

4504.9 CUBA 1:62,500 Feb. 1-79

Pam Underwood, L.M.

A Summary of Charles Wright's explorations in Cuba

Bull. Torrey Bot Club v. 32 p 291-300

1905



MAP ILLUSTRATING CHARLES WRIGHT'S EXPLORATIONS IN CUBA

San Jose - in Pinar del Rio, near Retiro - finca near Toco Toco

Sitio Arroyo - near Guanajay

Toscano - finca near coast

Rangel - 2 1/2 miles west of Havana

Bailestina - cattle farm at south end of Matanzas opp. Bahia Honda

Pirales - J. Bahia Honda

Sagua (Sagua) - near Guajabaro

Potosi
Monte Verde
Loma del Gallo - near Sagua

7 mi west of Monte Verde - Monte Verde

Cayo de Sagua

Santa Catalina de Guines
Saltadero

Sagua Grande - 4 leagues from Sagua

I in
ork
iago
uly
ned

ute
of
eld
m-
to
ng
in
hat
n-
ed
ne
om
he
c-
li-
he
nd
p-
is
n
l,
y
a
of
e
n

W

Unnumbered collections from Charles Wright's 2nd Cuban collection; date
unknown.

- s.n. - hepatic. On damp ground, Viñales, Jan. 30. 1863, 64 ✓
- s.n. - *Acrocryphaea gardneri* (Mitt.) Jaeg. La Palma, Feb. 20. 1863, 64 ✓
- s.n. - *Acrocryphaea gardneri* (Mitt.) Jaeg. On bushes, Las Tunas - P.
Principe, Dec. 25. 1861
- s.n. - *Acrocryphaea gardneri* (Mitt.) Jaeg. & *Cryphaea filiformis* (Sw.) Brid.
Las Tunas - P. Principe Dec. 22. 1861
- s.n. - *Acroporium pungens* (Hedw.) Broth. In Farallones, Potosi Monte Toro,
Oct. 11. 1859
- s.n. - *Acroporium pungens* (Hedw.) Broth. Around old rotten stumps in thick
woods, Monte Verde, March 18. 1859, 60 ✓
- s.n. - *Brachymerium wrightii* Sull. Monte Toro, Potosi, Oct. 10. 1859
- s.n. - *Brachymerium wrightii* Sull. Potosi, Monte Toro, Oct. 11. 1859
- s.n. - *Brachymerium wrightii* Sull. On bushes in thick woods, Monte Verde,
Monte Verde, March 18. 1859, 60 ✓
- s.n. - *Brachymerium macrocarpum* Card. On bushes in thick woods, Monte Verde,
March 18. 1859, 60 ✓
- s.n. - *Callicostella depressa* (Hedw.) Jaeg. On rocks, San Juan de Buenavista,
Nov. 21. 1860
- s.n. - *Callicostella depressa* (Hedw.) Jaeg. On stump of palm in woods, Monte
Verde, Feb. 28. 1859, 60, 61 ✓
- s.n. - *Cryphaea filiformis* (Sw.) Brid. & *Acrocryphaea gardneri* (Mitt.) Jaeg.
On bushes, P. Principi - S. Spiritu, Dec. 28. 1861
- s.n. - *Cyclodictyon varians* (Sull.) Jaeg. On rocks covered with calcareous
deposition, Retiro, March 12. 1864
- s.n. - *Cyclodictyon varians* (Sull.) Jaeg. & *Callicostella depressa* (Hedw.) Jaeg.
Monte Verde, July 20. 1859, 50, 51 ✓

- s.n. - *Erpodium domingense* (Spreng.) C.M. On rocks, Potrero San Andres,
Oct. 23. 1860
- s.n. - *Erpodium domingense* (Spreng.) C.M. On trees, Loma de Rangel, July
15. 1862, 63 ✓
- s.n. - *Erpodium domingense* (Spreng.) C.M. On trees, Embarcadero de Bacunagua,
Jurisdic. San Cristobal, April 5. 1862, 63, 64 ✓
- s.n. - *Erpodium domingense* (Spreng.) C.M. On log, Canto, Dec. 20. ?
- s.n. - *Erpodium domingense* (Spreng.) C.M. On the underside of leaning trees,
Bayamo, Dec. 19. 1861
- s.n. - *Erpodium domingense* (Spreng.) C.M. On trees in paredones, La Grifa
in Luis Lazo, March 23. 1863, 64 ✓
- s.n. - *Fissidens garberi* L. & J. In very small amount. On trees, Fermina,
Feb. 12. 1862
- X s.n. - *Fissidens leptopus* Card. At base of palms, San Jose, Oct. 20. 1862
- s.n. - *Fissidens similiretis* Sull. Guajaibos, Nov. 4. [Guajaba ?] 1862, 63 ✓
- s.n. - *Fissidens similiretis* Sull. On trees in woods, Monte Verde, Nov. 18. 1861
- s.n. - *Fissidens similiretis* Sull. Among the adventitious roots at the base
of palms, Farallones, San José, Aug. 2. 1862
- s.n. - *Fissidens similiretis* Sull. On banks of rivulets, Retiro, March 21. 1864
- s.n. - *Haplocladium microphyllum* (Hedw.) Broth. On earth, N. Sophie, Nov. 22. 1859, 61 ✓
- s.n. - *Haplocladium microphyllum* (Hedw.) Broth. On bushes, N. Sophie,
Nov. 22. 1859, 61 ✓
- s.n. - *Helicophyllum torquatum* (Hook.) Brid. On cliffs, Vueltabajo, Nov. 1. ?
- s.n. - *Hookeriopsis incurva* (Hook. & Grev.) Broth. No data. —
- s.n. - *Hookeriopsis incurva* (Hook. & Grev.) Broth. No data. —
- s.n. - *Hypnella cymbifolia* (Hampe) Jaeg. On rotten logs in the pinal, Monte
Verde, March 3. 1859, 60, 61 ✓
- s.n. - *Hypnella cymbifolia* (Hampe) Jaeg. On rotten logs in woods, Monte Verde,
Nov. 18. 1861

- s.n. - Hypopterygium tamariscium (Hedw.) Brid. On rocks, Loma del Gato,
Dec. 11. 1859, 60 ✓
- s.n. - Leptodictyum riparium (Hedw.) Warnst. On stones in springs, Luis
Lazo, Jan. 6. 1863, 64 ✓
- s.n. - Leptodictyum riparium (Hedw.) Warnst. On banks (masonry) of conduits
leading water to the pulp mill, Monte Verde, March 8. 1859, 60, 61 ✓
- s.n. - Lepyrodontopsis trichophylla (Hedw.) Broth. On palms (sine fruct.)
Monte Verde, Feb. 28. 1859, 60, 61 ✓
- s.n. - Meteoropsis patula (Hedw.) Broth. On bushes, roadside, Bayamo,
Dec. 16. 1861
- s.n. - Mittenothamnium diminutivum (Hampe) Britt. & Taxithelium planum
(Brid.) Mitt. On stones, edge of Savana - Hato del Medio, Aug.
23. ?
- s.n. - Neckeropsis disticha (Hedw.) Kindb. On bushes in woods, Monte Verde,
March 12. 1859, 60, 61 ✓
- s.n. - Neckeropsis undulata (Hedw.) Reich. Monte Verde, Jan. 31. 1859, 61 ✓
- s.n. - Neckeropsis undulata (Hedw.) Reich. On bushes in woods, Monte Verde,
Feb. 28. 1859, 60, 61 ✓
- s.n. - Neckeropsis undulata (Hedw.) Reich. Hanabana, March 14. ?
- s.n. - Neckeropsis undulata (Hedw.) Reich. On tree, near the ground, in
woods, Retiro, April 10. 1864
- s.n. - Neckeropsis undulata (Hedw.) Reich. No data. —
- s.n. - Neckeropsis undulata (Hedw.) Reich. Roadside, Bayamo, Dec. 13. 1864
- s.n. - Neckeropsis undulata (Hedw.) Reich. At the base of palm, Punta de la
Gordo [Grande ?], Dec. 22. ?
- s.n. - Octoblepharum albidum Hedw. At base of palms in pinales, Hato Quemado,
Nov. 20. ?
- s.n. - Octoblepharum albidum Hedw. On trees, Loma de Rungai, Oct. 14. ?

