

SOME HEPATICAE COLLECTED BY
DR. ROLAND THAXTER IN CHILE,
1905-1906

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This report covers a part of the collection made by Dr. Roland Thaxter, Professor of Cryptogamic Botany, Harvard University, while on a trip to southern Chile, Punta Arenas, Corral and Concepción, in 1905-1906. Most of the thalloid species were determined by the late A. W. Evans of Yale University and were reported in a series of his papers (Evans 1923, 1925, 1927, 1930; in Herzog and Hosseus 1938). The specimens which he cited are in the Herbarium of Yale University (YU) and the Farlow Herbarium (FH). Most of the leafy species had not been determined, although a few are cited in monographs and manuals by various workers. Dr. Engel (1968) of the Field Museum, Chicago, has listed a species from this set in his monograph of *Balantiopsis*, and Fulford (1963-1976) cited species of several genera in her Manual.

Some 75 packets of Dr. Thaxter's collection at the University of Michigan Herbarium (MICH) were sent to me for study.** Most of these packets bear the original collection number but for those without them, new numbers enclosed in brackets [] have been given. Of the 64 species represented in this set 53 are leafy species and 11 are thalloid. They are listed below along with the localities where collected and the packet numbers.

LEAFY HEPATICAE

Adelanthus bisetulus (Steph.) Grolle. In mats with other bryophytes.

Corral: 13, 117 p.p.

Adelanthus lindenbergianus (Lehm.) Mitt. On humus. Punta Arenas: 115.

Balantiopsis cancellata (Nees) Steph. On wood. Corral: 75, 96 p.p.

Balantiopsis erinacea (Hook.f. & Tayl.) Mitt. On soil with other hepatics.

Corral: 146 p.p. (very poor). Engel (1968, p. 116) has also reported this species from packet no. 75.

Bazzania nitida (Weber) Grolle. Corral: 20 p.p.

Bazzania peruviana (Nees) Trevis. Over soil, rocks and bases of trees.

Corral: 20, 35 p.p., 98 p.p., [157].

Bazzania skottsbergii (Steph.) Fulf. Over other hepatics. Corral: 68 p.p., [158 p.p.].

Cephaloziella exiliflora (Tayl.) Steph. On soil. Corral: D, 55 p.p., [154].

Clasmatocolea humilis (Hook.f. & Tayl.) Grolle. On a log with other bryophytes. Corral: [159 p.p.].

