Original specimens kept in the herbarium of

Naturalis Biodiversity Center
(section Nationaal Herbarium Nederland)

of

Asian and South American moss taxa

published by
F. Dozy, J.H. Molkenboer,
R.B. van den Bosch
and
C.M. van der Sande Lacoste

ANDRIES TOUW

ABSTRACT. Catalogue of original material relating to the 332 species and infraspecific taxa of mosses from Indonesia, Japan, and Surinam that have been considered new to science by F. Dozy, J.H. Molkenboer, R.B. van den Bosch, and C.M. van der Sande Lacoste. Listed are references to original publications; present name used in L; collecting data from the protologue and other relevant sources; nomenclatural status; label data, and comments. Also treated are other specimens of relevance to the interpretation of the new taxa.

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INTRODUCTION

The herbaria of F. Dozy, J.H. Molkenboer, R.B. van den Bosch, and C.M. van der Sande Lacoste are preserved in the Nationaal Herbarium Nederland (Leiden branch, formerly: Rijksherbarium). I have attempted to trace and evaluate the original material of the 313 species and 19 infraspecific taxa of Asian and South American mosses they considered new to science. Because their life, collections and research as well as the problems involved in the typification of their new taxa have been described by Touw (2006) just a brief review is presented here. The catalogue contains data relating to the original specimens of their new species and infraspecific taxa present in Leiden, together with data on additional material considered relevant to the interpretation of these taxa.

HISTORY

In 1840 Julianus Hendrik Molkenboer (1816–1854) obtained a temporary position at the Rijksherbarium, where he was to assist in the arrangement and identification of its collections of Indonesian vascular plants. He asked for and obtained permission to sort the unidentified Asian bryophytes and was allowed to borrow a little material of each species for study at home, in collaboration with François Dozy (1807–1856). This was a rare privilege, since the director of the institute (C.L. Blume) strongly objected to lending material for study at home and refused to admit other botanists.

In 1843 or 1844 he had to be dismissed because Blume did not succeed in getting funds for a continuation of his appointment. He continued his bryological research at home, but did not get access to the Rijksherbarium any more. When Van den Bosch and Van der Sande Lacoste undertook to complete Bryologia javanica (Dozy and Molkenboer, 1854–1870) after the death of its authors they had to fight a long and bitter battle in order to get access to Dozy and Molkenboer’s original specimens.

Dozy and Molkenboer’s first publications on Asian mosses (1844 and 1845–1848 [–1854]) were based on the Indonesian and Japanese collections of the Rijksherbarium, a small collection of Indonesian mosses, collected by H. van Gesker, and Japanese material donated by Ph.F. von Siebold. Muscorum frondosorum (Dozy and Molkenboer, 1844) was based on a first loan largely consisting of specimens collected by their friend Korthals. In 1844 they received a second loan with material from several other collectors. Specimens from both loans are cited in their second publication (Musci frondosi inediti, 1845–1848 [–1854]).

Subsequently, they identified and revised the Indonesian mosses collected by H. Zollinger (Dozy & Molkenboer, 1854a) and F.W. Junghuhn (Dozy & Molkenboer, 1851 and 1854b). Besides, they published a preliminary conspectus of the mosses of Surinam, including descriptions of new Venezuelan moss species (Dozy & Molkenboer, 1854c). Last but not least they prepared the first fascicles of their richly illustrated compilation of information on Indonesian mosses, Bryologia javanica (Dozy & Molkenboer, 1854–1870).
After the death of Molkenboer (1854) and Dozy (1856) their bryological heritage was left to Roelof Benjamin van den Bosch (1810–1862). He did his utmost to promote and effectuate the continuation of *Bryologia javanica* and found Cornelis Maria (‘Kees’) van der Sande Lacoste (1815–1887) willing to collaborate. After Van den Bosch had passed away, Van der Sande Lacoste completed *Bryologia javanica*, in close collaboration with draughtsman and engraver Arnoldus Jacobus Kouwels (1824–?). He also published two more papers on Indonesian mosses (Van der Sande Lacoste, 1872 and 1884) and a survey of the Japanese mosses preserved in the Netherlands (Van der Sande Lacoste 1866–1867).

**HDM SPECIMENS: THE FALSE HERBARIUM OF DOZY AND MOLKENBOER**

Molkenboer and Dozy were allowed to borrow not more than a duplicate set of a single collection or a few ones of each species recognized during Molkenboer’s preliminary sorting in the Rijksherbarium. All material had to be returned intact and provided with their observations, thus leaving them without any reference material. In order to comply with Blume’s instructions Molkenboer put all specimens and all information relating to a species on a sheet of foolscap sized paper. Henceforth, these sheets are referred to as HDM sheets.

On sheets relating to already known species he often wrote no more than collecting data. Data relating to material from the second loan (1844) were written in pencil. Of species considered new to science Molkenboer presented a diagnosis, description, notes, analytic drawings, and collecting data. The collecting data are an indispensable resource in the typification and interpretation of Dozy and Molkenboer’s new species in their first publication (*Muscorum frondosorum*, 1844), since the only collecting data given there are the names of islands where the species concerned had been found. However, the data on the sheets also are a source of error and confusion, because Molkenboer made no distinction between the specimens thoroughly studied at home and those preliminary identified during his sorting in the Rijksherbarium. Blume had these identifications copied on the labels of all material not borrowed, thus including collections not closely studied by Dozy and Molkenboer. Moreover, he did not keep track of corrections provided by Dozy and Molkenboer (Miquel, 1863).

Upon their return to the Rijksherbarium the sheets were kept in a separate folder until the specimens were remounted and incorporated into the general herbarium, roundabout 1910. Incorrect and misleading printed labels reading *Herbarium Dozy en Molkenboer* and/or *Herb. Lugd. Bat., Typen Bryologia javanica (Dozy en Molkenboer)* were probably added at this occasion. The ‘types’ are examples rather than nomenclatural types and they relate to species new to science as well as already known ones. The data presented on HDM sheets have been discussed by Touw (2006). In the catalogue distinction is made between simple HDM sheets comprising specimens and collecting data only, and HDM description sheets also containing analytic drawings, Latin diagnoses, descriptions, and notes, mostly written in Dutch. Most sheets
relating to the first loan are numbered ‘Musci No. …’. Sometimes these numbers are also found on labels of not borrowed duplicates, in which case they might be mistaken for collecting numbers. Other sheets belonging to the first loan and all of the additional one lack numbers.

As a rule, the provenance of individual specimens cannot be established if several collections are listed on a sheet, because Molkenboer presented all collecting data together in a single sentence. Quite often there are fewer specimens with HDM labels than there are collecting localities listed on a sheet. Missing specimens might have been lost, but this is unlikely since I never came across inexplicably missing specimens from other sources, such as the private herbaria of Dozy and Molkenboer or their successors. More likely, the identification of missing specimens was shown to be erroneous and has been revised subsequently, without keeping the original labels. Dozy and Molkenboer had no experience with Asian mosses when they started their research and themselves corrected a number of their identifications. After the death of Blume Van der Sande Lacoste had free access to collections of the Rijksherbarium. He corrected many misidentifications, but must have discarded original labels.

THE MALESIAN MOSS COLLECTIONS OF
THE AUTHORS OF
BRYOLOGIA JAVANICA

Roundabout 1850 Dozy and Molkenboer began to accumulate their own herbarium of Indonesian bryophytes. They glued their samples onto small sheets or put them in small packets, with collecting data written on by Molkenboer, but without marking their herbarium. After the death of Dozy (1856) this material was bequeathed to Van den Bosch, who in turn left it to Van der Sande Lacoste. His herbarium was bequeathed to the Rijksherbarium, where all specimens became provided with a small printed label reading ‘S.L.’ only. Fortunately, Van den Bosch has listed the constituent parts of Dozy and Molkenboer’s herbarium in a letter. Moreover, almost all specimens could be identified by their handwriting.

Dozy and Molkenboer were not allowed to distribute duplicates from Rijksherbarium collections, but from their own they prepared miniature duplicates for subscribers to Bryologia javanica. These mini sets were put in packets of stiff brown paper, measuring 6 by 3 cm, mostly stamped ‘Bryologia Javanica Herb. Dz. et Mb.’ on the reverse and labelled with the name of the species, often supplemented with the number of the plate in their book. These samples are tiny, but many are valuable because they constitute unmarked isotypes of their new species.
AUTHOR CITATION AND TYPIFICATION OF NEW SPECIES IN BRYOLOGIA JAVANICA ASCRIBED TO MITTEN

_Bryologia javanica_ contains diagnoses, descriptions and illustrations of twelve species named by William Mitten (1819–1906). The St. Louis Code (Greuter, 2000) requires that a name of a new taxon must be attributed to the author or authors to whom both the name and the validating description or diagnosis were ascribed (Art. 46.2), whereas the name of a new taxon must be attributed to the author or authors of the publication in which it appears when only the name but not the validating description or diagnosis was ascribed to a different author (Art. 46.4).

