over Rock Creek on Connecticut avenue extended. G. B. Sudworth.

901. *Habenaria tridentata* Hook.

Beyond Silver Hill. G. W. Oliver.

909. *Spiranthes gracilis* Bigel.

Smithsonian Park. Piney Branch. Eastern Branch woods.
The author.

914. *Tipularia discolor* Nutt.

North Brookland. Robert Ridgway. Fort Myer. The author.

915. *Microstylis ophioglossoides* Nutt.

Sandy Spring road; a single specimen. H. W. Henshaw.
Near Blagden's Mill. P. Gauges.

917. *Liparis Lceselii* Rich.

North end of Massachusetts Avenue bridge. G. W. Oliver.

919. *Corallorhiza multiflora* Nutt.

Below Burnt Mills; four specimens in flower in the second
week of August. H. W. Henshaw.

HÆMODORACEÆ.

925. *Aletris farinosa* L.

Fort Whipple; above Blagden's Mill. H. W. Henshaw. Silver Hill. G. W. Oliver and M. B. Waite.

IRIDACEÆ.

927. *Iris verna* L.

Bladensburg. M. B. Waite.

LILIACEÆ.

946. *Smilacina stellata* Desf.

About forty specimens in full bloom, besides several younger individuals, were observed on a shaded rock about three miles above Aqueduct Bridge, on the Virginia shore, in the second week of May. The author.

947. *Maianthemum Canadense* Desf.

Swamp near the Reform School. G. W. Oliver.

* 949a. *Lilium Philadelphicum* L.

Broad Branch. H. W. Henshaw. Glen Echo. W. H. Abbott.

956. *Melanthium Virginicum* L.

Several specimens brought to Center Market were said to have been collected near Alexandria.

957. *Veratrum viride* Ait.

Like the preceding, brought to the market from near Alexandria.

* 961a. *Ornithogalum nutans* L.

Rock Creek, Pierce's Mill Run; last week of April. G. Brown Goode and H. W. Henshaw. Meadow east of Foundry Run. F. V. Coville.

COMMELINACEÆ.

983. *Commelina Virginica* L.

Bank near Chain Bridge, on the Virginia shore. H. W. Henshaw.

XYRIDACEÆ.

985. *Xyris flexuosa* Muhl.

Meadow beyond Silver Hill. Swamp near the Reform School. G. W. Oliver.

ERIOCAULONACEÆ.

986. *Eriocaulon decangulare* L.

Silver Hill. G. W. Oliver.

CYPERACEÆ.

986b. *Cyperus flavescens* L.

Abundant along streams in the Piney Branch woods. Near Chain Bridge. The author.

994. *Cyperus Michauxianus* Schult.

Pond near Chain Bridge. The author.

998. *Cyperus retrofractus* Torr.

Mount Hamilton. Lester, F. Ward and the author. Along the Canal road. The author.

***1003a. *Eleocharis olivacea* Torr.**

Holmead Swamp; flowering in the last week of September. The author.

***1003b. *Eleocharis tuberculosa* R. Br.**

Holmead Swamp; abundant. The author.

1010. *Scirpus debilis* Pursh.

Abundant in swamps near Cabin John Bridge. The author.

1017. *Eriophorum Virginicum* L.

Swamp beyond Silver Hill. G. W. Oliver.

***1021a. *Rhynchospora cephalantha* Gray.**

Holmead Swamp. The author.

***1021b. *Rhynchospora macrostachya* Torr.**

Accotink, Fairfax County, Virginia. William Hunter.

***1021c. *Rhynchospora corniculata* Gray.**

Sandy Landing, Maryland. Lester F. Ward.

1022. *Scleria triglomerata* Vahl.

Terra Cotta Swamp. The author. Reform School. G. W. Oliver.

1024. *Scleria pauciflora* Muhl.

Terra Cotta Swamp. Saul's nursery on the Bladensburg turnpike. Along the Anacostia river marsh. The author.

***1024a. *Scleria reticularis* Michx.**

Holmead Swamp, September. F. V. Coville.

1031a. *Carex muricata* L.

Smithsonian Park. The author.

* 1031*b*. *Carex divulsa* Good.

North Brookland. The author.

1055. *Carex glaucodea* Port.

Near the Insane Asylum. Lester F. Ward and the author.

1083. *Carex vestita* Willd.

Terra Cotta Swamp. The author.

