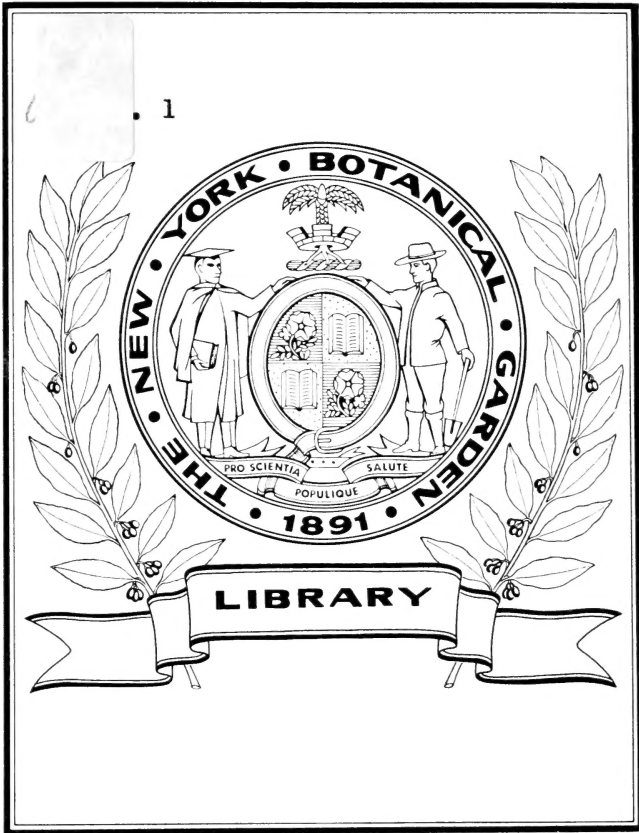


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Suppl.1

Austin, C. F.

Musci Appalachiani

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CLOSTER, NEW JERSEY.  
1878.

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# MUSCI APPALACHIANI:

## SUPPLEMENT I.

### 451. *Sphagnum papillosum*.

LINDB. Act. Soc. Sci. Fennicæ, X, p. 280 (1872); Manip. Musc. Secundus, p. 392.

HAB. Bogs; New Brunswick, Canada, *Fowler*; New Jersey, *Austin*.

### 452. *Sphagnum squarrosum*.

var. *teres*. *S. teres*, ANGSTRÖM.

[The specimens given under No. 21 in most of the former sets, are from South Jersey, and belong to *Sph. molle*, SULLIV.]

HAB. British Columbia, *Macoun*. (Also near Closter, New Jersey, *Austin*.)

### 453. *Sphagnum serratum*.

AUST. in the Bulletin of the Torrey Botanical Club, VI, p. 145 (1877).

HAB. Marshes, Florida, *John Donnell Smith*; common.

### 454. *Archidium tenerrimum*.

MITT. in the Jour. of the Proc. of the Linn. Soc., VIII, n. 29, p. 17.

HAB. Florida, *J. D. Smith*.

### 455. *Archidium Donnellii*.

AUST., Torr. Club Bull. VI, p. 190.

HAB. Environs of Hampden, Sidney College, Prince Edward Co., Virginia, April, 1877, *John Donnell Smith*.

**456. Ephemereum crassinervium.**

(SCHWÆGR.)—SULLIV. Icones, p. 17, t. 8: non AUST. Exsic. nrr. 48 et 49  
quæ ad *E. spinulosum*, BR. & SCH. pertinent.

HAB. Damp ground, throughout the Northern States.

**457. Pleuridium Ravenelii.**

AUST. Torr. Club Bull. VI, p. 142.—*Pl. subulatum*, AUSTR.  
AMER. ex parte.

HAB. South Carolina, *Ravenel*; Rhode Island, *Bennett*; New  
Jersey, *Austin*.

**458. Pleuridium Sullivanti.**

AUST. l. c.—*Pl. nervosum*, SULLIV. Icones, p. 19, t. 8; non HOOK.

HAB. Aiken, South Carolina, *Ravenel*.

**459. Pleuridium alternifolium, var.**

HAB. Damp ground, South Carolina, *Ravenel*.

**460. Bruchia Ravenelii.**

WILS.—SULLIV. Icon. p. 26, t. 16.

HAB. S. Car., *Ravenel*; Alabama, *Mohr*. (Feb.)

**461. Bruchia Carolinæ.**

AUST. Torr. Club Bull. VI, p. 144.