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- Clasmatocolea rigens* (Hook.f. & Tayl.) Engel. On soil. Punta Arenas: 101 *vide* Engel.
- Clasmatocolea vermicularis* (Lehm.) Grolle. On logs and soil. Corral: 96 p.p. Punta Arenas: 152.
- Frullania arietina* Tayl. On tree trunks. Concepción: [160 p.p.]. Corral: [159 p.p.].
- Frullania boveana* Mass. On bark and over moss mats. Corral: 25, 68 p.p., 98 p.p., 117 p.p., [153 p.p.], [157 p.p.].
- Jamesoniella colorata* (Lehm.) Schiffn. In mats with other bryophytes on soil, logs and trees. Corral: 68 p.p., 117 p.p., [153 p.p.].
- Jungermannia callithrix* Lindenb. & Gott. On soil. Punta Arenas: 91 p.p.
- Jungermannia crassula* Nees & Mont. On soil. Corral: 72, 94.
- Lepicolea ochroleuca* (Spreng.) Spruce. In a moss mat on the ground. Corral: 117 p.p.
- Lepidolaena menziesii* (Hook.) Dumort. On decayed logs, often in mats with other bryophytes. Corral: 45 p.p., 98 p.p., 117 p.p.
- Lepidozia chordulifera* Tayl. On soil in mats with other hepatics. Corral: 20 p.p., 117 p.p., [157 p.p.]. Punta Arenas 56.
- Lepidozia cuspidata* Steph. On soil and over logs with other hepatics. Punta Arenas: 53, 68 p.p., 100, 102.
- Lepidozia fuegiensis* Steph. In mats with other bryophytes. Punta Arenas: 91 p.p., 102 p.p.
- Lepidozia laevifolia* (Hook.f. & Tayl.) G.L.&N. In a mat with other bryophytes. Punta Arenas: 91 p.p.
- Leptoscyphus cuneifolius* ssp. *fragilis* (Jack & Steph.) Grolle. On a log. Corral: 123.
- Leptoscyphus expansus* (Lehm.) Grolle. In mats with other hepatics. Corral: 43. Punta Arenas: 27, 50 p.p., 115 p.p.
- Lophocolea attenuatus* Steph. Over logs and over other hepatics on soil. Corral: 33, 35 p.p., 103, 130, 134 p.p., [157 p.p.], [158].
- Lophocolea muricata* (Lehm.) Nees. On fern fronds. Corral: 11C.
- Lophocolea semiteres* (Lehm.) Mitt. Over logs. Corral: 125, 126.
- Plagiochila chilensis* Steph. In bryophyte mats. Corral: 71, 98 p.p., 138, [157 p.p.].
- Plagiochila fuegiensis* (Mass.) Besch. & Mass. Without locality: 1G.
- Plagiochila gayana* Gott. In mats among other bryophytes. Corral: 20 p.p., 79 p.p.
- Plagiochila lechleri* Gott. In mats of mosses. Corral: 68 p.p., 117 p.p.
- Plagiochila neesiana* Lindenb. With other hepatics. Corral: [157 p.p.].
- Plagiochila oligodon* Mont. Over a log. Corral: [158 p.p.].
- Porella chilensis* (Lehm. & Lindenb.) Trevis. On trees. Concepción: [163]. Corral: 48, 81, 98, 138, [161, 162].
- Porella subsquarrosa* (Nees & Mont.) Trevis. On trees. Corral: 79, 98 p.p., 117 p.p.

- Radula decora* Gott. On fern fronds and twigs. Corral: 11C,D p.p., 12A.
Radula fernandezana Steph. On bark, often in mats with other bryophytes. Concepción: 14. Corral: 117 p.p., 141 p.p.
Radula flavifolia (Hook.f. & Tayl.) G.L. & N. On bark. Corral: 25 p.p.
Radula hastata Steph. On trunks of trees and on twigs. Corral: 79 p.p., 127.
Radula punctata Steph. On trees and in moss mats on logs. Corral: 40, 79 p.p., 98 p.p.
Roivainenia jacquinotii (Mont.) Grolle. On soil with other hepatics. Punta Arenas: 53 p.p.
Saccogynidium australe (Mitt.) Grolle. On a log. Corral: 96 p.p.
Schistochila alata (Lehm.) Schiffn. In a bryophyte mat. Corral: 117 p.p.
Schistochila lamellata (Hook.) Dumort. A mat on soil. Corral: 36.
Schistochila reflexa (Mont.) Steph. Mats on decayed logs. Corral: 35 p.p., 45 p.p.
Telaranea tetradactyla (Hook.f. & Tayl.) Hodgs. With other hepatics in a mat. Corral: [157 p.p.]
Trichocolea elegans Lehm. With other bryophytes in a mat. Corral: 117 p.p.

LEJEUNEACEAE

- Cololejeunea tortifolia* Steph. On fern fronds. Corral: 11B.
Harpalejeunea diversicuspis Steph. On wood with other hepatics. Corral: 109, [155, 159].
Lejeunea corralensis Evans. On fern fronds and trunks of trees. Corral: 11 A-C p.p., 12 A², 106, 138 p.p. Evans (1930, p. 88) described this species from Dr. Thaxter's collections from Corral but did not cite a number for the type.
Lejeunea patigonica Steph. On leaves, fern fronds and trees. Corral: 2A, 11 A-C p.p., 11D. Evans (1930, p. 85) cited Dr. Thaxter's collections in his description of the species without citing numbers.
Microlejeunea grandistipula Steph. With other hepatics on bark and logs. Corral: 104, 124 p.p., 141 p.p., [159 p.p.].
Strepsilejeunea acuminata (Lehm. & Lindenb.) Steph. On trunks and branches of trees. Corral: 2, [156].