- s.n. - *Octoblepharum albidum* Hedw. At the base of palms, Hato Quemado,
Nov. 21. ?
- s.n. - *Octoblepharum albidum* Hedw. No data. —
- s.n. - *Octoblepharum albidum* Hedw. Monte Verde, March 17. 1859, 60. ✓
- s.n. - *Octoblepharum albidum* Hedw. Monte Verde, Feb. 6. 1859, 60, 61. ✓
- s.n. - *Pinnatella jamaicensis* Bartr. with flagelliform branches in leaf axils.
"mixed with No. 144. Vide there some more" —
- s.n. - *Pirella cymbifolia* (Sull.) Card. "was mixed with *Thuidium*. Monte
Verde, July 26". 1859, 60, 61. ✓
- s.n. - *Phyllogonium fulgens* (Hedw.) Brid. On trunks of trees, Monte Verde,
March 24. 1859, 60. ✓
- s.n. - *Phyllogonium fulgens* (Hedw.) Brid. No data. —
- s.n. - *Pseudocryphaea flagellifera* (Brid.) Britt. On bushes, roadside, Bayamo,
Dec. 16. 1861
- s.n. - *Pseudocryphaea flagellifera* (Brid.) Britt. On bushes, roadside, Bayamo,
Dec. 16. 1861
- s.n. - *Rhizogonium spiniforme* (Hedw.) Bruch. On logs, Los Hondones, Valparaiso,
Oct. 8. 1861
- s.n. - *Schlotheimia torquata* (Hedw.) Brid. Monte Verde, March 17. 1859, 60. ✓
- s.n. - *Schlotheimia torquata* (Hedw.) Brid. On trees in dense patches, Monte
Verde, March 24. 1859, 60. ✓
- s.n. - *Sematophyllum caespitosum* (Hedw.) Mitt. On bushes, margin of river, San
Lagunillas ?
Sebastian Lagunillas, Dec. 16. ?
- s.n. - *Sematophyllum caespitosum* (Hedw.) Mitt. No data. —
- s.n. - *Sematophyllum sericifolium* Mitt. On logs, San Andrés, March 29. ?
- s.n. - *Sematophyllum sericifolium* var. *leonii* Ther. ? No data. —
- s.n. - *Sematophyllum lamprophyllum* Mitt. On rotting logs, Monte Verde, Nov. 18. 1861
- s.n. - *Sphagnum erythrocalyx* Hampe ex C.M. On earth banks [?] (wet), Hato
Quemadom Nov. 20. ?

- s.n. - *Sphagnum erythrocalyx* Hampe ex C.M. On tembladeras, a sort of floating island of peat-like materials, in lagunas, Las Almacigas, Nov. 23. ?
- s.n. - *Stereophyllum radiculosum* (Hook.) Mitt. No data. —
- s.n. - *Stereophyllum radiculosum* (Hook.) Mitt. On logs, roadside, Salladero, Cuba, Nov. 21. 1859, 61 ✓
- s.n. - *Stereophyllum radiculosum* (Hook.) Mitt. On logs, Bermejales, Jurisdicción San Cristóbal, Oct. 9. 1862, 63 ✓
- s.n. - *Stereophyllum radiculosum* (Hook.) Mitt. On trees, San José, Oct. 20. 1862
- s.n. - *Stereophyllum radiculosum* (Hook.) Mitt. On rotten wood, Potrero San Andrews, Oct. 18. ?
- s.n. - *Stereophyllum radiculosum* (Hook.) Mitt. At the base of palms, San José, Oct. 16. 1862
- s.n. - *Stereophyllum radiculosum* (Hook.) Mitt. On logs, Loma de Rangel, Oct. 14. 1862, 63 ✓
- s.n. - *Stereophyllum radiculosum* (Hook.) Mitt. On logs, Loma de Rangel, Oct. 14. 1862, 63 ✓
- s.n. - *Thuidium urceolatum* Lor. On rocks and stones, Rangel, Oct. 2. → 1862 1862, 63 ✓
- s.n. - *Thuidium urceolatum* Lor. In dense woods, Potosi, Monte Toro, Oct. 11. 1859, 60, 61 ✓
- s.n. - *Thuidium urceolatum* Lor. Farallones, Potosi, Monte Toro, Oct. 11. 1859, 60, 61 ✓
- s.n. - *Tremalodon longicollis* Mx. On banks, roadside, Sagua, M. Toro, April 8. 1859, 60, ✓
- s.n. - *Trichosteleum sentosum* (Sull.) Jaeg. No data. — ✓
- s.n. - *Vesicularia crassicaulis* (Mitt.) Broth. On rotten logs in woods, Oct. 2. ?
- s.n. - *Vesicularia crassicaulis* (Mitt.) Broth. On rotten logs in woods, Monte Verde, Aug. 24. 1859, 61 ✓
- s.n. - *Vesicularia crassicaulis* (Mitt.) Broth. & *V. vesicularis* (Schw.) Broth. On rocks at base of Farallones, Viñales, Jan. 30. 1863, 64 ✓
- s.n. - *Vesicularia vesicularis* (Schw.) Broth. On rocks, Viñales, Jan. 24. 1863, 64 ✓
- s.n. - *Vesicularia vesicularis* (Schw.) Broth. No data. —

- s.n. - *Vesicularia vesicularis* (Schwaegr.) Broth. & *Ectropothecium*
apiculatum (Hornsch.) Mitt. On logs, Bermejales, Jurisdicción
San Cristóbal, Oct. 9. 1862, 63 ✓
- s.n. - *Vesicularia crassicaulis* (Schw.) Broth. & *Mittenothamnium reptans*
(Hedw.) Card. Monte Libano, Sept. 27. 1859, 60, 61 ✓
- s.n. - *Vesicularia vesicularis* (Schwaegr.) Broth. On logs, Viñales, Jan. 27. 1863, 64 ✓
- s.n. - *Vesicularia vesicularis* (Schwaegr.) Broth. No data. ✓
- s.n. - *Vesicularia vesicularis* (Schwaegr.) Broth. On rotting logs, Los
Hondones (Valparaiso), Oct. 4. 1861

Charles Wright's 2nd. Cuban collections; date unknown. 30 Nov. 1865 - July 1864

- 2 - *Dicranella herminieri* Besch. On banks, Vega Sta. Catalina, Vueltabajo, ^{tobac}
Nov. 21, 18--.
- 3 - *Dicranella herminieri* Besch. On banks, Pinales, Jurisdic. Bahía Honda,
Nov. 15. 1862, 1863 ✓
- 4 - *Dicranella herminieri* Besch. On banks, Herradura, Nov. 18. 1862
- 5 - *Dicranella hilariana* Mont. On banks, Viñales, Jan. 26. 1863, 1864 ✓
- 6 - *Dicranella subinclinata* Lor. (spores papillose, 19 μ). Banks of creek,
Viñales, Feb. 5. 1863
- 7 - *Dicranella herminieri* Besch. On banks by roadside, Pinar del Río, Dec. 2. 1862
- 8 - *Dicranella herminieri* Besch. On earth in roads, Pinar del Río, Viñales,
Jan. 23. 63, 64 ✓
- 9-8 - *Dicranella subinclinata* Lor. (spores 19-21 μ). On banks, La Palma (vega), ^{Retiro (9 Dec. 1864)}
Jurisdic. [?] San Cristóbal, Mar. [?] 29. 1864
- 10 - *Dicranella harrisii* (C.M.) Broth. On banks, Rangel, March 22. 1864 ✓
- 11 - *Dicranella hilariana* Mont. (spores 14 μ). No data.
- 12 - *Luisierella barbula* (Schwaegr.) Steere. On rocks along rivulets, M. V.,
Nov. 18. 861
- 13 - *Hymenostomum cubense* (Hampe) Par. On earth, roadside, Bayamo, Dec. 16. 6
- 13 - *Brachymenium macrocarpum* Card. On sticks, mountain top, Ysabel Maria,
March 17.
- 14 - *Fissidens polypodioides* Hedw. On banks, Loma del Gato. Dec. 11. 1860, 61 ✓
- 15 - *Fissidens muriculatus* Spruce ex Mitt. On trees, Los Hondones, Valparaiso,
Oct. 8. 1861
- 16 - *Fissidens muriculatus* Spruce ex Mitt. On the lower side of leaning trees,
Monte Libano, Sept. 28. 1861
- 17 - *Fissidens muriculatus* Spruce ex Mitt. On slender trees or bushes, Los
Hondones (Valparaiso), Oct. 4. 1861