HAB. Aiken, S. Car., *Ravenel*. (Feb.)

**462. Bruchia brevipes.**

HOOK.—SULLIV. Icon. p. 24, t. 14.

HAB. S. Car., *Ravenel*. (Feb.)

**463. Bruchia Texana.**

AUST. Torr. Club Bull. V, p. 21. (1874).

HAB. Texas to Virginia, *Hall*, *Ravenel*, *Smith*. (March, April.)

**464. Bruchia Donnellii.**

AUST. Torr. Club Bull. VI, p. 144.

HAB. Jacksonville, Florida, *J. Donnell Smith*. (Mar.)

**465. Weisia Rauai.**

*Gymnostomum Rauanum*, Austr. in Torrey Club Bulletin V, p. 21.

HAB. On clay banks, Bethlehem, Pa., *Rau*.

**466. Weisia viridula,**  
**var. australis.**

HAB. Florida to Texas.

**467. Dieranum gracilens.**

WEB. & MOHR.—BRYOL. EUROP. t. 45 et 46.

HAB. Alpine regions of the White Mountains; also northern shore of Lake Huron, *Mucoun*.

**468. Dieranum debile.**

HOOK. & WILS.—SULLIV. Icon. p. 33, t. 20. (*Weisia exigua*, SCHWGR.?)

HAB. S. Car., *Ravenel*; Ala., *Mohr*.

**469. Dieranum subulatum.**

HEDW.—BRYOL. EUROP. t. 60.

HAB. Alpine and subalpine regions of the White Mts.; common.

**470. Dieranum subleucogaster.**

C. MULL.—C. MOHR in Torr. Club Bull. V, p. 49.

HAB. Florida, *J. D. Smith*. (ster.)

**471. Dieranum elongatum.**

SCHWGR.—BRYOL. EUROP. t. 76.

HAB. Alpine and high northern regions; New England to the Rocky Mountains.

**472. Dieranum fuscescens.**

TURN.—BRYOL. EUROP. t. 77; sub *D. congesto*, BRID.

HAB. Mountains of Pennsylvania to New England and northward and westward.

**473. Dicranum scoparium,**  
**var. orthocarpum.**

HAB. Woods, near Closter, N. J.

**474. Dicranum Drummondii.**

C. MULL., WILS.—SULLIV. Icon. Suppl. p. 48, t. 33.

HAB. Mountains of New York and New England; also throughout British America.

**475. Trematodon ambiguus.**

(HEDW.) HORNSCH.—BRYOL. EUROP. t. 96.

HAB. Maryland to Canada; not common.

**476. Trematodon longicollis.**

MICHX.—SULLIV. Icon. p. 31, t. 19.

HAB. Low grounds, Closter, New Jersey, rare; also in the South.

**477. Leucobryum vulgare.**

var. minus. *L. minus*, HAMP.

SULLIV. Mosses of the U. S. p. 24.

HAB. Southern States, common.

**478. Octoblepharum albidum.**

(LINN.)—MITT. Jour. of the Linn. Soc. Vol. XII, p. 109.

HAB. Florida, *J. D. Smith*. (Also in Texas.)

**479. Fissidens Closteri.**

AUST. in Torr. Club Bull. V, p. 21; SULLIV. Icon. Suppl. p. 44, t. 29.

HAB. On rocks along rivulets. Palisades, near Closter, New Jersey. (Aug., Sept.)

**480. Fissidens obtusifolius.**

HOOK. & WILS.—SULLIV. Icon. p. 35, t. 22.

HAB. Banks of ravines, Springfield, O., *Miss H. J. Biddlecome*.

**481. Fissidens Ravenelii.**

SULLIV. Icon. p. 39, t. 25.

HAB. S. Car., *Ravenel*; Florida, *J. D. Smith*.

*The specimens  
given under  
M. 98 belong  
to D. unguiculatum.*

**482. Fissidens decipiens.**

DE NOT.—SULLIV. Icones, Suppl. p. 46, t. 31. (*F. circians*, SCHIMP?  
*F. rupestris*, WILS.)

HAB. On trunks and roots of trees, old logs, &c., in swamps, Florida, *J. D. Smith*, common; also near Urbana, Ohio, *Miss Biddlecome*.

**483. Fissidens grandifrons.**

BRID.—BRYOL. EUROP. t. 106.