In determining the correct author citation, only internal evidence in the publication where the name was validly published is to be accepted, (Art. 46.6). In this case there is little more to go on, because manuscripts and correspondence between Mitten and the authors are missing. Mitten will have collaborated with full consent, because he exchanged important specimens with the Dutch bryologists and contributed by identifying material, e.g. for the treatment of _Macromitrium_. This contains descriptions of five new species recognized by Mitten, but based on specimens received from Leiden. From his own collections he donated original material of new species and he sent specimens on loan for the preparation of descriptions and illustrations (Kruijer, 2002). He may have considered _Bryologia javanica_ the most suitable place for the publication of his new species, but there are no indications suggesting that he provided validating diagnoses or descriptions. On the contrary, the uniformity of the diagnoses and descriptions suggests they were prepared by the authors of the work. This is also suggested by Dozy and Molkenboer’s explicit remark that their information on the sexual condition of _Diphyscium mucronifolium_ was provided by Mitten. That drawings Mitten provided of two _Macromitria_ were not copied in the book may have had other reasons, but it shows that the authors did not want to rely on outside information, except in the case of Lindberg, whose contributions were specifically mentioned in volume 2.

In most recent literature the Mitten names are treated as validated by the authors of _Bryologia javanica_, but _Diphyscium mucronifolium_, _Calymeres motleyi_, and _Syrrhopodon jungquilianus_ are ascribed to Mitten in some. These names were published in fascicles prepared by Dozy and Molkenboer, who wrote ‘mst’ or ‘mss’ after Mitten’s name. The remaining nine Mitten names are in fascicles prepared by Van den Bosch and Van der Sande Lacoste, who wrote Mitten ‘ined.’ or ‘in herb.’ I suppose that the difference was personal rather than conceptual, because I did not find any difference in composition between the texts relating to the species concerned. Therefore, all taxa with names provided by Mitten are credited here to the authors of the work and they are typified by specimens from their herbaria.
GUIDE TO THE CATALOGUE

The catalogue is divided into three chapters, comprising Malesian, Japanese and South American types respectively. Its general makeup was inspired by the index to Mitten’s new species (Thiers, 1992). All new names published are listed, including invalid and illegitimate ones, but excluding new combinations.

All specimens listed are preserved in L, unless otherwise stated. Collecting data were copied from the labels, but confusing errors have been corrected. Following Van Steenis-Kruseman (1950) I have written ‘Teijsmann’ instead of ‘Teysmann’. The sets of a single collection were almost invariably inconsistently labelled, but few variations are listed separately in the catalogue. Each specimen is identified by its accession number (e.g. 910,123-456) and barcode (e.g. L0088434). Not all specimens had got a barcode yet when the catalogue was prepared.

Many labels of HDM specimens are incomplete or contain incorrect collecting data (Touw, 2006). This has been remedied as much as possible in herbarium and catalogue, but insufficient information prevented improvement of the confusing labels of specimens Zippelius collected during his trip to East Malesia.

Corrections of labels, supplementary information on collectors and collecting localities, translations, and information on specimens missing in L are presented in square brackets ([ ]). In order to prevent confusion with collector’s numbers HDM numbers on labels of sets not studied by Dozy and Molkenboer are presented in parentheses (e.g. Korthals, ‘26’, 910,456-789). My comments, information on private herbaria, typification, specimens used by draughtsman Kouwels or by Fleischer (see below) are presented between brackets.

Publications abbreviated in the nomenclature section are cited in full in the list of general references. I have accepted the publication dates of the fascicles of Bryologia javanica cited by Stafleu & Cowan (1976, see Touw, 2006). Because type specimens are not inserted in L under basionym the name currently used is listed too, if different.

The HDM description sheets contain one or several samples and the information gathered by Dozy and Molkenboer, consisting of collecting data; Latin diagnosis; description; analytic drawings, and notes. Reported in the catalogue are: wanting parts of this format; the number of samples present; the subject of notes; and additional records from the second loan (listed in pencil on the sheets). These additional specimens are listed separately, with sets borrowed by Dozy and Molkenboer marked ‘HDM’. They include non-types of species published in 1844 as well as originals of species published in their more recent publications.

Published typifications are cited and eventually commented on. Incorrect or imprecise typifications have been superseded or noted as such. Specimens erroneously cited as holotypes in literature are mostly rated as lectotypes here, except when the assumed holotype does not belong to the original material. Some authors
have designated duplicates in other herbaria as lectotype without having examined the original material in L. Such lectotypifications have been maintained with reservation, because I have not examined the specimens concerned.

New lectotypes are proposed in clear-cut cases only. Because an effective publication requires distribution of printed matter they have been validated by Touw (2007). For a discussion of problems encountered in the typification of species Dozy and Molkenboer based on specimens borrowed from the Rijksherbarium see Touw (2006). If more records are listed on a HDM description sheet one cannot rule out that specimens they studied might have been lost. Therefore, HDM specimens have been listed as holotype only if a single record is listed on the sheet. In other instances a sample mounted on the sheet has been proposed as lectotype, even if there is only one sample present.

Special abbreviations

B (herb.) L.H. Buse
BJ Bryologia javanica (Dozy & Molkenboer, 1854–1870)
DM (herb.) Dozy and Molkenboer
F M. Fleischer
HDM label ‘Herb. Dozy en Molkenboer’ or ‘Typen Bryologia javanica’
K (herb.) P.W. Korthals
M J.H. Molkenboer
SL (herb.) C.M. van der Sande Lacoste.

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MALESIAN MOSSES

The Indonesian collecting localities cited are identified in the Appendix. Information on most collectors, collecting trips and collections has been published by Van Steenis-Kruseman (1950), reprinted with additions and slight changes on the website of the Nationaal Herbarium Nederland:

www.nationaalherbarium.nl/fmcollectors/

From the Rijksherbarium Dozy and Molkenboer received material collected by Blume and by explorers who were members of the Natural Science Commission in the Indies (E.A. Forsten, J.C. van Hasselt, P.W. Korthals, H. Kuhl, and A. Zip(p)elius). Their own herbarium largely consisted of specimens collected by H. van Gesker, J. Holle, F.A.W. Junghuhn, Ph.F. von Siebold, J.E. Teijsman, and H. Zollinger. Several of these collectors continued sending material to Van den Bosch and Van der Sande Lacoste, who also received large numbers from W.S. Kurz (= J. Amann). J. Holle (‘a certain Holle’ in Van Steenis-Kruseman) was a general practitioner living in Jakarta. He sent Dozy and Molkenboer a consignment of bryophytes collected in West Java, mostly near Depok. W. van Oorschot (missing in Van Steenis-Kruseman) was a naval officer and nephew of Van der Sande Lacoste, who made a small collection in Java and Borneo (near Pontianak).

Because Dozy and Molkenboer (1844) only cited the islands where specimens had been collected, I have supplemented this information with collecting data from the HDM sheets and their more recent publications. Data relating to ten species of Hypnum were copied from draft manuscripts intended for the unpublished 7th fascicle of Dozy and Molkenboer’s Musci frondosi inediti.

Three categories of original material are distinguished: specimens studied by the authors; preliminarily named specimens cited by Dozy and Molkenboer but not borrowed for study; and mini sets, mostly distributed by Dozy and Molkenboer. If more records are listed on an HDM description sheet than there are specimens on it the missing ones (if recognisable) are considered mislabelled or misidentified instead of lost. Dozy and Molkenboer often divided type material from their own herbarium into many mini sets. In such instances the set in their own herbarium is rated here as holotype. Some owners of mini sets copied all collecting data published in Bryologia javanica on the labels of their sets. Such sets have sometimes been mistaken for holotypes. Numbers on mini sets refer to the corresponding plate in Bryologia javanica. L.H. Buse limited the collecting data on labels of duplicates he received to collector and island.

Specimens with instructions to or annotations by draughtsman Kouwels are marked ‘used for illustration’.

Fleischer borrowed numerous specimens for his Flora of Buitenzorg (1904–1923). These could be traced by accession numbers starting with 898 or 98, signifying
the year of remounting on uniform sheets (1898). His interpretation of Dozy and Molkenboer’s new species should be reconsidered, because it was almost invariably based on specimens they did not study. He received fragments of Van der Sande Lacoste’s types if no duplicate was available. Most fragments were reunited with the source collection; others are still in separate packets.

**Aerobryum speciosum** Dozy & Molk. 1851: 279

Original material:
Java, [*Junghuhn*], 909,188-184 = L0624219; 909,188-186 = L0624222 (SL);
909,188-188 = L0624220 (SL ex DM); 910,144-2 = L0624221 (DM); 910,144-3 = L0624218 (ex DM); 910,144-16 = L0624217 (ex DM).