- 18 - *Fissidens muriculatus* Spruce ex Mitt. On slender trees or bushes, Los Hondones, (Valparaiso), Oct. 4. 1861
- 19 - *Fissidens garberi* L. & J. At base of tree, Bayamo - Las Tunas, near Canto, Dec. 20. 1861
- 20 - *Fissidens mollis* Mitt. & *F. kegelianus* C. M. In edge of thickets on little hard lumps of dry earth covered with leaves, P. Principe - S. Spíritu, Dec. 1861
- 21 - *Fissidens similiretis* Sull. On earth, mts. of Luis Lazo [?], Jan. 5. 1864
- 22 - *Fissidens kegelianus* C.M. On earth, hills, San José, Oct. 16. 1862
- 23 - *Fissidens kegelianus* C.M. On earth in roads passing through woods, Fermina, Feb. 12. 1862
- 24 - *Fissidens dissitifolius* Sull. & *F. kegelianus* C.M. Wet ground near rivulets, Aguacate, Bayamo, Dec. 15. 1861
- 25 - *Fissidens kegelianus* C.M. On earth in woods, San José, Oct. 16. 1862
- 26 27 - *Fissidens garberi* L. & J. In sticks Río Sta. Cruz, Oct. 16. 1862, 1863 ✓
- 28 - *Fissidens garberi* L. & J. On earth, hillsides, San José, Oct. 16. 1862
- 29 - *Fissidens mollis* Mitt. On earth in woods, M. V., July 22. 1859, 60, 61 ✓
- 30 - *Fissidens dissitifolius* Sull. On hard earth in paths, M. V., Aug. 18. 1859, 61 ✓
- 31 - *Fissidens angustifolius* Sull. In low woods, Toscano, Jurisdic. Bahía Honda, Oct. 25. 1863
- 32 - *Fissidens angustifolius* C.M. On earth in paths, Sitio Nuevo, Dec. 4. 1862, 1863 ✓
- 33 - *Fissidens similiretis* Sull. On roots, Retiro, Feb. 20. 1864
- 34 - *Fissidens similiretis* Sull. Guajaibon, Nov. 16. [Guajaba ?] 1862, 63 ✓
- 35 - *Fissidens kegelianus* C.M. Retiro, Oct. 16. 1863
- 36 - *Fissidens similiretis* Sull. On earth, summit of Mts., Luis Lazo, Jan. 5. 1864
- 37 - *Fissidens leptopus* Card. On banks, Retiro, March 22. 1864
- 38 - *Fissidens leptopus* Card. On rocks in woods, M. V., March 1. 1859, 1860, 1861 ✓
- 39 - *Fissidens garberi* L. & J. On stones, M. V., Aug. 24. 1859
- 40 - *Fissidens kegelianus* C.M. Sitio Nuevo, Dec. 3. 1862, 1863 ✓

- 42 - *Fissidens kegelianus* C.M. No data. —
- 43 - *Fissidens leptopus* Card. No data. —
- 44 - *Fissidens elegans* Brid. Banks of creek, Vinales Feb. 5. 1863
- 45 - *Fissidens ravenelii* ? Sull. Yabunal, Partido de ^{Pinar} Consolación, Nov. 18. 1862
- 46 - *Fissidens ravenelii* Sull. ? On stumps of palms, Sta. Catalina, Jurisdic.
San Cristóbal, Nov. 5. 1862
- 47 - *Fissidens leptopus* Card. & *F. similiretis* Sull. On rocky banks of rivulets
etc., in shade, Monte Verde, Nov. 18. 1861
- 48 - *Fissidens angustifolius* Sull. On earth, San José, Sept. 4. 1862
- 49 - *Fissidens kegelianus* C.M. Sitio Nuevo, Jurisdic. Guanes, Dec. 26. 1863
- 50 - *Fissidens radicans* Mont. At base of trees, Punta de la Gorda [?],
Jurisdic. Guanes, Dec. 24. 1863
- 51 - (over)
- 52 - *Fissidens kegelianus* C.M. On earth, Ingenio Esperanza near Pinar del Rio,
Dec. 5. 1862
- 53 - *Fissidens cuspidulatus* Sull. On banks, Yabunal Vega near Consolación, Dec. 1. 1862
- 54 - *Fissidens leptopus* Card. On banks in woods, Vueltabajo, Nov. 1. ?
- 55 - *Fissidens radicans* Mont. On roots and sticks, Guajaiboa, Nov. 4. 1862
- 56 - *Fissidens kegelianus* C.M. Vinales, Jan. 30. 1863, 1864 ✓
- 57 - *Fissidens kegelianus* C.M. No data. —
- 58 - (over)
- 59 - *Fissidens palmatus* Hedw. On earth, Loma de Rangel, Sept. 21. 1862, 1863 ✓
- 60 - *Fissidens angustifolius* Sull. On earth in woods, Santa Cruz, Aug. 19. 1862, 1863 ✓
& *F. reticulosus* (C.M.) Mitt.
- 61 - *Fissidens kegelianus* C.M. No data. —
- 62 - *Fissidens ravenelii* Sull. On stones in woods, La Catalina, Sept. 11. 1859, 1861 ✓
- 63 - *Fissidens donnellii* Aust. San Jose, Jan. 8. 1863
- 64 - *Fissidens cuspidatulus* Sull. On clayey soil in paths, M. V., Feb. 28. 1854, 1860, 1862 ✓
- 65 - *Fissidens garberi* L. & J. On bank of trees at the base, Loma de Rangel,
Oct. 14. 1862, 1863 ✓
- 66 - *Fissidens angustifolius* Sull. On earth, Loma de Rangel, Oct. 14. 1862, 63 ✓
- 67 - *Fissidens garberi* L. & J. ? On stones, Loma de Rangel, Oct. 14. 1862, 63 ✓

51 - *Fissidens neglectus* Crum. On rocks along rivulets, Lagunillas,
Jurisdicción Pinar del Río, Dec. 14. 1862

58 - *Fissidens reticulosus* (C.M.) Mitt.
& *F. angustifolius* Sull. On earth, Loma de Rangel, Sept. 21. 1862 1863 (D)

- 68 - *Fissidens garberi* Lesq. & James. On bushes, low woods near the sea,
Bahia Honda, Nov. 11. 1862
- 69 - *Fissidens angustifolius* Sull. On banks, Retiro, Sept. 25 1863.
- 70 - *Funaria calvescens* Schwaegr. On banks, Filantropia, Dec. 7. 1860, 1861 ✓
- 71 - *Trematodon longicollis* Mx. On banks of creek, Los Cayos, March 9. ?
- 72 - *Trichostomum jamaicense* (Mitt.) Jaeg. Sumidon [?], June [?] 9. ?
- 73 - *Trichostomum jamaicense* (Mitt.) Jaeg. On earth, woods in the mountains,
San José, Jurisdic. San Cristóbal, March 5. 1863, 1864 ✓
- 74 - *Trichostomum jamaicense* (Mitt.) Jaeg. On rocks along rivulet, Reli -- [?],
April [?] 12. ?
- 75 - *Barbula agraria* Hedw. On walls Bayamo, Dec. 19. 1861.
- 76 - *Barbula agraria* Hedw. On stone, Petin [?] Oct. 6 [Retiro ?] 1862, 1863 ✓
- 77 - *Barbula agraria* Hedw. On stones, P. Principe, Espiritu Santo, Jan. 1. 1862
- 78 - *Desmatodon sprengelii* (Schwaegr.) Williams. No data. *Collection substrate etc identical to 79 Nov 19, 1862*
- 79 - *Desmatodon sprengelii* (Schwaegr.) Williams. Yabunal [?], Partido de
Consolación, Nov. 19. 1862
- 79 - *Syrrophodon floridanus* Sull. On palms, Vueltabajo, Oct. 27. ?
- 80 - *Barbula agraria* Hedw. On stones, Loma de Rungal [?], June 17. ?
- 81 - *Barbula agraria* Hedw. On rock, Punta de la Zaulo [?], Jurisdiccion Guanes,
Dec. 24. 1862, 1863 ✓
- 82 - *Barbula subulifolia* Sull. On banks along the river Palinqui "Cuba Wright
1861".
- 83 - *Barbula agraria* Hedw. On rock, Sitio Nuevo, Punta de Jaula [?], Dec. 1862, 1863 ✓
- 84 - *Leucoloma albulum* (Sull.) Jaeg. On rotting logs in woods, M. V., Nov. 18. 1861
- 85 - *Leucoloma albulum* (Sull.) Jaeg. On logs, Potosí, Monte Toro, Oct. 15. 1860
- 86 - *Entosthodon bonplandii* (Hook.) Mitt. *Campylopus fragilis* (Turn.) Mitt.,
Fissidens pellucidus Hornsch. Loma del Gato, Dec. 5. 1860, 1861 ✓
- 87 - (duplication in numbers) ⁸⁷ *Campylopus cubensis* Sull. Forming dense patches
around old stumps, Pinál, Mo. V. Mar. 2. 1859, 1860, 1861 ✓

