

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

SOME NEW AND ADDITIONAL RECORDS ON THE
FLORA OF WEST VIRGINIA.

BY CHARLES L. POLLARD AND WILLIAM R. MAXON*.

In the latter part of August, 1899, the writers spent four days in south central West Virginia, making collections of plants at Quinnimont, Fayette Co., and at Lowell, Summers Co., both on the line of the Chesapeake and Ohio Railroad. In view of the extensive additions to the known flora of the state recently published by Mr. E. L. Morris†, supplementing Millspaugh and Nuttall's "Flora of West Virginia‡," it is quite significant of the work yet to be done that out of the total of 125 numbers of our collection 30 should be new to the state,—the majority being cryptogamous plants.

For the determination of the fungi we are indebted to Mrs. Flora W. Patterson; for that of the lichens to the late Thomas A. Williams; of the hepaticae to Dr. Marshall A. Howe; and of the mosses, with one exception, to Mrs. E. G. Britton. The names of species new to the flora are printed in bold-face type; those representing merely additional records, in small capitals.

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†Proc. Biol. Soc. Wash. 13: 171-182. 1900.

‡Field Columb. Mus. Pub. (Bot. Series) 1: 65-276. 1896.

Thallophyta.

FUNGI.

- Uromyces Howei** Peck. On *Asclepias Syriaca*. Lowell, August 25. (No. 130.)
- Gnomonia ulmae** (Sacc.) Thum. On dead leaves of *Ulmus* sp. Lowell, August 25. (No. 131.)

Lichenes.

- Coenogonium interpositum** Nyl. Sterile; growing with thallus of *Cladonia* sp. Quinnimont, August 22. (No. 141.)
- Lecidea speirea** Ach. Quinnimont, August 21. (No. 134.)
- Lecidea albocoeulescens** (Wulf.) Schaer. Quinnimont, August 22. (No. 138.)
- Pertusaria corallina** (L.) Fr. Quinnimont, August 22. (No. 140.)
- Parmelia cetrata** Ach.? Sterile, but probably referable to this species. Lowell, August 23. (No. 146.)
- Parmelia tiliacea** (Hoffm.) Flk. Lowell, August 23. (No. 151.)
- Cladonia squamosa** Hoffm. Quinnimont, August 22. (No. 143.)
- Cladonia squamosa denticollis** (Hoffm.) Flk. Quinnimont, August 22. (No. 136.)
- Placodium rupestre** (Scop.) Br. & Rostr. Quinnimont, August 23. (No. 155.)
- Theloschistes concolor effusa** Tuckerm. Lowell, August 23. (No. 150.)
- Verrucaria fuscella** (Tum.) Ach. Lowell, August 23. (No. 154.)
- Pyrenula punctella** (Nyl.) Williams, comb. nov. (*Verrucaria punctella* Nyl. Pyrenoc. 46, 1858.) Lowell, August 23. (No. 156.)

Bryophyta.

HEPATICAE.

- Jungermannia Schraderi** Mart. Quinnimont, August 22. (No. 113.)
- Cephalozia Virginiana** Spruce. Quinnimont, August 22. (No. 115a in part, which is mostly *C. currifolia*.)

Musci.

- Fissidens subbasilaris** Hedw. Lowell, August 23. (No. 117.)
- Ditrichum tortile** (Schrud.) Hampe. Quinnimont, August 21. (No. 105.)
- Thuidium delicatulum** (L.) Mitt. Quinnimont, August 21. (No. 111.)
- Thuidium minutulum** (Hedw.) Br. & Sch. (Determined by Dr. G. N. Best.) Lowell, August 23. (No. 118.)
- Amblystegium fluviatile** (Sw.) Br. & Sch. Quinnimont, August 21. (No. 110.)

Rynchosygium rusciforme (Neck.) Br. & Sch. Quinnimont, August 21. (No. 109.)

Hypnum Haldanianum Grev. Quinnimont, August 22. (No. 115.)

Pteridophyta.

POLYPODIUM VULGARE DECEPTUM Maxon, Proc. U. S. Nat. Mus. 23: 628. 1901. Quinnimont, August 21. (No. 25.)

Spermatophyta.

Andropogon nutans avenaceus (Michx.) Hack. (Determined by Mr. Carleton R. Ball.) Common in bottom lands of the New River. Quinnimont, August 21. (No. 36.)

TRAUTVETTERIA CAROLINENSIS (Walt.) Vail. Quinnimont, August 21. (No. 26.) Growing in some abundance along the banks of Laurel Creek; this station confirms its existence in the State, as Doctor Millspaugh questioned the locality cited by him.

Chamaecrista nictitans commixta Pollard, and Maxon var. nov.

Plant of low stature, very densely and divaricately branching, the stems finely pubescent or puberulent; leaves resembling those of *nictitans*, but often with more numerous leaflets; petiolar gland cupulate or truncate, usually nearly sessile; flowers and fruit as in *C. nictitans*.

Type in U. S. National Herbarium, No. 357,069, collected by Charles L. Pollard and William R. Maxon in alluvial soil along the New River at Quinnimont, W. Va., August 21, 1899. (No. 31.)

Galactia regularis (L.) B. S. P. Quinnimont, August 21. (No. 29.)
Bottom lands of the New River.

Strophostyles helvola (L.) Britton. Quinnimont, August 21. (No. 32.)
Bottom lands of the New River.

Physalis heterophylla Nees. Quinnimont, August 21. (No. 38.)
Bottom lands of the New River.

TAGESTES PATULA L. Quinnimont, August 21. (No. 20.) Escaped from cultivation along the railroad near Laurel Creek.

SOLIDAGO NEGLECTA Torr. & Gray. Quinnimont, August 21. (Nos. 33 and 34.) Bottom lands of the New River. Recently reported by Doctor Millspaugh from another locality in the State.