Note: Initially, all sets from DM had were labelled *Meteorium junghuhnii*.

**Astrodontium indicum** Dozy & Molk. (1844a: 1; 1844b: 299; 1846: 43). In L sub *Clastobryum indicum* (Dozy & Molk.) Dozy & Molk.

Original material:
Borneo, *Korthals*, 910,88-251 = L0060165; HDM description sheet 41 (holotype, with diagnosis of *Astrodontium*; notes in Dutch relating to the properties of the specimen and comparison to *A. canariense* (Brid.) Schwägr.; additional specimen listed: *Zippelius*).

Sets not studied by DM:
Borneo, [*Korthals*], 910,88-252 = L0060164; 910,88-241 = L0060166.

Non-type additional HDM specimens (consisting of *Clastobryum igorotum* Tix.):
Java, in terra nuda in summum montis Gédé, 2.1827, *Zippelius*, 910,88-244 = L0623348 (HDM); 898,130-13 = L0623347 (sample borrowed by F).

Notes: For discussions on the identity of *Astrodontium indicum* see Iwatsuki (Bull. Natn. Sci. Mus., Ser. B (Bot.) 3: 13–22. 1977), Tan & Iwatsuki (Hikobia 11: 147–152. 1992), and Touw (J. Hattori Bot. Lab. 100: 512. 2006). All sets in L of the type collection are mixed with stems of *Clastobryum igorotum* Tix.; these are most numerous in 910,88-252 and very scarce in the holotype.

**Barbula comosa** Dozy & Molk. (1844a: 1; 1844b: 299; 1846: 46). In L sub *Barbula arcuata* Griff.

Original material:
Amboina, in solo calcareo Amboinensis inter hepaticas, *Zippelius*, 909,190-2 = L0057158; HDM description sheet s.n. (holotype).
Sets not studied by DM:
  Amboina, [Zippelius], 909,340-164 = L0057157; 909,193-398 = L0057156 (identifications confirmed by Sollman).

**Barbula javanica** Dozy & Molk. (1844a: 2; 1844b: 300; 1846: 48)
Original material:
  Java, in terra nuda montis Gédé, mense Januarii, Zippelius, 910,131-2372 = L0057002; HDM description sheet s.n. (holotype; with comparison in Dutch to *Barbula indica*; specimen missing!).

**Barbula spathulata** Dozy & Molk. (1844a: 2; 1844b: 300; 1846: 49). In L sub *Hyophila involuta* (W.Hook.) A.Jaeger
Original material:
  Java, in horto Bogoriensi caespitose crescentem, Korthals, 910,114-1394 = L0623346 (HDM); 910,114-1169 = L0623345 (SL).

**Bartramia javanica** Dozy & Molk. (1854a: 30). In L sub *Plagiopus oederi* (Brid.) Limpr.
Collecting data in DM (1854a): Java, herbarium proprium Zollinger 1533.
Original material:
  Java, Zollinger s.n., 909,340-954 = L0624319 (holotype; SL ex DM; labelled by M; annotated by Vitt ‘very similar to *Plagiopus oederi*’).
Note: Without examination of the type reduced to synonymy of *P. oederi* (Brid.) Limpr. by Kabiersch (Hedwigia 77: 80. 1938).

**Bartramia mollis** Dozy & Molk. (1844a: 2; 1844b: 300). In L sub *Philonotis mollis* (Dozy & Molk.) Mitt.
Collecting data in DM (1844): Java.
Original material:

**Bartramia prabaktiana** Dozy & Molk. (1854a: 31); **Bartramia secunda** Dozy & Molk. var. *perwaktiana* Dozy & Molk. (1854b: 333). In L sub *Philonotis secunda* (Dozy & Molk.) Bosch & Lac. var. *perwaktiana* (Dozy & Molk.) Bosch & Sande Lac.
Collecting data in DM (1854a): Java, ad rupes M. Prabakti, Zollinger, herbarium proprium 1436.
Original material:
Java, ad rupes montis Prabakti, Zollinger 1436, 910,104-705 = L0624214 (holotype; SL ex DM, labelled by M; scanty material).

*Bartramia secunda* Dozy & Molk. (1854b: 332). In L sub *Philonotis secunda* (Dozy & Molk.) Bosch & Sande Lac.
Collecting data in DM (1854b): Java, Junghuhn.
Original material:
Java, 910,104-700 = L0624213 (lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; SL ex DM; analyzed by SL and used for illustration in BJ); 910,104-686 = L0624210; 910,104-698 = L 0624211 (SL); 910,104-756 = L 0624212 (B ex SL).
Mini set s.n., [Java, Junghuhn], 910,104-754 = L0624209.


*Brachymenium coarctatum* Bosch & Sande Lac. in Dozy & Molk. (1861: 140)
Collecting data in DM (1861): Java, prope Jogjakerta ad parietes calce collinitos, muros et rupes admixtum *Pottiae vernicosae*, m. Aprili fructificans, Junghuhn.
Original material (syntypes):
Java, Djocjo [= Yogyakarta], Aprili, Junghuhn; 909,340-978 = 898,129-12 = L0624208 (6 sets belonging to 2 collections, one labelled ‘in muris, rupibus’ and identified as a mixture of *Bryum exile*, *B. coarctatum*, and *Pottia vernicosa*; the other one, including a set borrowed by F, labelled ‘ad parietas calve collitos’ and identified as *Bryum exile β theca cylindrica*; writing unidentified, see note).
Syntype?:
Java, Djocjo, ad parietes calce collitos e.g. balnearii mei, 909,340-975 = L0624207 (initially labelled *Bryum exile var. theca subcylindrica*; writing unidentified, see note).
Note: Bosch & Sande Lac. (l.c.) cited as initial identification ‘*Bryum exile var. cylindrica* H pe in sched. Junghuhn’.

*Brachymenium leucostomum* Bosch & Sande Lac. in Dozy & Molk. (1861: 142).
In L sub *Pohlia flexuosa* Harv. in W. Hook.
Collecting data in DM (1861): Java; in saxis sylvarum montis Merapi, altit. 3–4000’, m. Aprili, admixtum *Weberae Hampeanae* legit Junghuhn.
Original material:
Catalogue

borrowed by F); 910.137-1086 = L0624205 (SL; initially labelled *Bryum brachydontium* Hampe).

Isotype?:

(No collecting data), 910.137-1085 = L0624204 (SL ex DM; labelled by Hampe ‘*Bryum (Brachymenium) leucostomum* n.sp. hb. Hpe’).

**Bryum conicum** Dozy & Molk. (1844a: 3; 1844b: 300; 1845: 19), hom. illeg., non Hornsch. (1840). Substituted by *B. decaisnei* Dozy & Molk. (1845)

**Bryum decaisnei** Dozy & Molk. (1845: 19); *B. conicum* Dozy et Molk. (1844), hom. illeg. In L sub *Bryum neelgherrense* Mont.


Original material:

Java, ad fissuras corticis arborum putrescentium in summum monte Gédé, *Zippelius*, 910.76-460 = L0623968; HDM description sheet s.n. (holotype; name altered from *B. conicum* to *B. decaisnei*; notes on distinction from *B. roseum*).

**Bryum elongatum** Dozy & Molk. (1845: 23), hom. illeg., non Hedw. (1801). Substituted by *Webera leptocarpa* Bosch & Sande Lac. in Dozy & Molk. (1861)

**Bryum exile** Dozy & Molk. (1844a: 3; 1844b: 300; 1845: 13). In L sub *Brachymenium e.* (Dozy & Molk.) Bosch & Sande Lac.


Original material:


Sets not studied by DM:


Sumatra (?), *Korthals*, ‘29a’, 909.340-916 = L0623966 (3 sets, one perhaps mislabelled ‘Mons Simpai); 909.340-912 = L0623967 (SL).

**Bryum gedeanum** Bosch & Sande Lac. in Dozy & Molk. (1861: 147); *B. pallescens* Dozy & Molk. (1845: 23), non Schwägr.


Original material (syntypes):

Java, Trogon, *Korthals*, 910.77-13 = L0624199; HDM sheet 29b (lectotype, designated by Ochi, J.Jap.Bot. 46: 121.1971; additional specimen listed: *Zippelius*, in regione vulcani montis Gédé ad arborum radices; annotated by Ochi ‘With reference to the original description this is certainly accepted as the type specimen for *B. gedeanum* Bosch et Lac.’); 910.77-10 (SL) = L0624198;
[Korthals], ‘29b’, 910.80-153 = L0624197 (packet labelled Bryum pallescens); 910.80-151 = L0624196.