87, C. torulosus Pinál March 3

- 88 - *Campylopus cubensis* Sull. Near Savanas on the river Castro near Sagua de Tánamo, April 3. 1861
- 88 - *Erpodium domingense* (Spreng.) C.M. On the underside of leaning trees, Bayamo, Oct. 12. 1860
- 88 - *Erpodium domingense* (Spreng.) C.M. On tree, Loma de Rangel, July 15. 1862
- 89 - *Holomitrium wrightii* Sull. On logs, Guajaibos, Nov. 16. 1862, 1863 ✓
- 89 - (another collection) *Holomitrium wrightii* Sull. On trees in thick woods, M. V., March 13. 1859, 1860 ✓
- 90 - *Holomitrium marginatum* Mitt. Cuba. -
- 91a- *Leucoloma albulum* (Sull.) Jaeg. On dead wood, M. V., Feb. 28 1859, 1860, 1861 ✓
- 91 - *Leucoloma albulum* (Sull.) Jaeg. On palm, Arroyo Ventecinco, Jurisdic., San Cristóbal, Apr. 21. 1862, 1863, 1864 ✓
- 93 - *Syrrhopodon quadichaudii* Mont. No data. — Same substrates etc as #94
- 94 - *Syrrhopodon gaudichaudii* Mont. On trees, Monte Verde, Nov. 18. 1861
- 95 - *Syrrhopodon incompletus* Schwaegr. On palms, Monte Verde, March 9. 1859, 1860, 1861 ✓
- 96 - *Syrrhopodon incompletus* Schwaegr. On palms in woods, Monte Verde, March 13. 1859, 1860 ✓
- 97 - *Syrrhopodon floridanus* Sull. On palms near the ground, Vega Yabrunal [?] near Consolación, Dec. 1. 1862
- 98 - *Syrrhopodon floridanus* Sull. At base of palms, Sitio Nuevo. Dec. 26. 1862, 1863 ✓
- 99 - *Syrrhopodon floridanus* Sull. On palms, Retiro, March 21. 1864
- 100 - *Syrrhopodon floridanus* Sull. On palms near the ground, Vega Yabrunal ?, near Consolacion, Dec. 1. 1862
- 101 - *Syrrhopodon floridanus* Sull. On palms, Princip. [?] - S. Spíritus [?], Dec. 27. 1861
- 102 - *Syrrhopodon floridanus* Sull. On trees, Bayamo, Las Tunas, Dec. 21. 1861
- 104 - *Syrrhopodon incompletus* Schwaegr. On palms, Loma de los Organos, Oct. 3. 1862, 1863 ✓
- 105 - *Groustiella mucronifolia* (Hook. & Grev.) Crum & Steere. On palms, Loma de Rangel, June 17. 1862, 1863, 1864 ✓
- 106 - *Macromitrium cirrosum* (Hedw.) Brid. forma. On trees in woods, Monte Verde, March 22. 1859, 1860 ✓

- 107 - *Macromitrium cirrosum* (Hedw.) Brid. Monte Verde. Sept. 2. 1859, 1861 ✓
- 108 - *Groutiella apiculata* (Hook.) Crum & Steere. No data. —
- 109 - *Groutiella rugosa* (Grout) Crum & Steere. On palms, Monte Verde, March 22. 1859, 1860 ✓
- 110 - *Schlotheimia rugifolia* (Hook.) Schwaegr. On trees, Sagua Vueltabajo, Nov. 3. ?
- 111 - *Schlotheimia rugifolia* (Hook.) Schwaegr. Monte Verde, March 27. 1859, 1860 ✓
- 112 - *Groutiella apiculata* (Hook.) Crum & Steere. On branches of trees in woods,
Monte Verde, March 15. 1859, 1860 ✓
- 113 - *Philonotis glaucescens* (Hornsch.) Par. On wet rocks along the River Taco.
Taco, Retiro, March 27. 1864
- 114 - *Philonotis glaucescens* (Hornsch.) Par. On banks, Cuchillas de Baracoa,
June 20. 1860, 1861 ✓
- 115 - *Philonotis glaucescens* (Hornsch.) Par. On banks, Bayamo, Dec. 19. 1861
- 116 - *Philonotis sphaericarpa* (Hedw.) Brid. No data. —
- 117 - *Sematophyllum lamprophyllum* Mitt. & S. insularum (Sull.) Mitt. No data. —
- 117 - *Pogonatum pensilvanicum* (Hedw.) Par. On banks, Viñales, Jan. 26. 1863, 1864 ✓
- 118 - *Pogonatum pensilvanicum* (Hedw.) Par. On banks, Luis Lazo, Jan. 6. 1864
- 118 - *Sematophyllum lamprophyllum* Mitt. & S. insularum (Sull.) Mitt. On logs in
woods, Monte Verde, March 9. 1859, 60, 61 ✓
- 119 - *Fissidens dissitifolius* Sull. On wet banks, N. Sophia, Nov. 22. 1859, 60, 61 ✓
- Some → 119 - *Fissidens dissitifolius* Sull. On wet banks, N. Sophia, Nov. 22. 1859, 60, 61 ✓
- 119 - *Sematophyllum lamprophyllum* Mitt. On rotten logs in the pinal, Monte Verde,
March 3. 1859, 60, 61 ✓
- 120 - *Trichostomum jamaicense* (Mitt.) Jaeg. On stones, N. Sophia, Nov. 22. 1859, 60, 61 ✓
- 120 - *Sematophyllum lamprophyllum* Mitt. On logs in woods, Monte Verde, Nov. 18. 1861
- 120 - *Bryum coronatum* Schwaegr. On burnt earth, Farallones, Potrero San Andrés,
Oct. 18. 1860
- 121 - *Hyophila tortula* (Schwaegr.) Hampe. On Stones, Saladin [?] [Salado ?]
Cuba, Nov. 21. ?
- 121 - *Sematophyllum lamprophyllum* Mitt. No Data. —

123 *Mittenothamnium diminutive* (Hampe) Britt

On logs, roadside Baracoa Dec 16

123 *Barbula cruegeri*, Sond. On stones and banks, N. Sophie Nov. 22, 1860

Thuidium involucri listed as 129 is really 179 (error made in
diagnosis, the collector #)

120 *Sematoph. lampophyllum* on logs dense woods MV July 17

- 122 - *Tortula mniifolia* (Sull.) Mitt. On damp banks, N. Sophie, Nov. 22. 1859, 60, 61 ✓
- * 123 *Mittetothamnium diminutulum* (Hampe) Broth On logs roadside Baracoa
- 125 - *Entosthodon bonplandii* (Brid.) Mitt. On rocks in river, San

Sebastian Lagunillas, Dec. 16. ?

- 125 - *Hyophila tortula* (Schw.) Hampe. On stones, N. Sophie, Nov. 22. 1859, 60, 61 ✓
- 125 - *Sematophyllum sericifolium* Mitt. On trees, San José, Oct. 20. 1862

* 124
mv

- 126 - *Philonotis sphaericarpa* (H.) Brid. No data.
- 126 - *Sematophyllum sericifolium* Mitt. On logs, Las Tunas - P. Principe, Dec. 23. 1861

- 127 - *Isopterygium micans* (Swartz) Broth. On logs in swamps, Sitio Nuevo, Jurisdic. Nueva Filipina, Dec. 16. 1862, 1863 ✓

- 127 - *Bryum coronatum* Schwaegr. On ground that has been burned, Potrero San Andrés, Oct. 29. 1860

- 128 - *Bryum coronatum* Schwaegr. On walls of masonry, Ingenio Esperanza near Pinar del Río, Dec. 3. 1862

- 128 - *Stereophyllum radiculosum* (Hook.) Mitt. On trees, P. Principe - Espíritu Santo, Dec. 27. 1861

- 129 - *Bryum coronatum* Schwaegr. On banks, Retiro, Sept. 4. 1863

- 129 - *Sematophyllum sericifolium* Mitt. On logs, Las Tunas - P. Principe, Dec. 13. 1861

179

- 129 - *Thuidium involvens* (Hedw.) Mitt. On trees at the base, San José, Oct. 16. 1862