HAB. Wet rocks, Niagara Falls and northwestward to the Rocky Mountains.

**484. Blindia acuta.**

(DILL. DICKS.)—BRYOL. EUROP. t. 114.

HAB. Mountains of New York and northward.

**485. Swartzia montana.**

(LAM.) LINDB.—*Distichium capillaceum*. (DICKS.)—BR. EUR. t. 193.

HAB. New Brunswick (*Poolex*) and westward to the Rocky Mts.

**486. Swartzia inclinata.**

HEDW.—*Distichium inclinatum*, BRYOL. EUROP. t. 194.

HAB. Lake Superior region and westward, *Macoun*.

**487. Syrrhopodon Floridanus.**

SULLIV. Icon. p. 49, t. 31.

HAB. Trunks of trees, old logs, &c., Florida, *J. D. Smith*.

**488. Syrrhopodon Texanus.**

SULLIV. Icon. Suppl. p. 32, t. 20.

HAB. Trunks of trees, old logs, &c., Florida, *J. D. Smith*.

**489. Calymperes Richardi.**

C. MULL.—MITT. Jour. Proc. Linn. Soc. XII, p. 127.

HAB. Trunks of trees, Florida, *J. D. Smith*.

**490. Leptotrichum heteromallum.**

LINDB.—AUST. in Torrey Club Bulletin VI,  
p. 73 (1876)—**L. Sullivanti**, Aust. MSS.

HAB. Roadsides, &c. region of the White Mountains, common.

**491. Trichostomum luridum.**

HORN SCH.—BRYOL. EUROP. t. 186; sub **Didymodonte**.

HAB. Dry rocks in the region of the Great Lakes.

**492. Tortula tortifolia.**

JAMES ined.; sub **Trichostomo**. (**Syrhropodon tortus**, JAMES, olim.)

HAB. On coquina rocks, St. Augustine, Florida, *John Donnell Smith*.

**493. Tortula Plinthobia.**

SULLIV. & LESQ.—SULLIV. Icon. p. 47, t. 30; sub **Desmatodonte**.

HAB. Brick walls and pavements in the Southern States.

**494. Tortula agraria.**

SWARTZ.—SULLIV. Mosses of the U. S. p. 80.

HAB. West Florida, *J. D. Smith*.

**495. Tortula Rauei.**

AUST. in Torr. Club Bull. VI, p. 43; sub **Barbula**.

HAB. On rocks, Matagorda County, Texas, *R. G. Bechdolt*.

**496. Tortula recurvifolia.**

SCHIMP. Synop. p. 170.

HAB. On rocks, Hoboken, New Jersey; Suffern, Watkin's Glen and Niagara Falls, New York; also region of the Great Lakes, *Macoun*, and Colorado, *H. A. Warne*.

**497. Tortula subulata.**

LINN.—**T. mucronifolia**, SCHWGR.—BRYOL. EUROP. tt. 160 et 162.

HAB. Northern New York and New England and throughout British America.

**498. Ptychomitrium Drummondii.**(H. & W.)—SULLIV. *Icon.* p. 65, t. 40.

HAB. Roots of trees, South Carolina and southern Illinois to the Gulf of Mexico.

**499. Sclotheimia Sullivanti.**C. MULL.—SULLIV. *Icon.* p. 61, t. 38.HAB. On trees, Florida, *J. D. Smith.***500. Grimmia Donniana.**

SMITH.—BRYOL. EUROP. t. 249.

HAB. Alpine region of the White Mountains, New Hampshire.

**501. Grimmia unicolor.**

GREV.—BRYOL. EUROP. t. 260.

HAB. Canada, *Macoun*; also Catskill Mts., New York, *Rau.***502. Racomitrium fasciculare.**

(DILL.) BRID.—BRYOL. EUROP. t. 267.

HAB. Rocks in mountains; Alleghanies and northward.

**503. Racomitrium canescens.**

(DILL.) BRID.—BRYOL. EUROP. t. 270 et 271.

HAB. High mountains; New England to Vancouver's Island.

**504. Racomitrium lanuginosum.**

(DILL.) BRID.—BRYOL. EUROP. t. 269.

HAB. High mountains; New England to Vancouver's Island.

**505. Discelium nudum.**

(DICKS.) BRID.—BRECH &amp; SCHIMPER. BRYOL. EUROP. t. 297.