[Not seen: in regione vulcani montis Gédé ad arborum radices, Zippelius].

Note: Syntypes and other specimens borrowed by H. Mohamed (Kuala Lumpur; loan 6036, 1980).

**Bryum indicum** Dozy & Molk. (1845: 22). In L sub Brachymenium indicum (Dozy & Molk.) Bosch & Sande Lac.

Collecting data in DM (1845): Java, Trogon et in agra Bogoriensi, Korthals; Amboina, in solo calcareo, intermixto Bryo coronato, Zippelius.

Original material (syntypes):

Java, Trogon, Bogor, Korthals, 909.340-1000 = L0623958; top of HDM sheet 29 (with coarse analytic drawings; name replacing initial identification Bryum imbricatum (Schwägr.) Bruch & Schimp.; notes on distinction from B. imbricatum).


Sets not studied by DM:

Amboina, Zippelius, 909.340-999 = L0623959 (SL); [Zippelius], 909.340-943 = L0623960 (annotated by Ochi: associated with Bryum coronatum Schwägr.).

**Bryum junghuhnianum** Hampe ex Bosch & Sande Lac. in Dozy & Molk. (1861: 146)


Original material:

Java, inter Entosthodontem Javanicum et in latere septentrionali montis Merbaboe altit. 7000’ m. Novembri cum fructu vetusto, admixtum Campylopodi sterilei, Junghuhn, 910.080-141 = 898.129-19 = L0624193 (several small packets, one borrowed by F; initially identified as B. pachytheca Müll.Hal., written by M).

Java, In latere sept. montis Merbaboe, altit. 7000’, Junghuhn, 910.89-142 = L0624194 (initially labelled Bryum pachytheca Müll. by M; Merbaboe, 910.080-143 = L0624195 (SL; labelled Bryum pachytheca Müll. by SL and Bryum junghuhnianum Hpe herb. by Hampe).

**Bryum leucophyllum** Dozy & Molk. (1844a: 3; 1844b: 301; 1845: 15)


Original material:

Java, Blume, 910.80-133 = L0624192; HDM description sheet s.n. (holotype).

Sets not studied by DM:

Java, Blume, 910.80-122 = L0624190; 910.80-132 = L0624191.

**Bryum leveilleanum** Dozy & Molk. (1845: 18). In L sub B. plumosum Dozy & Molk.
Collecting data in DM (1845): Java, cum praeecedente specie \( B. \textit{plumosum} \) promiscue collegit \textit{Korthals}.

Original material:
- [Not seen: Java, cum precedente specie promiscue collegit \textit{Korthals}].

Possibly original specimens, not studied by DM:
- Java, Pasir Kiamis, 910,80-176 = L 0623957 and 910,80-125 = L0623956 (almost certainly sets of a \textit{Korthals} specimen).

Note: Holotype and other specimens borrowed by H. Mohamed (Kuala Lumpur; loan 6036, 1980).

\textbf{Bryum plumosum} Dozy & Molk. (1844a: 3; 1844b: 301; 1845: 16); \textit{B. apiculatum} Dozy & Molk. (1845: 16), non Schwägr.


Original material:
- [Not seen: Java, in terra late caespitosum, \textit{Korthals}, 910,80-113 (type, fide Ochi, Hikobia 5: 8. 1967)].

Sets not studied by DM:
- Java, [\textit{Korthals}?, 910,80-114 = L0624186; 910,80-167 = L0623332.

Non-type additional HDM specimen:
- Java, \textit{Zippelius}, 910,80-104 = L0623344; HDM sheet s.n. (not cited by DM in 1845 and 1861).

Note: according to a draft inventory prepared by M the HDM sheets 74 and 92 both relate to \textit{B. plumosum}. They are among loan 6036 to H. Mohamed (Kuala Lumpur, 1980).

\textbf{Bryum plumosum} Dozy & Molk. var. \textit{elongatum} Dozy & Molk. (1861: 144)

Collecting data in DM (1861): [Java,] \textit{Junghuhn, Teysmann}.

Original material (syntypes):

[Not seen: Sumatra, \textit{Teijsmann}].

Original specimen?:
- Java, unknown collector, 910,80-148 = L 0624184 (large master set with printed label ‘Java’ only).

Specimen probably illustrated in DM (1845):
- Java, unknown collector, 910,80-138 = L0623343 (early L set, initially labelled \textit{B. plumosum} by a clerk, altered to \textit{B. plumosum} var. \textit{elongatum}).

\textbf{Bryum plumosum} Dozy & Molk. var. \textit{majus} Hampe ex Bosch & Sande Lac. in Dozy & Molk. (1861: 144)


Original material:
- Java, \textit{Teijsmann}, 910,80-189 = L0624183 (SL ex DM; ‘est n.sp. no. 2 herb. Dz. et Mb.’).
Java, unknown collector, 910,80-169 = L0624182 (labelled by Hampe: *Bryum pachypoma* \( \alpha \) *majus*, *folii* *latrierib*. *stramineis*, herb. Hpe); 910,80-199 = L0624181 (DM; initially identified ‘*Bryum sp*. 2’; with morphological notes by Dozy and reference to T. 117 in BJ).

*Bryum sandii* [= *sandeii*] Dozy & Molk. (1844a: 4; 1844b: 301; 1845: 21)

Original material (syntypes):
- [Not seen: Java, in m. Megamendong, *Kuhl* & *Van Hasselt*].

Set not studied by DM:

Note: Syntypes and other specimens borrowed by H. Mohamed (Kuala Lumpur; loan 6036, 1980).

*Calymperes aeruginosum* Hampe ex Sande Lac. (1872: 7)

Original material (syntypes):
- Celebes, 910,82-117 = L0060035 (SL).
- Philippines, Basilan, *Semper*, 910,82-118 = L0060034 (SL ex Hampe).

*Calymperes fasciculatum* Dozy & Molk. (1856: 50)
Collecting data in DM (1856): Java, legit *Teysmann*.

Original material:
- Java, *[Teijsmann]*, 910,82-157 = L0624177 (holotype; SL ex DM; master set and 1 mini set).
- Mini set s.n., [Java, *Teijsmann*], 910,82-162 = L0624176 (SL; annotated and confirmed by Bescherelle); 898,129-24 = L0624175 (borrowed by F); 910,82-161 = L0060040 (with collecting data copied from *BJ* and illustrations by Iwatsuki; annotated in herb. as holotype by Iwatsuki and Ellis).

*Calymperes fasciculatum* Dozy & Molk. var. *heterophyllum* Sande Lac. in Dozy & Molk. (1870: 223); *C. heterophyllum* Hampe non Mitt., nom. nud. In L sub *C. porrectum* Mitt.
Collecting data in DM (1870): Java, in m. Salak altit. 1200’, *Kurz*.

Original material (syntypes?):
- Java, ad arborum truncos putridos in declivitate sept. montis Goenoeng Salak altit. 1200’, *Amann* (= *Kurz*) 61, 910,88-30 = L0624172 (SL); *Kurz* s.n., 910,88-17 = L0624174 (SL).

Note: SL did not cite collecting numbers in *BJ*.
Catalogue

Original material:

[Not seen?: Java, Teijsmann].
Mini set s.n., [Java, Teijsmann], 909,307-354 = L0624171 (SL).

Calymperes loreum Sande Lac. (1872: 7). In L sub Syrrhopodon loreus (Sande Lac.) W.D.Reese
Original material:

Borneo, Labuan, Motley 4, 98,291-11 = L0624169 (holotype; SL ex Mitten; with annotations by SL and instructions to draughtsman Kouwels; labelled by Mitten ‘Syrrhopodon?’; borrowed by F).

Collecting data in DM (1856): Borneo, Laboean, prope Tanjong Koebong legit Motley, communicavit Mitten.
Original material:

Borneo, Labuan, Tanjong Kubong, ad trunc. arborum, Motley, comm. Mitten, 910,88-18 = L0060052 (DM ex Mitten; holotype; 1 sample labelled by Mitten and 6 mini sets labelled by Dozy).
Note: Menzel & Schultze-Motel (Willdenowia 19: 489. 1990) cited a set in NY-Mitten as holotype.

Calymperidium muelleri Dozy & Molk. (1856: 51). In L sub Syrrhopodon muelleri (Dozy & Molk.) Sande Lac.
Collecting data in DM (1856): Java, legit Holle.
Original material:

[Java, Holle], 910,126-1689 = L0624128 (SL ex DM; holotype).
Mini set s.n., [Java, Holle], 910,126-1704 = L 0624127 ( SL ex DM; plus 2 duplicates labelled by M); 910,126-1685 = L0060726 (B); 910,126-1715 = L0060725 (with collecting data copied from BJ and illustrations marked ‘holotype’ by Iwatsuki).