- 130 - *Sematophyllum galipense* (C.M.) Mitt. On bushes at the roots, Bayamo - Las Tunas, Dec. 21. 1861

- 131 - *Bryum sawyeri* Ren. & Card. On rocks beside rivulets, Monte Verde, Feb. 28. 1859, 60, 61 ✓

- 131 - *Taxithelium planum* (Brid.) Mitt. & *Isopterygium tenerum* (Sw.) Mitt. At base of palms, Los Remates - La Grifa, Jurisdic. Nueva Filipina, Dec. 21. 1863

- 132 - *Bryum sawyeri* Ren. & Card. On rotten logs, Monte Verde, May 28. 1859, 60 ✓

- 133 - *Bryum sawyeri* Ren. & Card. On old logs, Monte Verde, April 2. 1859, 60 ✓

- 134 - *Bryum sawyeri* Ren. & Card. On logs, Las Tunas - P. Principe, Dec. 23. 1861

123 *Boarbala cruegeri* 11/22/60

124 *Stereophyllum cultelleforme* (Sull) Mitt
+ *Mitthenothamium demeritense* Rege - | Burt
Roadside Dec 15 Bogomo

124 *Trichostomium creniculatum*
On Stone, North Sophie. Nov 22
det E.B. Barkum

- 136 - *Bryum sawyeri* Ren. & Card. North bank of the crater, E. Maui, Sandwich
I. Date dubious; discard.
- 137 - *Bryum sawyeri* Ren. & Card. On logs, San Andrés, March 29. 1859, 60, 61 ✓
- 138 - *Bryum sawyeri* Ren. & Card. At base of trees, Pinito de la Jaula, Jurisdic.
Guanes, Dec. 25. 1862, 63 ✓
- 139 - *Bryum* sp. (sterile). On rocks, San José, Sept. 5. 1862
- 140 - *Bryum* sp. (sterile). On ground that has been burned, Farallones Potrero
San Andres, Oct. 27. 1860
- 140 - *Sematophyllum admistum* (Sull.) Mitt. On trees, Bermejales, Jurisdicción
de San Cristóbal, Oct. 9. 1862, 63 ✓
- 141 - *Helicodontium capillare* (Hedw.) Jaeg. Roadside, Bayamo, Dec. 15. 1861
- 142 - *Helicodontium capillare* (Hedw.) Jaeg. On trees, Loma de Rangel, Oct. 14. 1861
- 143 - *Sematophyllum caespitosum* (Hedw.) Mitt. On *Ginoria* along rivulets, Arroyo
Veintecinco, March 29. ?
- 144 - *Austinia tenuinervis* (Mitt.) C.M. & *Pinnatella minuta* (Mitt.) Broth.
[*Clasmatodon trichelyma* Sull. m.s.] On vines in woods, Monte
Verde, Feb. 28. 1859, 60, 61 ✓
- 145 - *Thuidium schistocalyx* (C.M.) Mitt. No data. -
- 146 - *Helicodontium capillare* (Hedw.) Jaeg. At the base of palms, woods, San
José, Oct. 16. 1862
- 147 - *Helicodontium capillare* (Hedw.) Jaeg. Monte Libano, Sept. 27. 1861
- 148 - *Helicodontium capillare* (Hedw.) Jaeg. On bushes in bed of Río Santa Cruz,
Oct. 16. 1862, 63 ✓
- 150 - *Acrocryphaea gardneri* (Mitt.) Jaeg. Collected promiscuously from coffee trees
in the field, Monte Verde, Feb. 27, 1860 ! ! !
- 151 - *Cryphaea filiformis* (Sw.) Brid. & *Acrocryphaea gardneri* (Mitt.) Jaeg. On
bushes, Bayamo - Las Tunas near Canto, Dec. 20. 1861
- 153 - *Entodon macropus* (Hedw.) C.M. Monte Libano, March 6. 1861
- 154 - *Entodon macropus* (Hedw.) C.M. On logs, Monte Verde, Jan. 7. 1859, 61 ✓

- 155 - *Sematophyllum sericifolium* Mitt. On logs, Bermejales, Jurisdicción
San Cristóbal, Oct. 9. 1862, 63 ✓
- 155 - *Entodon macropus* (Hedw.) C.M. & *Mittenothamnium reptans* (Hedw.) Card.
On dead wood, Monte Verde, Feb. 28. 1861, 60, 59 ✓
- 156 - *Entodon macropus* (Hedw.) C.M. & *Neckeropsis undulata* (Hedw.) Reich. On
rotting stumps, Los Hondones (Valparaiso), Oct. 4. 1861
- 156 - *Mittenothamnium diminutivum* (Hampe) Britt. & *Thuidium involvens* (Hedw.) Mitt.
No data. ✓
- 157 - *Isopterygium subtenerrimum* (Hampe) Par. ? On logs, Loma de Rangel, Oct. 14. 1862, 6 ✓
- 158 - *Helicodontium capillare* (Hedw.) Jaeg. & *Acrocryphaea*. On coffee trees,
Monte Verde, Feb. 27. 1859, 60, 61 ✓
- 158 - *Neckeropsis disticha* (Hedw.) Kindb. On palms, La Grifa, Jurisdic. Nueva
Felipina, Dec. 23. 1863
- 159 - *Pilotrichum bipinnatum* (Schw.) Brid. On trees, Potosí, Monte Toro, Oct. 10. 1859, 61 ✓
- 159 - *Sematophyllum galipense* (C.M.) Mitt. On rocks in rivulets, Ysabel María,
Jan. 7. ?
- ~~160 - *Orthostichopsis tetragona* (Hedw.) Broth. No data. ✓~~
- 160 - (over)
- 161 - *Papillaria nigrescens* (Hedw.) Jaeg. No data. ✓
- 162 - *Lepidopilum polytrichoides* (Hedw.) Brid. Yunque de Baracoa, June 2. 1860
- ~~164 - *Lepidopilum muelleri* (Hampe) Mitt. On bushes in dense woods, Potosi
Monte Toro, Oct. 13. 1859, 60, 61 ✓~~
- 165 - *Cyclodictyon varians* (Sull.) Broth. - on rocks Potosi in Monte Toro
- 166 - *Hookeriopsis incurva* (Hook. & Grev.) Broth. On rotten logs in woods, May 1
Valparaiso, Oct. 2. 1861
- 167 - *Hookeriopsis incurva* (Hook. & Grev.) Broth. On rotten logs in low
woods, Valparaiso, Oct. 2. 1861
- 168 - *Callicostella depressa* (Hedw.) Jaeg. On rocks in rivulets, Jurisdiccion
Pinar del Río, Dec. 14. 1862

160 - Isopterygium n. sp. ? (On "tembladeras" (floating islands) in
lagunas at the base of tall grasses, Cyperaceae etc., San
Mateo near Pinar del Rio, Dec. 8. 1862

Also

On tembladeras in lagunas, Asienti Viejo de San Julian, Nov. 30. 1860

- 169 - *Callicostella depressa* (Hedw.) Jaeg. On logs in swamps, Sitio Nuevo,
Jurisdic. Nueva Filipina, Dec. 16. 1862, 63 ✓
- 170 - *Rhynchostegiopsis flexuosa* (Sull.) C.M. On rotten logs, Potosí, Monte
Toro, Oct. 10. 1859, 60, 61 ✓
- 171 - *Cyclodictyon varians* (Sull.) Broth. Loma de Rangel, Oct. 14. 1863, 62 ✓
172 - (over)
- 173 - *Rhynchostegiopsis flexuosa* (Sull.) C.M. On rotten logs, Potosí Monte
Toro, Oct. 10. 1859, 60, 61 ✓
- 174 - *Cyclodictyon varians* (Sull.) Broth. *Callicostella depressa* (Hedw.) Jaeg.,
Ectropothecium, *Thuidium*. Monte Verde, July 20. 1859, 60, 61 ✓
- 174 - *Helicodontium capillare* (Hedw.) Jaeg. No data. —
- 175 - *Callicostella depressa* (Hedw.) Jaeg. On rocks beside rivulets, Monte
Verde, Nov. 18. 1861
- 175 - *Thuidium involvens* (Hedw.) Mitt. On trees at the base, San José, Oct. 16. 1862
- 176 - *Lepidopilum cubense* (Sull.) Mitt. On bushes, Loma de Rangel, July 10. 1862, 63 ✓
- 177 - *Thuidium schistocalyx* (C.M.) Mitt. On trees at base, P. Principe -
S. Espíritu, Jan. 1. 1862
- 178 - *Thuidium minutulum* (Hedw.) BSG. On logs, Retiro, March 22. 1864
* — For 179 see *Thuidium minutulum* # 129 for data
- 180 - *Thuidium involvens* (Hedw.) Mitt. No data. —
- 181 - *Thuidium minutulum* (Hedw.) BSG. On rotting stump in field, Monte
Verde, Feb. 27. 1859, 60, 61 ✓
- 182 - *Thuidium minutulum* (Hedw.) BSG. On rotten log, Monte Verde, Aug. 20. 1861
- 183 - *Thuidium schistocalyx* (C.M.) Mitt. & *Anomodon attenuatus* (Hedw.) Hueb.
On stones at base of farallon, Vinales, Jan. 30. 1863, 64 ✓
- 184 - *Thuidium schistocalyx* (C.M.) Mitt. Monte Verde, July 20. 1859, 60 ✓
- 185 - *Thuidium urceolatum* Lor. No data —
186 see # 50 Rangel Oct. 1862, 63 ✓
- 187 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On logs, Bermejales,
Jurisdic. San Cristóbal, Oct. 9. 1862, 63 ✓
- 188 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On logs, Rangel, Aug. 7. 1862, 63 ✓