1093. *Carex stenolepis* Torr.

Common on the flats between Aqueduct and Chain bridges. Swamp near the Insane Asylum. Above Aqueduct Bridge, on the Virginia shore. The author.

GRAMINEÆ.

1101*a*. *Sporobolus vaginæflorus* Torr.

Common in gardens in the northern part of the city. The author.

1112. *Muhlenbergia capillaris* Kth.

Rediscovered in the old locality near Great Falls; flowering in the third week of September. Lester F. Ward and the author.

* 1114*a*. *Calamagrostis Canadensis* Beauv.

On the edge of a swamp, Accotink, Fairfax County, Virginia. William Hunter.

1121. *Gymnopogon racemosus* Beauv.

In thickets along the Queen's Chapel road. Lester F. Ward and the author.

1153*a*. *Bromus tectorum* L.

Open, dry hillside near Anacostia. The author.

1158. *Uniola gracilis* Michx.

Terra Cotta Swamp. Lester F. Ward and the author.

130 *Holm—Additions to the Flora of Washington.*

*1160*b.* *Hordeum pratense* Huds.

Accotink, Fairfax County, Virginia. William Hunter.

*1166*a.* *Danthonia sericea* Nutt.

A few specimens collected in June, 1890, west of Tennallytown. G. B. Sudworth.

1185. *Panicum microcarpon* Muhl.

Rock Creek. Lester F. Ward and the author.

1190. *Panicum verrucosum* Muhl.

Holmead and Terra Cotta swamps. Lester F. Ward and the author.

*1192*a.* *Panicum miliaceum* L.

Monument grounds. The author.

1195*a.* *Setaria Italica* Kth.

Near Ivy City. G. W. Oliver.

1203. *Andropogon macrourus* Michx.

Terra Cotta Swamp. Lester F. Ward and the author.

CONIFERÆ.

1207. *Pinus pungens* Michx.

Johnny Moore Creek, Virginia. Near Woodlawn, Virginia. William Hunter. Barnaby Branch, Soldiers' Home. Lester F. Ward.

*1207*a.* *Pinus Tæda* L.

Near Brightwood. B. E. Fernow.

*1207*b.* *Pinus glabra* Walter.

A single tree, about 35 feet high, in a ravine near Tennallytown; apparently introduced. G. B. Sudworth.

1210. *Pinus Strobus* L.

Near Long Bridge. William Hunter.

1211. *Tsuga Canadensis* Carr.

Accotink Creek, Virginia. William Hunter.

FILICES.

1216. *Pellæa atropurpurea* Link.

Causeway between Analostan Island and the Virginia shore. E. S. Burgess. Rock Creek, between Pierce's Mill and Broad Run. G. W. Oliver.

1219. *Woodwardia angustifolia* Sm.

Piney Branch woods. Near the Reform School. Lester F. Ward and the author.

1223. *Asplenium angustifolium* Michx.

Above Blagden's Mill, on the west bank of Rock Creek. G. W. Oliver.

1226. *Camptosurus rhizophyllus* Link.

Mount Vernon. William Hunter.

1239. *Dicksonia pilosiuscula* Willd.

Abundant along Rock Creek. Lester F. Ward and the author.

1245. *Botrychium ternatum* Swz., var. *dissectum* Millde.

In the wood near Aqueduct Bridge, on the Virginia shore. The author.

1247. *Ophioglossum vulgatum* L.

Very plentiful in woods near Bennings. P. Gauges. A single specimen collected near the Reform School. Lester F. Ward and the author.

LYCOPODIACEÆ.

*** 1248b. *Lycopodium alopecuroides* L.**

Sphagnum swamp, Henson's Creek. G. W. Oliver.

1248c. *Lycopodium annotinum* L.

In the same locality as the preceding. G. W. Oliver.

1249. *Lycopodium dendroideum* Michx.

Near the Reform School. Lester F. Ward and the author.
North Brookland. Robert Ridgway.

1253. *Selaginella apus* Spring.

Common in Piney Branch woods, Holmead Swamp, Rock
Creek, and in the ravines on the Virginia shore, between Aque-
duct and Chain bridges. The author. Kalorama. *Chamælorium*
Run. E. S. Burgess.

ISOËTEÆ.

*** 1253b. *Isoëtes riparia* Engelm.**

Hunting Creek, near Alexandria. F. V. Coville.