Campylodontium striatum Dozy & Molk. (1844a: 4; 1844b: 301; 1846: 123). In L sub Campylodontium flavescens (W.Hook.) Bosch & Sande Lac.
Original material:

Sumatra [= Java], in monte Simpai, Korthals, 910,110-1161 = L0624124; HDM description sheet s.n. (holotype).
Sets not studied by DM:

Note: The collecting locality was correctly cited as Java in 1844 and 1846, but not in BJ.
**Campylopus aureus** Bosch & Sande Lac. in Dozy & Molk. (1859: 80)

Original material (syntypes):
Java, Mandalawangie, in arborum truncis pulvinatum, vulgarissimum, Julio, 9200’, *Junghuhn*, 910,88-358 = L0060082 (SL; annotated in herb. as isosyntypus by Frahm, 1980); 910,88-360 = L0060080 (SL; annotated in herb. as isosyntypus by Frahm, 1980); 910,88-351 = L0060081 (SL); ‘Manellawangie’, 910,88-353 = L0624120 (Waitz).

Note: Frahm et al. (Acta Bot. Fennica 131: 70. 1985) cited material from ‘Mandala­wagie’, 9200’ in L as type. Subsequently, Frahm (Bryologist 94: 64. 1991) cited a *Junghuhn* set in L as lectotype without specifying one of the 2 sets he annotated. The remaining originals may not have been among the material he had borrowed from L.

**Campylopus laxitextus** Sande Lac. (1872: 10)

Original material:
[Not seen?: Java, in monte Pangerango, *Zippelius*]. See notes.
Possibly original material:
Java, in m. Megamendong, ad truncos arborum, dat is in het Urwald boven Alloun Alloun, *Zippelius*, 910,88-424 = L0624112 (labelled *Campylopus laxitextus* n.sp.).
Java, *[Junghuhn?]*, 910,88-426 = L0060107 (SL ex DM; annotated as holotype by Frahm; labelled ‘*Campylopus laxitextus* n.sp., inter *Thysanomitrium dozy­anum*’; used by SL for illustration); 910,88-425 = L0060105 (SL ex DM; with notes on morphology by SL); 910,88-427 = L0060106 (DM).
Notes: If Mt. Pangerango was erroneously cited as type locality, the *Zippelius* specimen from Mt. Megamendong might be the type. The other specimens SL labelled *Campylopus laxitextus* n.sp. are probably sets of the Junghuhn collection listed as *Dicranum blumii* by Dozy & Molkenboer (1854b). They cannot be sets of a Zippelius collection, because Dozy & Molkenboer were not allowed to distribute Rijksherbarium property.

**Campylopus nitidus** Dozy & Molk. (1848: 139). In L sub *Dicranodontium fleischeri ­anum* W.Schultze-Motel

Original material (syntypes):
Borneo, *Korthals*, 910,88-411 = L0056990; HDM sheet 31 (1 sample; initially
Catalogue

identified as *Dicranum flexuosum* Hedw. *β fragilis* Schwägr.; collecting data; additional specimen listed: Zippelius, Gédé, Sallak, Megamendong).


Sets not studied by DM:

Borneo, [Korthals], 910,88-410 = L0624108 (initially identified as *Dicranum flexuosum* Hedw. *β fragilis* Schwägr.); 910,95-147 = L0624111; 910,95-152 = L0624109; 910,95-153 = L0624110; 910,95-160 = L0624107.

Note: The specimen from Mt. Pangerango that Frahm (Ann. Bot. Fennici 34: 196. 1997) interpreted as a probable isotype is a Kurz collection made after the death of Dozy and Molkenboer.

**Campylopus serratus** Sande Lac. (1872: 11)

Collecting data in SL (1872): Banca, Teysmann; in sylvis prope Batoeroesak, Kurz.

Original material (syntypes):

Banca, auf Feld, im Walde W. v. Batoeroesak, 7.7.1858, Kurz, 910,88-482 = L0624103 (SL; with notes on morphology and affinities); 910,88-484 = L0624106; 910,88-485 = L0624104 (SL).

Banca, Kurz, 910,88-483 = L0624105 (SL; with notes on morphology; used for illustration in BJ).

Banca, an Stamm in Wälder bei Batoeroesak, 1.7.1858, Kurz, 910,88-486 = L0624102 (SL).

Banca, Teijsmann, 910,88-480 = L0624100 (SL); 898,129-28 = L0624101 (L, borrowed by F).

**Ceratodon javanicus** Dozy & Molk. (1854b: 337). In L sub *C. purpureus* (Hedw.) Brid. ssp. *stenocarpus* (Bruch & Schimp.) Dixon

Collecting data in DM (1854b): Java, in cacumine summo montis Sendoro in humidis et in regione cataractarum montis Merbabu ad truncos, mensibus Aprili et Majo, Junghuhn.

Original material (syntypes):

Java, in cacumine summo montis Sindoro, in humidis, mense Apilri, Junghuhn, 910,88-90 = L0060134 (annotated as type by Burley, in herb.); 910,88-93 = L0624095.


**Chaetomitrium acanthocarpum** Bosch & Sande Lac. in Dozy & Molk. (1863: 53)


Original material:

Ceram, De Vriese, 910,88-110 = B 0094492 (SL; holotype; with notes by Kouwels
and SL: ‘al wat er van is’ (= all there is); 910,88-109 = L0060138 (small duplicate deposited in L by SL; borrowed by F).

**Chaetomitrium ciliatum** Dozy & Molk. ex Bosch & Sande Lac. in Dozy & Molk. (1862: 46)


Original material (syntypes):

[Collecting data lacking], 910,88-62 = L0624093; 910,88-66 = L0624092 (both: SL, used for illustration in *BJ*).

**Chaetomitrium horridulum** Bosch & Sande Lac. in Dozy & Molk. (1862: 46)


Original material (syntypes):
- Java, [Teijsmann], 910,88-120 = L0624090 (SL; large sample; with morphological notes by SL and Hampe; used for illustration in *BJ*).

**Chaetomitrium lanceolatum** Bosch & Sande Lac. in Dozy & Molk. (1863: 49)


Original material:

**Chaetomitrium muricatum** Bosch & Sande Lac. in Dozy & Molk. (1863: 51). In L sub *C. leptopoma* (Schwägr.) Bosch & Sande Lac.


Original material:

**Chaetomitrium obscurum** Bosch & Sande Lac. in Dozy & Molk. (1863: 50). In L sub *C. ciliatum* Bosch & Sande Lac.

Collecting data in DM (1863): Java, in monte Wayang, altit. 7000’ ad ramulos mense Aprili, Junghuhn.

Original material:
- Java, Wayang, ad ramulos, 7000’, *Junghuhn*, 910,88-286 = 898,130-9 = L0060141...
Catalogue

(holotype; SL; with annotations by SL and fragment borrowed by F, who altered the identification to *C. ciliatum* Bosch & Sande Lac.

**Chaetomitrium papillifolium** Bosch & Sande Lac. in Dozy & Molk. (1863: 50)
Original material:

**Chaetomitrium torquescens** Bosch & Sande Lac. in Dozy & Molk. (1862: 47)
Collecting data in DM (1862): Ceram, ad ramulos arborum, *De Vriese*.
Original material:

**Chaetomitrium vrieseanum** Bosch & Sande Lac. in Dozy & Molk. (1863: 54)
Collecting data in DM (1863): Ceram, ubi in sylvis orae meridionalis legit beatus *De Vriese* (it. Ind. 1858–1860).
Original material:

**Cladomnion pallens** Sande Lac. (1872: 12). In L sub *Hampeella pallens* (Sande Lac.) M.Fleisch.
Original material (syntypes):
Java, Jati Kalangan, alt. 875’, *Junghuhn*, 98,291-37 ex p. = L0061366 (SL; isotype; borrowed by F and annotated by Hattaway; lectotype in FH, designated by Hattaway).
[Not seen: Java, *De Vriese*].
Possibly original material:

Note: The syntype collected by De Vriese could not be traced and may have been distributed inadvertently. However, the presence of the Korthals specimen identified as *Cladomnion pallens ined.* by SL before the species was published raises the speculation that he might have mentioned De Vriese’s name by mistake. Set L0621911 of the Korthals collection might contain the sporogone he analyzed, as Junghuhn’s plants lack fruit. In 1898 Fleischer borrowed the Junghuhn and Korthals samples contained in packet 98,291-37. He added annotations and prepared a small duplicate of each sample for his herbarium. They are kept together in a packet labelled ‘Originale von Junghuhn’, but also included is a
miniature packet he labelled ‘Korthals leg.’ Hattaway (1984) did not mention De Vriese’s syntype and appears to have overlooked its citation by SL. He examined all specimens discussed here and selected the Junghuhn duplicate in Fleischer’s herbarium as a lectotype. The specimen in SL’s herbarium would have been a better choice.