HAB. Clay banks, Bethlehem, Pa., *Rau*; Ohio, *Beardslee*; also Canada and westward to Vancouver's Island, *Macoun.***506. Funaria Drummondii.**~~E~~ *Stosthodon Drummondii*, LINDB.—SULLIV. *Icon.* p. 91, t. 35.HAB. Mobile, Alabama, *Dr. Chas. Mohr.*

**507. Funaria serrata.**

BEAUV.—SULLIV. Icon. p. 89, t. 54.

HAB. Texas, *Ravenel*; Alabama, *Mohr*.**508. Funaria hygrometrica.**var. *calvescens*, HEDW.—BRYOL. EUROP. t. 305.HAB. S. Car., *Ravenel*; Florida, *J. Donnell Smith*.**509. Mielichhoferia? compacta.**AUST.—*Bryum compactum*. AUST. in Bot. Gazette, II, p. 111.HAB. Alpine regions of the White Mountains, common; also Shawangunk Mountain (Sam's Point), New York, *Austin*; British America, *Macoun*: sterile.**510. Bryum elongatum.**

DICKS.—BRYOL. EUROP. t. 341, 342.

HAB. Region of the White Mountains; common. (Aug., Sept.)

**511. Bryum concinnatum.**

SPRUCE, C. MULL.—LINDB. Manip. Musc. Primus (1870) p. 44.

HAB. Cauterskill Falls, Catskill Mountains, *Peck*.**512. Bryum Macouni.**

AUST. in Bot. Gazette for June, 1877, p. 110.

HAB. British Columbia, *Macoun*.**513. Bryum provinciale.**

PHILIB.—SCHIMP. Synop. ed. 2.

HAB. Florida, *J. D. Smith*; common.**514. Bryum Duvalii.**VOLT.—BRYOL. EUROP. t. 371: non AUST. EXSIC. n. 202, quod est *B. pallens*, SWARTZ.HAB. British Columbia, *Macoun*.**515. Mnium Drummondii.**

BRUCH &amp; SCHIMPER.—SULLIV. Icon. p. 83, t. 51.

HAB. Mountains of New York and New England and northward and westward.



**516. Rhizogonium spiniforme.**

(LINN. HEDW.)—MITT. in the Jour. of the Linn. Soc. XII, p. 326.

HAB. On tussocks, etc. in the Gulf States; common.

**517. Aulacomnion turgidum.**

WAHLENB.—BRYOL. EUROP. t. 404.

HAB. Alpine regions of the White Mountains; sterile.

**518. Meesia trichodes.**(LINN.) SPRUCE.—*M. uliginosa*, HEDW.—BRYOL. EUROP. t. 308.HAB. Near Albany, New York, *Peck*; also British Columbia, *Macoun*.**519. Meesia longiseta.**

HEDW.—BRYOL. EUROP. t. 309.

HAB. Near Albany, New York, *Peck*; also British Columbia, *Macoun*; rare.**520. Paludella squarrosa.**

(LINN.) EHRH.—BRYOL. EUROP. t. 312.

HAB. Swamp near Jordansville, New York, *Peck*; also British Columbia, *Macoun*.**521. Polytrichum alpinum.**LINN.—BRYOL. EUROP. t. 418; sub *Pogonato*, BRID.HAB. Throughout British Amer. and southward in the mountains **522. Polytrichum urnigerum.**LINN.—BRYOL. EUROP. t. 417; sub *Pogonato*.

HAB. Region of the White Mountains; very common.

**523. Polytrichum capillare.**MICHX.—SULLIV. Icon. p. 79, t. 49; sub *Pogonato*.

HAB. Alpine region of the White Mountains; scarce.

**524. Fontinalis disticha?**

H. &amp; W.—SULLIV. Icon. p. 103, t. 63.

HAB. Rocky rivulets, Mts. of New Jersey and Pennsylvania.

**525. Dichelyma pallescens.**

BR. &amp; SCH. Bryol. Europ.

HAB. On sticks, etc., margin of Oneida Lake, N. Y., *A. Barron.***526. Cryphæa pendula.**

LESQX. ined.

HAB. Trunks of trees, Florida, *J. Donnell Smith.***527. Leptodon trichomitron.**var. immersus, SULLIV. Icon. p. 112.HAB. Florida, *J. D. Smith.***528. Neckera oligocarpa.**

BR. &amp; SCH. Bryol. Europ. t. 441.

