

## BRYOPHYTAE INDOSINICAE: RELIQUIAE PIERREANAE

BRYOPHYTES OF L. PIERRE'S HERBARIUM

by

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L. PIERRE, who established and managed the Saigon Botanical Garden, made collecting trips in Southern Indochina since 1860. A great part of his cryptogamic collections remained, until now, being neglected. The bryophytic specimens in L. PIERRE'S Herbarium are credited either to PIERRE or HARMAND. The greater part of them have no number, date and even locality. Numbers 1 to 170 are being given to each sheet of the herbarium by the author (Probably each collection is composed of many sheets).

### I. MOSSES

*Garckea comosa* (D. & M.) Wijk. & Marg.

No. 50, 51.

*Campylopus umbellatus* (W. Arn.) Bart. ?

Poulo Condore, Oct. 1876, Leg. HARMAND, No. 893; No. 131, 132.

*Leucoloma molle* (C.M.) Mitt.

No. 80, 83.

*Leucoloma taylori* (Schwaegr.) Mitt.

No. 2.

*Leucobryum gracillimum* Broth.

No. 155.

*Leucobryum bowringii* Mitt.

No. 73, 156.

*Leucobryum javense* (Brid.) Mitt.

No. 100.

*Leucobryum scalare* C.M.

Bencat (Thu Dau Mot), Dec. 1865, leg. PIERRE?, s.n.; No. 21, 22, 23, 27.

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*Ochrobryum kurzianum* Hpe.

No. 6, 7, 9, 10, 25, 26.

*Ochrobryum nepalense* Besch.

From Naga Hills to Cambodia. *Leucobryum siamense* Besch. and *L. assamicum* Broth. in the opinion of THERIOT are probably synonyms of this species. THERIOT determined *O. nepalense* on fruiting Cambodian specimens.

No. 138, 139, 140, 141, 142.

*Octoblepharum albidum* (L.) HEDW.

No. 8, 41, 43, 53.

*Syrrhopodon revolutus* D. & M.

No. 74.

*Thyridium manii* (C.M.) Fleisch.

No. 13, 14. New for Southern Indochina.

*Calymperes gracilescens* Broth.

The type was collected in Koh Chang by SCHMIDT. This species was found again in the same locality and in Cambodia.

No. 18, 39, 109.

*Calymperes serratum* A. Br.

No. 33, 72.

*Bryum coronatum* Schwaegr.

No. 48, 52.

*Rhodobryum roseum* (Weiss.) Limpr.

No. 70, 117, 118, 119, 119 bis, 120.

*Mnium succulentum* Mitt.

No. 75, 76.

*Rhizogonium spiniforme* (L.) Bruch.

No. 84.

*Grouttiella goniorrhyncha* (D. & M.) Wijk. & Marg.

No. 122, 123, 124.

*Schlotheimia tomentosa* Thér.

Mounts Pva (?), 25/III/1867, leg. PIERRE, No. 116; leg. HARMAND, No. 441;

No. 115, 121, 135, 144, 145, 146, 148, 149, 153.

*Trachypus bicolor* Reinw. & Hornsch.

No. 72.

*Pterobryopsis rubrinervis* P. Tix.

No. 72.

*Meteorium cf. helminthocladon* (C.M.) Fleisch.

Cells with thick walls and no papillous in the lumen. The type was collected in China. The character mentioned is after BARTRAM.

No. 56, 72.

*Aerobryidium filamentosum* Hook.

No. 89, 90, 91, 93, 94, 95, 96, 97, 97 bis, 98 (sub arbores prope Ho Lun, Bien Hoà, leg. PIERRE ?).

*Calyptothecium wightii* (Mitt.) Fleisch.

No. 81, 89.

*Neckeropsis andamana* (C.M.) Fleisch.

No. 1, 2, 20, 29, 30.

*Neckeropsis fimbriata* (Harv.) Fleisch.

No. 79.

*Neckeropsis lepineana* (Mont.) Fleisch.

Poulo-Condore, leg. HARMAND, No. 941. A duplicate of this specimens, probably determined by BROTHÉRUS, is in the Helsinki Herbarium.

*Himanthocladum plumula* (Nees.) Fleisch.

No. 72.

*Pinnatella intralimbata* Fleisch.

No. 134, 134 bis, 136, 137.



*Thamniium ellipticum* (v. d. B. & Lac.) Kind.

This species was also collected by the author in fruits, in the region of Dalat, on the ground, on the bank of a dry stream near the Da Nhim River, at 900 m. New for Indochina.

No. 147.

*Chaetomitriopsis glaucocarpa* (Reinw.) Fleisch.

Plateau a 800-900m, Mars 1867, leg. HARMAND, No. 1153.

*Thuidium meyenianum* (Hpe.) B.J.

No. 78, 82 (Lang- -?), Avril 1867, leg. PIERRE (?) No. 134, 134 bis.

*Trachyphyllum inflexum* (Harv.) Gpp.

No. 144, 145, 146, 153.

*Sematophyllum phaenicum* (C.M.) Fleisch.

No. 2, 11, 12, 38, 43, 65, 66, 67, 68, 107, 108, 109, 110, 111, 112

*Acroporium sigmatodontium* (C.M.) Fleisch.

No. 15, 16, 17, 31, 32.

*Acanthorrhynchium papillatum* (Harv.) Fleisch.

No. 77, 86, 113, 114.

*Taxithelium nepalense* (Schwaegr.) Broth.

No. 5, 19, 78, 88 (Yo Lao, Sept. 1865, leg. PIERRE (?) ), 88, 157, 158.

*Ectropothecium buitenzorgii* (Bel.) Jaeg.

No. 57, 58, 60, 61, 62, 63, 64, 72, 146 (Mts. Cam Chay, Cambodge, Nov. 1874, 900 m, leg. HARMAND).

*Taxiphyllum taxirameum* (Mitt.) Fleisch.

No. 134 bis, 136.

## II. LIVERWORTS

*Trichocolea pluma* Mont.

No. 125, 126, 127, 128, 129 (Mts. Cam Chay, Cambodge, 900 m, Mai 1867, leg. HARMAND).

*Porella acutifolia* (Lehm. & Lindenb.) Trev.

Pócs det.

*Thysanathus comosus* Lind.

Sa Lao, Jul. 1865, leg. HARMAND, No. 6; No. 151.

*Frullania nodulosa* (R.B.N.) Nees.

No. 36, 37, 38, 40, 110, 111, 112.

### III. CONCLUSIONS

This small collection represents a collecting made by phanerogamists, only specimens of large size are gathered.

In many ways, this list gives a general idea of the Bryoflora found in low regions between China Sea and the Gulf of Thailand; certain species (*Calymperes gracilescens*, *Thyridium manii*, *Schlotheimia tomentosa*, *Ochrobryum nepalense*) are evidently of the Cambodian elements.

Meanwhile, some of the species belong to the intermediate elevation, the altitudes given are not above 900m; these are members of the following genera: *Rhodobryum*, *Pterobryopsis*, *Trachypus*, and of the family *Meteoriaceae* (*Pinnatella*, *Chaetomitriopsis*, *Acroporium*).