**Cladopodanthus pilifer** Dozy & Molk. (1846: 80). In L sub *C. speciosus* (Dozy & Molk.) M.Fleisch.
Collecting data in DM (1846): Java, ad arborum corticem in monte Gédé, *Zippelius*.
Original material:
[Not seen: Java, ad arborum corticem in monte Gédé, *Zippelius*].
Sets not studied by DM:

**Cladopodanthus pilifer** Dozy & Molk. var. *acuminatus* Dozy & Molk. ex M.Fleisch., *Musci Fl. Buitenzorg* 1: 156. 1904; unnamed var. in Dozy & Molk. (1854: 19). In L sub *Cladopodanthus speciosus* (Dozy & Molk.) M.Fleisch.
Original material (holotype):
Java, ad arbores in monte Gédé (in filicis rhizomate).
Note: Fleischer (1904) has mixed up things by typifying his variety by a specimen Dozy & Molkenboer (1854: 19) had assigned to an unnamed variety of *C. pilifer*. They did use ‘var. *acuminatum*** only for a Zippelius specimen assigned to *Syr­rhopodon speciosus* (see there).

**Codonoblepharum undulatum** Dozy & Molk. (1844a: 4; 1844b: 301; 1846: 96).
In L sub *Mitthyridium undulatum* (Dozy & Molk.) Robins.
Original material:
‘Java, Borneo et Sumatra (Padang Bessie)’, Korthals; HDM sheet 51, HLB 910.123-1236 = L0440676 (lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; 1 sample and 2 packets labelled ‘4 peristomia’ and ‘spor. apophysatii, calyptra’, but each containing 1 fruiting plant; examined by Nowak).
Sets not studied by DM (all labeled by a clerk ‘specimina originalia’):
Catalogue

Borneo, Korthals, HLB 910,123-1286 = L0440622 (SL).
Java, HLB 910,123-1159 = L0440671; HLB 910,123-1285 = L0440673 (SL).

**Cryptocarpon apiculatum** Dozy & Molk. (1844a: 5; 1844b: 302; 1846: 39). In L sub *Desmotheca apiculata* (Dozy & Molk.) Lindb. ex Cardot
Original material:
Borneo, Martapoera, *Korthals*, 910,88-265 = L0060173, HDM description sheet 63a (holotype; with unpublished name, microscope slide, and diagnosis of *Cryptocarpon*).
Sets not studied by DM:

**Cyathophorum parvifolium** Bosch & Sande Lac. in Dozy & Molk. (1861: 5)
Original material (syntypes):
Java, in monte Gedé, *Teijsmann*, 898,130-16 = 910,88-139 = L0624083 (SL; borrowed by F); 910,88-140 = L0624081 (B ex SL).
Isotypes?:
[no collecting data], 910,88-159 = L0471874 (SL; fragments labelled by Van den Bosch, using Mitten’s unpublished name); 910,88-136 = L0624080 and 910,88-144 = L0624079 (both from SL, labelled *Cyathophorum parvifolium* n.sp.).

**Cyathophorum tenerum** Bosch & Sande Lac. in Dozy & Molk. (1861: 6). In L sub *C. parvifolium* Bosch & Sande Lac.
Original material (syntypes):

**Daltonia angustifolia** Dozy & Molk. (1844a: 5; 1844b: 302; 1846: 31)
Original material:
Borneo, ad ramos arborum et in terra caespitose crescentem, *Korthals*, 910,88-173
= L0624203; HDM description sheet 55 (holotype; notes on differences between
D. angustifolia and D. splachnoides, and between Daltonia and Anomodon).
Sets not studied by DM:
Borneo, Korthals, 910,88-166 = L0056988; 910,88-165 = L0056987 (SL).

**Daltonia mucronata** Bosch & Sande Lac. in Dozy & Molk. (1862: 32). In L sub
*Fissidens zollingeri* Mont.
Collecting data in DM (1862): Java, Teysmann.
Original material?:
Java, 910,88-193 = L0624075 (holotype?; SL; mica slide with 2 miniature plants
and empty packet, previously containing stem leaves and perichaetium; notes
by SL ‘al wat er van is’ (= all there is) and ‘teekenen’ (= to be illustrated);
note by F ‘nur *Fissidens*’).
Note: The packet contains *Fissidens*, but since Van der Sande Lacoste and sharp-eyed Kouwels would hardly have mistaken *Fissidens* for *Daltonia* the type of
*D. mucronata* might be lost.

**Dicranum braunii** Müll.Hal. ex Bosch & Lac. in Dozy & Molk. (1858: 69). In L sub
*Dicranoloma braunii* (Müll.Hal. ex Bosch & Lac.) Par.
Collecting data in DM (1858): Java, ad arbores vetustas secus paludes montis Gédé
mense Februario fructificans, Zippelius; communicavit etiam vir. nob. Rochussen
et doct. Holle; Herb. Al. Braun; Sumatra, ad littus occidentale, Teysmann.
Original material (syntypes):
Sumatra, ad littus occidentale, *Teijsmann*, 909,186-165 = L0063549 (lectotype,
[Not seen: Java, comm. Holle. — Java, ad arbores vetustas secus paludes montis

**Dicranum brevisetum** Dozy & Molk. (1844a: 5; 1844b: 302), hom. illeg., non Brid.
(1819 [1818]). Substituted by *Megalostylium brevisetum* Dozy & Molk.

**Dicranum brevisetum** Dozy & Molk. var. *angustum* Sande Lac. in Dozy & Molk.
(1870: 225). In L sub *Dicranoloma brevisetum* (Dozy & Molk.) Par.
Collecting data in DM (1870): Java, *Zippelius*; in m. Pangerango altit. 7–9000’;
*De Vriese*.
Original material (syntypes):
Java, in m. Pangerango altit. 7–9000’, 1858–1860, *De Vriese*, 909,186-125 =
L0063587 (SL; lectotype, designated by Klazenga, J. Hattori Bot. Lab. 87:
79. 1999, accession number added here); 909,186-130 = L0063588.
[Not seen: Java, *Zippelius*].
Mislabelled syntype?:
Java, *Kühl & Van Hasselt*; in m. Pangerango, 909,186-186 = L0092702.

**Dicranum dives** Müll.Hal. ex Bosch & Sande Lac. in Dozy & Molk. (1858: 72)
Catalogue

Original material: [Java, herb. Al. Braun; not located by Klazenga, J. Hattori Bot. Lab. 87: 102. 1999]

**Dicranum involutum** Sande Lac. (1872: 9), hom. illeg., non Müll.Hal. (1853). In L sub *Braunfelsia edentula* (Mitt.) Wijk et Marg. Collecting data in SL (1872): Borneo, *Korthals*. Original material:

Borneo: in m. Sakoembang, *Korthals*, 909,186-113 = 98,291-5 = L0060004 (holotype; SL; used for illustration in BJ; with fragment borrowed by F).

**Dicranum leucophyllum** Hampe ex Sande Lac. (1872: 10). In L sub *Dicranoloma brevisetum* (Dozy & Molk.) Par. Collecting data in SL (1872): Java, Sumatra, *Teijsmann*. Original material (syntypes):


Note: *Teijsmann’s* Sumatran mosses are all from the West Coast district, but many specimens are labelled ‘Sumatra’ only.

**Dicranum molkenboerii** [= *molkenboeri*] Sande Lac. in Dozy & Molk. (1870: 225), nom. illeg. incl. spec. prior. (*Holomitrium dicranoides* Dozy & Molk., 1844)

**Dicranum plicatum** Sande Lac. (1872: 9). In L sub *Braunfelsia plicata* (Sande Lac.) Broth. Collecting data in SL (1872): Java, in monte Salak, *Binnendijk*. Original material:

Java, in m. Salak, *Binnendijk*, 909,340-878 = L0624074 (SL; holotype; used for illustration); 909,340-876 = 898,130-25 = L0624073 (small duplicate labelled by SL, borrowed by F).


Sets not studied by DM:

Non-type additional HDM specimen:
Java, in altioribus montis Gédé ad arborum trunços (rarius), Zippelius, 2. 1827, 910,126-1731 = L0623342 (HDM).

Note: Dicranum tortifolium Al. Braun (nom. nud.) was listed by Müller (Syn. Musc. Frond. 1: 437. 1848), but is missing from Index Muscorum and TROPICOS. Original material from the herbarium of Alexander Braun in L (sub Symblephas reinwardtii): Java, HLB 910,126-1744 = L0624072 (labelled Dicranum (Orthotheci Brid.?) tortifolium n.sp.).