172 - Callicostella n. sp.? Loma de los Organos, Oct. 3. 1862, 93 ✓
The dioicous inflorescence, smooth costa, smooth seta, and
± elongate cells seem distinctive, in combination.

- 188 - *Stereophyllum radiculosum* (Hook.) Mitt. & *Calymperes donnellii* Aust.
At the base of palms, San José, Oct. 16. 1862
- 189 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On rotten logs in woods,
Valparaiso, Oct. 2. 1859, 61 ✓
- 190 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On logs, Loma de Rangel,
Oct. 14. 1862, 63 ✓
- 190 - *Taxithelium planum* (Brid.) Mitt. On rotten stumps, Los Hondones
(Valparaíso), Oct. 4. 1861
- 191 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On rocks at base of paredores,
Viñales, Jan. 30. 1863, 64 ✓
- 191 - *Taxithelium planum* (Brid.) Mitt. & *Isopterygium subtenerrimum* (Hampe) Par.
On logs, San José, Oct. 20. 1862
- 192 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On rotten logs, Monte Verde,
Aug. 26. 1859, 61 ✓
- 192 - *Stereophyllum radiculosum* (Hook.) Mitt. & *Taxithelium planum* (Brid.) Mitt.
On old logs in woods, Fuabequi [?], Nov. 9. ?
- 193 - *Helicodontium capillare* (Hedw.) Jaeg. On trees, San José, Oct. 20. 1862
- 193 - *Taxithelium planum* (Brid.) Mitt. On bushes, Monte Verde, Nov. 18. 1861
- 194 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On banks, Sagua (Vega), Nov.
9. ?
- 194 - *Stereophyllum leucostegum* (Brid.) Mitt. On logs, Santa Cruz, Aug. 19. 1862, 63 ?
- 195 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On logs, Guajaybon, Sept. 18. 1862, 63 ✓
- 195 - *Trichosteleum sentosum* (Sull.) Jaeg. On rotten logs in woods, Monte
Verde, Nov. 18. 1861
- 196 - *Acroporium jamaicense* Crum & Bartr. & *Trichosteleum sentosum* (Sull.) Jaeg.
On rotten logs, Yunque de Baracoa, June 11. 1861
- 196 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On stones, San Diego de los
Baños, Sept. 10. 1862, 63 ✓

- 197 - *Sematophyllum galipense* (C.M.) Mitt. On stones, San Juan de Buevavista,
Nov. 24. 1860
- 198 - *Sematophyllum galipense* (C.M.) Mitt. ? No data —
- 199 - *Sematophyllum galipense* (C.M.) Mitt. La Guinea, Dec. 10. 1859, 60, 61 ✓
- 201 - *Sematophyllum sericifolium* Mitt. No data. —
- 203 - *Mittenothamnium reptans* (Hedw.) Card. Monte Libano [?], Sept. 28 1861
- 204 - *Vesicularia amphibola* (Spruce ex Mitt.) Broth. ? No data. —
- 205 - *Rhaphidorrhynchium subsimplex* (Hedw.) Broth. On logs, Loma de Rangel,
July 10. 1862, 63 ✓
- 205 - *Sematophyllum admistum* (Sull.) Mitt. & *Isopterygium tenerum* (Sw.) Mitt.
On rotten logs in woods, Potrero San Andrés, 4 leagues from
Bayamo, Oct. 22. 1860
- 206 - *Isopterygium tenerum* (Sw.) Mitt. At base of palms, Ingenio Esperanza
near Pinar del Rio, Dec. 6. 1862
- 206 - *Sematophyllum caespitosum* (Hedw.) Mitt. forma - On trees, margin of river,
Santa Cruz, Sept. 5. 1862
- 207 - *Sematophyllum sericifolium* Mitt. No data. —
- 208 - *Mittenothamnium diminutivum* (Hampe) Britton. On logs, Bermejales,
Jurisdicion San Cristobal, Oct. 9. 1862, 63 ✓
- 209 - *Mittenothamnium reptans* (Hedw.) Card. On rocks beside rivulets, Monte
Verde, Nov. 18. 1861
- 210 - *Isopterygium subtenerrimum* (Hampe) Par. On palm, Monte Verde, Aug. 26. 1859, 61 ✓
- 210 - *Mittenothamnium reptans* (Hedw.) Card. No data. —
- 211 - *Stereophyllum radiculosum* (Hook.) Mitt. & *Mittenothamnium diminutivum* (Hpe.)
Britt. On logs in woods, Potrero San Andrés, Oct. 29. 1860
- 212 - *Isopterygium subtenerrimum* (Hampe) Par. On logs, Monte Verde, Aug. 26. 1859, 61 ✓
- 213 - *Mittenothamnium reptans* (Hedw.) Card. On trunks of slender trees, Monte
Verde, March 20. 1859, 60 ✓
- 214 - *Mittenothamnium reptans* (Hedw.) Card. On branches of trees, Monte Verde,
March 20. 1859, 60 ✓

- 215 - *Isopterygium subtenerrimum* (Hampe) Par. On palms in woods, Monte Verde, Feb. 28. 1859, 60, 61 ✓
- 216 - *Mittenothamnium reptans* (Hedw.) Card. On trees, Los Hondones, Oct. 4. 1861
- 234 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On logs, La Palma (Vega), Jurisdicción San Cristóbal, Partido Palacios. 1862, 63, 64 ?
- 235 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On logs, Rangel, March 22. 1863, 64 ✓
- 236 - *Sematophyllum sericifolium* Mitt. On trees, Rio Taco Taco, March 24. 1863, 64 ✓
- 237 - *Isopterygium micans* (Sw.) Broth. On logs in swamp, Sitio Nuevo, Jurisdic. Nueva Felipina, Dec. 16. 1862, 63 ✓
- 237 - *Taxithelium planum* (Brid.) Mitt. On stones, roadside, Bayamo, Cuba, Dec. 15. 1861
- 238 - *Taxithelium planum* (Brid.) Mitt. & *Mittenothamnium diminutivum* (Hampe) Britt. On logs, roadside, Bayamo, Dec. 16. 1861
- 240 - *Taxithelium planum* (Brid.) Mitt. Around the base of palms, Mayarí-abajo, Aug. 2. 1860
- 241 - *Haplocladium microphyllum* (Hedw.) Broth. On stones, N. Sophie, Nov. 22. 1859 ✓
- 242 - *Sematophyllum admistum* (Sull.) Mitt. On logs in woods at Cayo del Rey, Aug. 10. ? 1860 ?
- 243 - *Mittenothamnium diminutivum* (Hpe.) Britt. On stones beside creeks, Saltadero, Cuba, Nov. 21. 1859
- 244 - *Taxithelium planum* (Brid.) Mitt. No data. —
- 245 - *Sematophyllum sericifolium* Mitt. On logs, Sitio Nuevo, Jurisdicción Guanés, Dec. 26. 1862, 63 ✓
- 246 - ~~Micro~~^{le}*rothecium wrightii* (C.M.) Broth. (det. ex char.) On palms, Monte Verde, March 15. 1859, 60 ✓
- 247 - *Sematophyllum caespitosum* (Hedw.) Mitt. forma. On tree, Potosí, Monte Toro, Oct. 14. 1859, 61 ✓
- 248 - *Sematophyllum sericifolium* Mitt. On bushes, Loma de Rangel, Oct. 14. 1862, 63 ✓
- 249 - *Sematophyllum caespitosum* (Hedw.) Mitt. & *S. sericifolium* Mitt. On old logs, Monte Verde, April 2. 1859, 60, 61 ✓