THALLOID HEPATICAE

- Metzgeria decipiens* (Mass.) Schiffn. & Gott. On trees and logs and among other hepatics in mats. Corral: 34, 78, 110, 122, 124, 138, 141. Evans (1923, p. 296) had cited 1f, 2c, 78, 110, 122, 124, 138, 141 from the Thaxter collections (FH, YU).
Metzgeria divaricata Evans. On soil and bark often with other hepatics. Concepción: 90 (portion of the type), [156, 160]. Evans (1923, p. 288)

described this species from Dr. Thaxter's collection and cited 90 as the type (FH, YU).

Metzgeria epiphylla Evans. On fern fronds and on leaves. Corral: 11A, 11B p.p., 108. Evans (1923, p. 303) described this species from Dr. Thaxter's collections and cited 10a (the type), 108, 140 (FH, YU).

Metzgeria violacea (Ach.) Dumort. In a bryophyte mat. Punta Arenas: [159 p.p.]—only a few scraps. Evans (1923, p. 307) cited no.159 (FH, YU).

Pallavicinia xiphoides (Hook.f. & Tayl.) Steph. On soil. Punta Arenas: 28.

Riccardia prehensilis (Hook.f. & Tayl.) Mass. In a mat with other hepatics. Corral: 98 p.p. Evans (1921, p.117) cited 39, 98 (FH, YU).

Riccardia conimitra (Steph.) Evans. On compact soil. Corral: 55. This specimen was also cited by Evans (1921, p. 156) as 55 p.p. (FH, YU).

Riccardia thaxteri Evans. On a log. Corral: 134. Evans (1921, p. 126) cited 133 as the type (FH, YU).

Riccardia sp. Corral: 146. Punta Arenas: 84.

Symphyogyna circinata Nees & Mont. On soil. Concepción: 15. This number was also cited by Evans (1927, p. 338) (FH, YU).

Symphyogyna rubritincta Evans. On soil. Concepción: [164]. Corral: 96 p.p. Evans (1929, p. 39) cited numbers 21 from Concepción and 30, 96, and 120 from Corral (FH, YU).

Lunularia thaxteri Evans & Herzog in Herzog and Hosseus. On soil. Corral: 69. The type came from Concepción. Hässel de Menendez (1962, p. 129) has considered it a form: *Lunularia cruciata* forma *thaxteri* (Evans & Herz.) Hässel.

LITERATURE CITED

- ENGEL, J. J. 1968. A taxonomic monograph of the genus *Balantiopsis* (Hepaticae). *Nova Hedwigia* 16: 83–130. Pl. 27–59.
- EVANS, A. W. 1923. The Chilean species of *Metzgeria*. *Proc. Amer. Acad. Arts & Sci.* 58: 271–324. 10 fig.
- . 1925. The lobate species of *Symphyogyna*. *Trans. Connecticut Acad. Arts & Sci.* 27: 1–50. 13 fig.
- . 1927. A further study of the American species of *Symphyogyna*. *Trans. Connecticut Acad. Arts & Sci.* 28: 295–354. 12 fig. 1 pl.
- . 1930. Two species of *Lejeunea* from Chile. *Ann. Bryol.* 3: 83–88. 2 fig.
- FULFORD, M. 1963–1976. Manual of the leafy Hepaticae of Latin America, Parts 1–4. *Mem. New York Bot. Garden* 11(1–4): 1–172, 173–276, 277–392, 393–535. 159 pl.
- HÄSSEL DE MENENDEZ, G. G. 1962. Estudio de las Anthocerotales y Marchantiales de la Argentina. *Opera Lilloana* 7: 1–297. 105 fig. 12 pl.
- HERZOG, TH. and C. C. HOSSEUS. 1938. Contribución al conocimiento de la flora briofita del sur de Chile. *Arch. Escuel. Farm. Fac. Ci. Méd. Córdoba* 1938(7): 1–95. 11 fig. 2 photos.



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