**Didymodon cuspidatus** Dozy & Molk. (1854a: 31). In L sub Chionoloma bombayense (Müll.Hal.) P.Sollm.
Original material:

**Diphyscium mucronifolium** Mitt. ex Dozy & Molk. (1854: 35)
Collecting data in DM (1854): Laboan, Borneo; ad rupes humidas in rivulo Sungei Dinding, prope Tanjong Kubong legit Motley.
Original material:
Labuan, ad rupes arenosas humidas in rivulo Sungei Dinding prope Tanjong Kubong, Motley, 910,104-869 = L0472320 (SL ex DM, ex Mitten; holotype; labelled by Mitten).

**Diphyscium rupestre** Dozy & Molk. (1854b: 340). In L sub D. longifolium Griff.
Collecting data in DM (1854b): Java, in montis Parang rupibus humidis, Jungh.
Original material:
Java, in monte Parang ad rupes humidas, Junghuhn, 910,104-714 = L0060210 (holotype).
Mini set 25, [Java, Junghuhn], 910,104-765 = L0623331 (B); 910,104-676 = L0623330 (SL).

**Distichophyllum acuminatum** Bosch & Sande Lac. in Dozy & Molk. (1862: 26).
In L sub Leskeodon acuminatus (Bosch & Sande Lac.) M.Fleisch.
Collecting data in DM (1862): Java, in monte Gedé, Teysmann (comm. vir. nob. Rochussen).
Original material:
Java, Teijsmann, 910,104-639 = 898,130-27 = L0624071 (SL ex DM; holotype; used for illustration in BJ and borrowed by F; initially labelled D. cuspidatum by Dozy, altered to D. acuminatum by Van den Bosch); 910,104-653 = L0624070 (B ex SL).
Probable isotype:
Java, 910,104-638 = L0624069 (SL).
Catalogue

**Distichophyllum mittenii** Bosch & Lac. in Dozy & Molk. (1862: 25)

Original material (syntypes):
Java, *Holle*, 910,104-939 = L0624068 (SL ex DM; initially identified by M as *D. spathulatum*).
Java, comm. *Rochussen*, 910,104-978 = L0624066 (SL; 3 small packets, labelled by Van den Bosch, including one labelled ‘Herb. Mitten’; used for illustration in *BJ*).

**Distichophyllum nanum** Dozy & Molk. (1854a: 32). In L sub *D. jungermannioides* (Müll.Hal.) Bosch & Sande Lac.

Original material?:
Java, 910,104-656 = L0624065 (SL ex DM; 4 small packets, labelled by M and SL; one labelled ‘Java, inter Hepaticas, hb. v.d. Bosch’; another one used for illustration in *BJ*).
Ad *Hymenophyll.*, *Zollinger*, 910,104-654 = L0624064 (without name, found in cover with *D. nanum*).

**Distichophyllum nigricaule** Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1862: 20)
Collecting data in DM (1862): Java, in monte Pangerango altit. 7–10,000’, *Motley* (Herb. Mitten), *Teysmann* sine loco natali.

Original material (syntypes):

**Distichophyllum tortile** Dozy & Molk. ex Bosch & Sande Lac. (1862: 27)

Original material (syntypes):
No collecting data, 910,104-821 = L0624061 (SL ex DM; labelled by Van den Bosch ‘Hookeria tortilis n.sp. Dz. & Mb.’ and ‘*D. cuspidatum, non Dz. & Mb.*’).
Java, in m. Gedé et Salak, inter *Hypnum zollingeri*, *Teijsmann*, 910,104-823 = L0624062 (SL).
Banca, ad frondes *Cephalomanes zollingeri*, *Amann [= Kurz]*, 910,104-813 = L0624060 (SL, with unpublished name by Van den Bosch and drawings not used in *BJ*).

**Distichophyllum undulatum** Dozy & Molk. ex Bosch & Sande Lac. in Dozy & Molk. (1862: 28)
Collecting data in DM (1862): Java, sine loco speciali ad ramulos arborum, Junghuhn.  
Original material:  
Java, ad ramulos arborum, Junghuhn, 910,104-839 = L0624059 (SL ex DM; holotype); 898,130-31 = L0624058 (set borrowed by F).

**Endotrichum densum** Dozy & Molk. (1844a: 6; 1844b: 303; 1845: 3). In L sub *Garovaglia plicata* (Brid.) Bosch & Sande Lac. var. *plicata*.
Collecting data in DM (1844): Java, Sumatra. DM (1845): Java, ad arborum trun- 
cos in altioribus locis montis Gédé, Zippelius, Korthals; Sumatra: ad arborum trun- 
cos, Korthals.
Original material (syntype):  
Java et Sumatra, Korthals, 909,187-102 = L0623949; HDM description sheet 71 (1 specimen; lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; pre-
viously cited as holotype by During, Bryophyt. Biblioth. 12: 105. 1977; with 
diagnosis of *Endotrichum* and notes; additional specimen listed: Zippelius).

Sets not studied by DM:  
Java, [Korthals], 909,187-127= L0623947.  
Sumatra, [Korthals], 71, 909,187-70 = L0623948.
Non-type additional HDM specimen:  
Java, ad trunicos vetustos in altioribus mont. Gede, Zippelius (HDM; identified by 
During as *Garovaglia angustifolia* Mitt. f. *bogorensis* (M.Fleisch.) During).

**Endotrichum elegans** Dozy & Molk. (1844a: 7; 1844b: 303; 1845: 4). In L sub *Garovaglia elegans* (Dozy & Molk.) Hampe ex Bosch & Sande Lac. in Dozy & Molk. f. *elegans*
Collecting data in DM (1844): Sumatra. DM (1845): Sumatra, ad arborum trun-
cos, Korthals; Java, ad arborum trunicos in altioribus locis montis Gédé, Zippelius, 
Korthals.
Original material:  
Sumatra, Korthals, 909,187-65 = L0624056; HDM description sheet 72 (holo-
type; additional specimen listed: Zippelius).

Sets not studied by DM:  
Non-type additional HDM specimen:  
Java, ad arbores vetustos in altioribus montis Gédé, [Zippelius], 898,132-13 = 
909,187-62 = L0623341 (HDM, borrowed by F).

**Entosthodon buseanus** Dozy & Molk. (1854: 31). In L sub *Funaria buseana* (Dozy 
& Molk.) A.Jaeger
Collecting data in DM (1854): Java; legit et communicavit Teysmann.
Original material:  
[Java, comm. Teijsmann], 910,110-1015 = L0624053 (lectotype, designated by 
Touw, Trop. Bryol. 28: 83. 2007; 2 duplicate packets labelled by M plus 1 
mini set).
Mini set 22, [Java, comm. Teijsmann], 938,93-361 = L0624052; 910,110-1023
Catalogue

= L0624050 (B); 910,110-1013 = L0624051 (with collecting data copied from BJ).

**Entosthodon buseanus** Dozy & Molk. var. **robustior** Dozy & Molk. (1854: 31);
Collecting data in DM (1854): Java; legit et communicavit Teysmann.
Original material:
[Java, *Teijsmann*], 910,110-1008 = L0624049 (SL ex DM; holotype; master set and 3 packets with duplicates; draft description by M of ‘Entosthodon sp. n. 2 var. β robustior’); Java, *Teijsmann*, 910,110-991 = L0624047 (SL, large duplicate).
Mini set 22, [Java, *Teijsmann*], 910,110-994 = L0624048 (B); 910,110-995 = L0624046 (with collecting data copied from BJ).

Original material:

**Entosthodon mittenii** Dozy & Molk. (1854: 32). In L sub Funaria mittenii (Dozy & Molk.) Broth.
Collecting data in DM (1854): Java; sine loci specialis adnotatione legit et communicavit Teysmann.
Original material:
Java, [*Teijsmann*], 910,110-927 = L0624041 (SL ex DM; lectotype, designated by Touw, Trop. Bryol. 28: 83. 2007; master set and 2 duplicates, labelled by M); 910,110-949 = L0624040 (SL; 2 duplicates labelled by M and 2 mini sets No. 23 labelled by Dozy).
Mini set 23, [Java, *Teijsmann*], 910,110-930 = L0624037 (B); 938,93-359 = L0624038 (L); 910,110-979 = L0624039 (with collecting data copied from BJ).

**Fabronia curvirostris** Dozy & Molk. (1844a: 7; 1844b: 304; 1846: 54)
Original material:
Java, in monte Tjikoerai, *Korthals*, 910,110-1208 = L0624036; HDM description sheet 23 (holotype; notes on differences with *F. australis* W.Hook. and *F. polycarpa* W.Hook.; additional specimen listed: *Zippelius*).
Sets not studied by DM:
Non-type additional HDM specimen:
Java, ad basin arborum in corticis rimis in monte Gédé, Februario, Zippelius, 910,110-1214 = L0623340 (HDM).