HAB. Fissures of dry rocks, Catskill Mountains, *Austin & Rau.***529. Neckera undulata.**

HEDW.—MITT. in the Jour. of the Linn. Soc. XII, p. 452.

HAB. Trunks of trees, West Florida, *J. D. Smith.***530. Neckera disticha.**

SWARTZ.—MITT. l. c. p. 451.

HAB. Trunks of trees, West Florida, *J. D. Smith.***531. Neckera cymbifolia.**(SULLIV.) C. M.—*Pilotrichum cymbifolium*, SULLIV. Icon.  
p. 122, t. 76 B.HAB. Trunks of trees, West Florida, *J. D. Smith.***532. Neckera Ludovicæ.**

C. MULL.—C. MOHR in Torr. Club Bull. V, p. 50.

HAB. Trunks of trees, West Florida, *J. D. Smith.***533. Meteorium nigrescens.**

(SWARTZ).—MITT. in the Jour. of the Linn. Soc., XII, p. 441.

var. Donnellii.HAB. Trunks of trees, West Florida, *J. Donnell Smith.*

**534. Clasmatodon parvulus.**HOOK. & WILS.—SULLIV. *Icon. Suppl.* p. 126, t. 79.

HAB. On trees, etc. in the Southern States; common.

**535. Fabronia octoblepharis.**

(SLEICH.)—BRYOL. EUROP. t. 451.

HAB. On rocks and trees at the Delaware Water Gap, New Jersey, *Austin, Rav.***536. Hookeria varians.**SULLIV. *Musci Cubensis Wrightiani* (p. 285.)HAB. On the ground, Florida, *J. D. Smith, Ravenel.***537. Pylaisæa polyantha.**

(SCHREE.)—BRYOL. EUROP. t. 455.

HAB. On trees, Lake Superior and westward, *Maccoun*; common.**538. Cylindrothecium Drummondii.**SCHIMP.—SULLIV. *Icon.* p. 148 t. 94.

HAB. Low grounds in the Southern States; common.

**539. Thuidium gracile.**var. **Ravenelii**, S. & L.

HAB. On the ground, etc. throughout the Southern States; very common.

**540. Brachythecium reflexum.**

(W. &amp; M.)—BRYOL. EUROP. t. 539.

HAB. Rocks in the region of the White Mts.; also in the region of Lake Huron, *Mrs. Jessie Roy.***541. Rhynchostegium demissum.**var. **Marylandicum**, S. & L. *Exsic. ed. 2, n. 442.*

HAB. Irrigated rocks, New England and southward in the mountains.

**542. *Amblystegium serpens.***  
**var. *longifolium.***

HAB. Marshes, Florida, *J. D. Smith.*

**543. *Hypnum commutatum.***

HEDW.—BRYOL. EUROP. t. 607.

HAB. Wet rocks, Watkin's Glen, New York, *Wolle, Rau & Austin.* (Also in the Rocky Mts.)

**544. *Hypnum Wrightii.***

SULLIV.—Icon. p. 209, t. 127.

HAB. Florida, *J. Donnell Smith.*

**545. *Hypnum thelistegium.***

C. MULL.—MITT. in the Jour. of the Linn. Soc. XII, p. 504.

HAB. Florida, *J. Donnell Smith.*

**546. *Hypnum montanum.***

WILS.—SULLIV. Icon. p. 181, t. 113.

HAB. On rocks in streams in the White Mt. region; frequent.

**547. *Hypnum stamineum.***

DICKS.—BRYOL. EUROP. t. 617.

HAB. Throughout British America and in the Mts. southward.

**548. *Hylocomium umbratum.***

(EHRH.)—BRYOL. EUROP. t. 488.

HAB. Throughout British America and in the high mountains of New England and New York.