- 250 - *Mittenothamnium cubense* (C.M.) Card. (sensu Thériot, Mem. Soc. Cubana
Hist. Nat. 15: 228) ? Monte Libano, March 7. 1861
- 251 - *Mittenothamnium diminutivum* (Hpe.) Britt. On logs, Monte Verde, Aug. 24. 1859, 61 ✓
- 252 - *Stereophyllum leucostegum* (Brid.) Mitt. On bushes, Retiro, July 15. 1863
- 253 - *Sematophyllum sericifolium* Mitt. On rotten logs, Loma de Rangel,
June 17. 1862, 63 ✓
- 254 - *Mittenothamnium diminutivum* (Hampe) Britt. forma - Loma de Runjil, June 17. ?
- 261 - *Sematophyllum caespitosum* (Hedw.) Mitt. forma - On the upper twigs of tall
trees, Monte Verde, March 20. 1859, 60 ✓
- 262 - *Homaliodendron decompositum* (Brid.) Wagner. Monte Verde, Nov. 18. 1861
- 263 - *Sematophyllum lamprophyllum* Mitt. On rotting logs, Monte Verde, Nov. 18. 1861

Wright's 3rd. Cuban Collection. 1867.

- 1 - *Erpodium domingense* (Spreng.) C.M. On trees in mangrove swamps,
Toscano, April 10. 1866
- 2 - *Dicranella harrisii* (C.M.) Broth. No data. —
- 3 - *Dicranella herminieri* Besch. On banks of rivulets, Pinales, Pinardel Rio,
Oct. 1865, 66
- 4 - *Dicranella reticulata* (C.M.) Paris & *Entosthodon bonplandii* (Hook.) Mitt.
On rocks in the river, San Sebastian Lagunillas, J. Pinar del Río,
Dec. 1865, 66
- 5 - *Dicranella hilariana* (Mont.) Mitt. Banks, J. Pinar del Río, Dec. 1865, 66
- 6 - *Dicranella subinclinata* Lor. On banks, Viñales, [Jan. ?] 1866, 67
- 7 - *Holomitrium wrightii* Sull. (a form probably referable to *H. maxonii*
Williams). On bushes, summit of mts., Vinales, Nov. 1865, 66
- 8 - *Trichostomum jamaicense* (Mitt.) Jaeg. On rocks along the river, San
Sebastian Lagunillas, J. Pinar del Río, Dec. 1865, 66
- 9 - *Ephemerum serratum* (Hedw.) Hampe? No data. (no drawing.) —
- 10 - *Entosthodon bonplandii* (Hook.) Mitt. No data. —
- 11 - *Entosthodon bonplandii* (Hook.) Mitt. On rocks along the river, San
Sebastian Lagunillas, J. Pinar del Río, Dec. 1865, 66
- 12 - *Octoblepharum albidum* Hedw. At the base of palms, Dayaniguas, Dec. ?
- 13 - *Bryum coronatum* Schwaegr. On the ground, hills, Balestena, Jan. 9. 1866
- 14 - *Syrrhopodon incompletus* Schwaegr. On palms, Caiguanabo, Nov. .
- 15 - *Syrrhopodon incompletus* Schwaegr. On trees, Monte Verde, Nov. 13. 1865
- 16 - *Syrrhopodon floridanus* Sull. On palms in woods, Retiro, July. 1866
- 17 - *Trichostomum jamaicense* (Mitt.) Jaeg. On rocks beside the river, Sta.
Cruz Balestena, Feb. 3. 1866

- 18 - *Groutiella apiculata* (Hook.) Crum & Steere. On trees, Rangel,
Nov. 14. 1866
- 19 - *Pogonatum pensilvanicum* (Hedw.) Par. On banks, Viñales, Jan. 66, 67
- 20 - *Pogonatum pensilvanicum* (Hedw.) Par. On banks, Cayos de San Felipe,
J. Pinar del Río. -
- 21 - *Fissidens kegelianus* C.M. Retiro, Aug. 66
- 22 - *Fissidens elegans* Brid. On dripping banks, Rangel, Nov. 7. 65, 66
- 23 - *Fissidens* ~~n. sp.~~ ^{neglectus Crum.} In mountain rivulets on rocks overflowed by heavy
rain, Loma Pelada, Nov. 29. ?
- 24 - *Fissidens kegelianus* C.M. In dense patches, summit of hills,
Retiro, Oct. 3. 65
- 25 - *Fissidens similiretis* Sull. At the base of palms, Retiro, Oct. 2. 65
- 26 - *Fissidens elegans* Brid. On rocky banks of stream, La Catalina (Vega),
Nov. ?
- 27 - *Fissidens similiretis* Sull. On banks, Rangel, Feb. 9. 1866, 67*
- 28 - *Fissidens similiretis* Sull. On rocks in mountain wood, Retiro, Sept. 1866
- 29 - *Fissidens similiretis* Sull. In mountain rivulets on rocks, overflowed
in heavy rain, Loma Pelada, Nov. 29. ?
- 30 - *Fissidens* ~~n. sp.~~ ^{pellucidus Hornsch.} (form with blunt leaf tips, short costa, strongly
toothed margin) On banks, J [urisdicion] Pinar del Rio, Dec. 65, 66
- 31 - *Fissidens garberi* L. & J. No data. -
- 32 - *Fissidens leptopus* Card. On stones, pinal, Rangel, Dec. 20. 1865, 66
- 33 - *Fissidens elegans* Brid. On rocks, Rangel, Jan. 11. 1866, 67
- 34 - *Fissidens pellucidus* Hornsch. On banks, mountains of Rangel, Dec. 1865, 66
- 35 - *Fissidens similiretis* Sull. On the vertical face of rocks, in damp
shady woods, Loma Pelada, Dec. 12. ?
- 36 - *Fissidens leptopus* Card. On banks in dense woods, Retiro, Nov. 20. 1866
- 37 - *Fissidens similiretis* Sull. Loma Pelada, Dec. 12. ?
- 38 - *Fissidens densiretis* Sull. ? No data. -
- 39 - *Fissidens similiretis* Sull. On rotten logs, Rangel, Dec. 20. 1865, 66

- 40 - *Fissidens elegans* Brid. forma (= *F. cuspidulatus* Sull.) On earth,
Rangel, Dec. 20. 1865, 66
- 41 - *Fissidens similiretis* Sull. On rotten logs, Rangel, Dec. 20. 1865, 66
- 42 - *Fissidens similiretis* Sull. & *Thuidium urceolatum* Lor. On trees in dense
woods, Rangel, Dec. 20. 1865, 66
- 43 - *Fissidens leptopus* Card. On banks in woods, Retiro, Nov. 20. 1866
- 44 - *Fissidens leptopus* Card. On rotten wood in forests, Retiro, Nov. 20. 1866
- 45 - *Fissidens kegelianus* C.M. On hard earth along paths, Retiro, Nov. 20. 1866
- 46 - *Fissidens ravenelii* Sull. ? & *F. radicans* Mont. On adventitious roots
of palms in woods, Retiro, Nov. 20. 1866
- 47 - empty ~
- 48 - *Fissidens garberi* L. & J. On banks, Rangel. ~
- 49 - *Fissidens donnellii* Aust. & *Isopterygium subtenerrimum* (Hampe ex C.M.) Par.
& *Mittenothamnium diminutivum* (Hampe) Britt. On rotten woods,
Mogote de Mono, Rangel, Nov. 17. 1865, 66
- 50 - *Fissidens angustifolius* Sull. On stones and earth (banks), Rangel, Nov. 14. 1865, 66
- 51 - *Fissidens similiretis* Sull. On tree, summit of mountains, Mogote de Mono,
Rangel, Nov. 17. 1865, 66
- 52 - *Fissidens leptopus* Card. On banks, Rangel, Nov. 14. 1865, 66
- 53 - *Fissidens angustifolius* Sull. On earth in dense woods, Rangel, Nov. 14. 1865, 66
- 54 - *Fissidens leptopus* Sull. & *F. kegelianus* C.M. On banks of earth, Rangel,
Nov. 17. 1865, 66
- 55 - *Fissidens garberi* L. & J. Around the base of bushes, Rangel, Nov. 14. 1865, 66
- 56 - *Fissidens similiretis* Sull. On bushes close to the ground, mts. of
Rangel, Nov. 14. 1865, 66
- 57 - empty ~
- 58 - *Fissidens debilis* Schwaegr. On gravel and stones in the bed of a rivulet,
Charco de Toro, Aug. ?
- 59 - *Cyclodictyon varians* (Sull.) Broth. No data. ~

- 60 - *Cyclodictyon virians* (Sull.) Broth. & *Vesicularia vesicularis* (Mitt.) Broth.
On logs in woods, Rangel, Feb. 9. 1866, 67
- 61 - *Vesicularia crassicaulis* (Mitt.) Broth. On logs in woods, Rangel,
Dec. 20. 1865, 66
- 62 - *Callicostella depressa* (Hedw.) Jaeg. On rotten logs in the mountains,
Balestina, July. 1866
- 63 - *Cyclodictyon varians* (Sull.) Broth. & *Vesicularia vesicularis* (Schw.) Broth.
No data. —
- 64 - *Rhizogonium spiniforme* (Hedw.) Bruch. On logs and stumps in damp woods,
Arroyo veintecinco, Jan. 16. ?
- 65 - *Neckeropsis undulata* (Hedw.) Reich. On trees in dense woods, Rangel,
Nov. 14. 1865, 66
- 66 - *Orthostichidium pentagonum* (Hampe & Lor.) C.M. On trees and bushes in damp
woods, Rangel, Nov. 14. 1865, 66
- 67 - *Neckeropsis disticha* (Hedw.) Kindb. No data. —
- 68 - *Orthostichopsis tetragona* (Hedw.) Broth. Hanging from bushes, damp woods
on the río Seco in Arroyo Hondo, J. Pinar del Río, Dec. 1866
- 69 - *Barbula cubensis* (Mitt.) Broth. On bushes in damp woods, Rangel, Nov. 14. 1865, 66
- 70 - *Helicodontium capillare* (Hedw.) Jaeg. On trees, Balestina, Feb. 17. 1866
- 71 - *Pilotrichidium leonii* (Thér.) Crum & Bartram. On rocks in mountain
rivulets, Güinía, Trinidad, March 4. 1867
- 72 - *Leptodictyum riparium* (Hedw.) Warnst. No data. —
- 73 - *Leptodictyum riparium* (Hedw.) Warnst. On rocks in Río Cuyaguaje, La
Griva in Luis Lazo, Dec. 1866
- 74 - *Leptodictyum riparium* (Hedw.) Warnst. Rocks in the river Santa Cruz, always
submerged, Nov. ?
- 75 - *Syrrhopodon floridanus* Sull. On the caudex of arborescent ferns, Loma
Pelada, Dec. 12. ?
- 76 - *Lepyrodontopsis trichophylla* (Hedw.) Broth. On rocks and trees beneath
cliffs, Loma Pelada, Dec. 4. ?

- 77 - *Thuidium urceolatum* Lor. On rocks and logs, (no locus). ✓
- 78 - *Thuidium urceolatum* Lor. No data. ✓
- 79 - *Thuidium urceolatum* Lor. No data. —
- 80 - *Thuidium minutulum* (Hedw.) BSG. On rotten logs in woods, Rangel, Nov. 14. 1865, 66
- 81 - *Vesicularia crassicaulis* (Mitt.) Broth. & *Ectropothecium apiculatum* (Hornsch.)
Miss. On rotten logs in dense woods, Rangel, Nov. 14. 1865, 66
- 82 - *Ectropothecium apiculatum* (Hornsch.) Mitt. On rotting logs in dense woods,
Retiro, Nov. 20 1866
- 83 - *Ectropothecium apiculatum* (Hornsch.) Mitt. & *Thuidium* sp. On rotten logs
in dense woods, Retiro, Nov. 20. 1866
- 84 - *Vesicularia crassicaulis* (Mitt.) Broth. & *V. vesicularis* (Schwaegr.) Broth.
& *Ectropothecium apiculatum* (Hornsch.) Mitt. No data. —
- 85 - *Vesicularia crassicaulis* (Mitt.) Broth. On rotten logs in mountains,
Rangel, Dec. 1865, 66
- 86 - *Vesicularia crassicaulis* (Mitt.) Broth. Marshy ground, Monte Verde,
Nov. 5. 1865
- 87 - *Vesicularia crassicaulis* (Mitt.) Broth. Marshy ground, Monte Verde, Nov. 5. 1865
- 88 - *Hookeriopsis guadalupensis* (Brid.) Jaeg. In damp woods on logs, Rangel,
Jan. 11. 1866, 67
- 89 - empty —
- 90 - *Mittenothamnium reptans* (Hedw.) Card. & *Thuidium urceolatum* Lor.
No data. —
- 91 - *Haplocladium microphyllum* (Hedw.) Broth. At the base of trees, Monte
Verde, Nov. 5. 1865
- 92 - *Mittenothamnium diminutivum* (Hpe.) Britt. & *Thuidium involvens* & *T.*
schistocalyx. Caiguanabo, J. Consolación, Nov. 1865, 66
- 93 - *Mittenothamnium diminutivum* (Hampe) Britt. No data. —
- 94 - *Platiothecium jamaicense* C.M. On tembladero, Laguna de Monte [?]
to Sta. Cruz de los Pinos, Jan. 24. ?

- 95 - *Plagiothecium jamaicense* C.M. On dead vegetable matter in lagunas, Sta. Cruz de los Pinos, July. ?
- 96 - *Isopterygium micans* (Swartz) Broth. Growing on the trunks of bushes, close to the roots in the edge of ponds, Lagunade Pica Pica, Aug. 65, 66
- 97 - *Plagiothecium jamaicense* C.M. On logs beside ponds, Pinar del Río, Sept. 65, 66
- 98 - *Plagiothecium jamaicense* C.M. On tembladores in lagunas, J [urisdicion] Pinar del Río, Dec. 65
- 99 - *Vesicularia amphibola* (Spruce ex Mitt.) Broth. On sticks in wet places, Retiro, Dec. 4. 65-66*
- 100 - *Vesicularia crassicaulis* (Mitt.) Broth. On wet logs, Rangel, Jan. 27. 67
- 101 - *Vesicularia crassicaulis* (Mitt.) Broth. & *Thuidium involvens* (Hedw.) Mitt. On rotting logs in woods, Retiro, Nov. 20. 66, 65
- 102 - *Plagiothecium jamaicense* C.M. Los Cayos de San Felipe, J. Pinar del Río, Nov. 65, 66
- 103 - *Sematophyllum sericifolia* Mitt. & *Acroporium jamaicae* Crum & Bartr. On logs in woods, Rangel, Nov. 14. 65, 66
- 104 - *Acroporium jamaicense* Crum & Bartr. On logs, River Sant Cruz, Balestena, Feb. 3. 66
- 105 - *Sematophyllum admistum* (Sull.) Mitt. On rotten wood, Retiro, Nov. 20. 66
- 106 - *Stereophyllum radiculosum* (Hook.) Mitt. On trees in woods, Rangel, Nov. 17. 65, 67
- 107 - *Taxithelium planum* (Brid.) Mitt. Loma Pelada, Dec. 12. 65, 66
- 108 - *Taxithelium planum* (Brid.) Mitt. On rotting logs, Retiro, Nov. 20. 66
- 109 - *Sematophyllum caespitosum* (Hedw.) Mitt. On trees, Rangel, Nov. 14. 65, 66
- 110 - *Taxithelium planum* (Brid.) Mitt. On rotten logs, Rangel. 65, 66, 67
- 111 p.p. - *Hypnum pratense* Koch "was mixed with *Hookeria* 111" . On rocks along the Rio San Sebastian Lagunillas, J. Pinar del Río, Dec. 65, 66

- 112 - *Isopterygium micans* (Sw.) Broth. On rocks in the mountains, Retiro,
Sept. 66
- 112a- *Isopterygium subtenerrimum* (Hampe ex C.M.) Paris. No data. —
- 113 - *Leucomium compressum* Mitt. & *Vesicularia* sp. In damp woods on rocks,
Rangel, Jan. 11. 66, 67
- 114 - *Leucomium compressum* Mitt. & *Callicostella depressa* & *Isopterygium* sp.
No data. —
- 115 - *Haplocladium microphyllum* (Hedw.) Broth. & *Philonotis gracillima* Angstr.
On rotten sticks in wet places. (No locus). —
- 116 - *Isopterygium subtenerrimum* (Hampe) Par. ? (material very poor)
On rotten logs in dense woods, Retiro, Nov. 20. 66