**549. *Hylocomium Oakesi.***

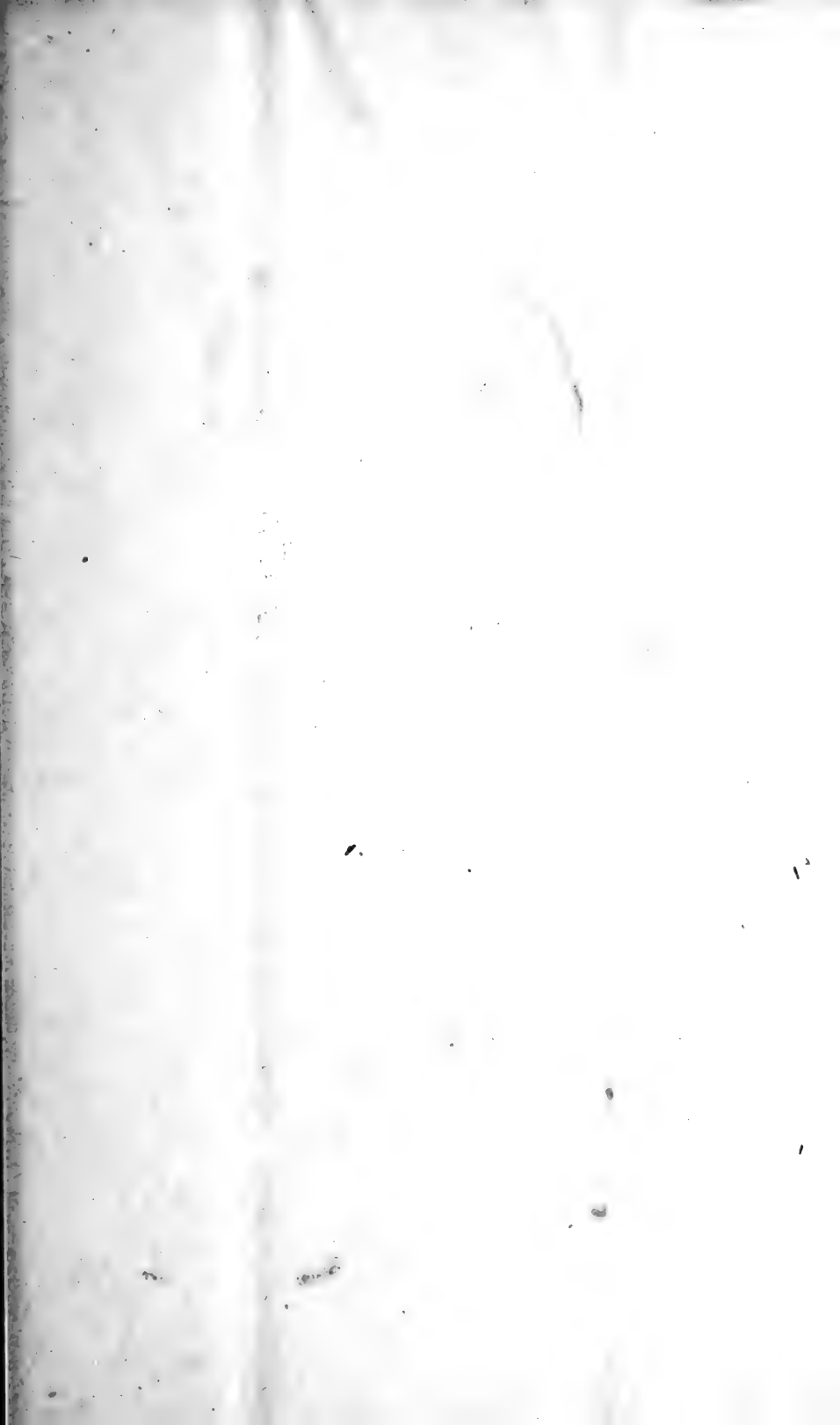
SULLIV. Icon. p. 159, t. 102.

HAB. Throughout British America and in the high mountains of New England and New York.

**550. *Hylocomium squarrosum.***

(LINN.)—BRYOL. EUROP. t. 493.

HAB. Catskill and White Mountains.



## A CARD.

—o—

I propose to publish additional supplements to both the *MUSCI* and *HEPATICÆ EXSICCATÆ* which I have issued, as fast as I can accumulate the needed specimens. The supplements to comprise 100 sets of 10-50 specimens each; and I take this opportunity to cordially invite the co-operation of all American botanists.

☞ Liberal allowance will be made and due credit given, for 100 good specimens of any desired moss or hepatica.

☞ Except in rare mosses and those difficult to obtain, the specimens should be large and ample.

☞ *Musci* should be collected as soon as or a little before the capsule matures, *while the operculum* is yet present. Some species seldom or never fruit with us; these should not be neglected. *Hepaticæ* in general are best collected late in the fall, during the winter, or in early spring.—The *Jungermaniæ* about the time or a little before they send up the fruit-stalk. All are best collected before they shed their spores.

COE F. AUSTIN.







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