Fissidens asperisetus Sande Lac. (1872: 2). In L sub F. holleanus (‘hollianus’) var. asperisetus (Sande Lac.) M.Fleisch.
Original material:
Celebes, De Vriese, 910,110-1192 = L0060243 (holotype; SL).

Fissidens ceylonensis Dozy & Molk. (1844a: 7; 1844b: 304; 1854: 4)
Original material (isotypes?, see note):
Ceylon [=Sri Lanka], leg. König, 910,114-864 = L0041421 (herb. Van Royen; labelled by SL; analytic drawings by Iwatsuki); 910,114-1202 = L0041420 (herb. Van Royen; labelled by a clerk; with older Van Royen label ‘Musae, Zeylon — König’).
Note: The König specimens seen are not labelled by DM and since no HDM sheet was found they might be isotypes they did not study.

Fissidens crassinervis Sande Lac. (1872: 3)
Collecting data in SL (1872): Java, in provincia Buitenzorg [= Bogor] ad ripas argillaceas fluminis Tjidanie, in monte Salak, Kurz; Banca prope Muntok et Batoe-roesak in argilla, Kurz; Borneo prope Pontianak, Van Oorschot.
Original material (syntypes):
Banca, in argillose prope Batoeroesak, 17.1.1858, Kurz, 910,114-1206 = L0060235 (SL); 910,114-904 = L0624031 (SL); 910,114-901 = L0624030.
Borneo, prope Pontianak, Van Oorschot, 910,114-903 = L0060233 (SL; identified as Fissidens (Semilimbidium) sp. by Iwatsuki, in herb.).

Fissidens cryptotheca Dozy & Molk. (1854b: 314). In L sub F. anomalus Mont.
Collecting data in DM (1854b): Java, Jungh., Teysmann.
Original material (syntypes):
Catalogue

Java, *Teijsmann*, 910,110-1200 = L0624025 (SL ex DM; labelled by M); 910,110-1194 = L0624024 (B; labelled by SL).

Java, *Junghuhn*, 910,110-1181 = L0624027 (Junghuhn; labelled by M); 910,110-1203 = L0624026 (SL; labelled by M).

Mini set 6, [Java], 910,110-1180 = L0624023 (with collecting data copied from *BJ*); 910,110-1195 = L0624022; 910,110-1483 = L0624021.

**Fissidens filicinus** Dozy & Molk. (1844a: 7; 1844b: 304; 1854: 8). In L sub *F. nobilis* Griff.


Original material:
[Not seen, Java, in summo monte Gedokan, *Kuhl & Van Hasselt* (HDM description sheet)].

Sets not studied by DM:
Java, in summo monte Gedokan, *Kuhl & Van Hasselt*, 910,114-1118 = L0624019 (SL);

Note: The Kuhl & Van Hasselt collection is the only one available to DM in or before 1844.

**Fissidens geminiflorus** Dozy & Molk. (1854b: 316)

Collecting data in DM (1854b): Java, unde nobiscum communicavit amicissimus *Teysmann*; ibidem, loco natali haud adnotato, *Jungh*.

Original material (syntypes):

Java, *Junghuhn*, 910,114-961 = L0624018 (SL ex DM; labelled by Molkenboer);
898,130-37 = L0624016 (set borrowed by F).

Mini set 9, [Java], 910,114-959= L0624017 (2 packets, 1 from B); 938,93-369 = L0624015.

**Fissidens hollianus** [= *holleanus*] Dozy & Molk. (1854: 4)

Collecting data in DM (1854): Java, ubi collegit et nobiscum communicavit doctissimus *Holle*.

Original material:


Note: The initial orthography ‘hollianus’ was corrected in *BJ* 2: 221.1870.

**Fissidens javanicus** Dozy & Molk. (1854: 11)


Original material?:
[Java, *Teijsmann*], 910,114-1124 = L0624011 (holotype?; SL; labelled by M
Note: Fleischer’s interpretation of *F. javanicus* was based on a Kurz specimen collected after the death of Dozy and Molkenboer.
Catalogue


Java, Barbulae inflexae Duby admixtum ad rivulum prope Bantar Pété, Zollinger 1537 (missing in L).

Non-type specimen:
Java, Zollinger 3750, 910,114-922 = L0755692, ex parte (SL).

Note: Iwatsuki & Suzuki (J. Hattori Bot. Lab. 43: 400. 1977) cited 910,114-922 = L0755692 from Java (910,114-922) as lectotype. This packet was labelled ‘Zippelius 3750’ on the outside, but holds 2 miniature packets containing sets of the Zippelius syntype and Zollinger 3750, a specimen collected during his second voyage to Indonesia (1855–1859), after F. zippelianus had already been published.

Garovaglia aristata Bosch & Sande Lac. in Dozy & Molk. (1864: 80)
Collecting data in DM (1864): Bima in monticulis ad arbores, Zollinger coll. no. 1180Z.
Original material:
Sumbawa (Bima), ad arbores in monticuli, rara, Zollinger 1180Z, 909,187-126 = L0623969 (holotype; SL ex DM).

Garovaglia moluccensis Bosch & Sande Lac. in Dozy & Molk. (1864: 82). In L sub G. elegans (Dozy & Molk.) Hampe ex Bosch & Sande Lac. in Dozy & Molk. f. elegans
Original material:
Ceram, 1858–1860, De Vriese, 909,187-69 = L0623946 (holotype; SL).

Grimmia comosa Dozy & Molk. (1844a: 8; 1844b: 304). In L sub Garckea phascoides (W.Hook.) Müll.Hal.
Original material:
Sumatra, in terra argillosa, Korthals, 910,120-20= L0623945; HDM description sheet 69 (holotype; notes, on similarity to Dicranum phascoides W.Hook.).

Set not studied by DM:
Sumatra, Korthals, 910,120-29 = L0623944.

Holomitrium dicranoides Dozy & Molk. (1844a: 8; 1844b: 304; 1845: 9); Dicranum molkenboeri Sande Lac. in Dozy & Molk. (1870), nom. illeg. incl. spec. prior.
In L sub Braunfelsia dicranoides (Dozy & Molk.) Broth.
Original material:
Java, ad pedem arborum vetustiorum in montibus Gédé et Salak, mense febrero 1827, Zippelius, 909,340-867 = L0623942; HDM description sheet s.n. (holotype; a single branched stem; Zippelius label mentioning both Gedeh and Salak; 2 unpublished names on the sheet and more recent label reading Dicranum molkenboeri Lac. and Holomitrium dicranoides Dz et Mb.).

Sets not studied by DM:

*Holomitrium enerve* Dozy & Molk. (1844a: 8; 1844b: 304; 1845: 8). In L sub *Braunfelsia enervis* (Dozy & Molk.) Par.
Original material:
Java, in m. Gédé, locis paludosis, *Zippelius*, 909,340-901 = L0623935; HDM description sheet s.n. (holotype; initially assigned to *Dicnemon*).
Sets not studied by DM:

*Holomitrium javanicum* Dozy & Molk. ex Bosch & Sande Lac. in Dozy & Molk. (1859: 86)
Original material:
Java, *Teijsmann*, 910,123-976 = L0060311 (B ex SL); [Teijsmann], 910,123-1108 = L068483 (labelled by M); [Teijsmann], 910,123-1118 = L0109936 (SL ex DM, labelled by SL); [Java, *Teijsmann*], 910,123-1109 = L0109935 (permanent slide of male plant, labelled by M); [Teijsmann], 910,122-1131 = L068478 (probably labelled bij vdB).
Note: A large sample in herb. SL labelled ‘*Pottia javanica* C.Müll., Java, in m. Gede et Salak, Teysm.’ belongs here. Fleischer (1904) found a set of the same in B and observed that the illustration of *Pottia javanica* in BJ (t. 52) almost entirely relates to *Holomitrium javanicum*.

*Homalia arcuata* Bosch & Sande Lac. in Dozy & Molk. (1863: 56). In L sub *Taxiphyllum arcuatum* (Bosch & Sande Lac.) S.He
Original material (syntypes):
[Not seen: Halmahera, *De Vriese*; lectotype, designated by He, J. Hattori Bot. Lab. 81: 37.1997])

*Homalia exigua* Bosch & Sande Lac. in Dozy & Molk. (1863: 55). In L sub *Homaliodendron exiguum* (Bosch & Sande Lac.) M.Fleisch.
Original material (syntypes):
Catalogue

Java, in m. Gedé et Salak, Teijsmann, 910,122-1185 = L0060322 (SL).
Java, in m. Pangerango, Kuhl & Van Hasselt, 910,123-964 = L0060317.
Java, in m. Pangerango, Tjikoerai, Korthals, 910,122-995 = L0060318.
Sumatra, Padang-Bessie, Korthals, 910,123-974 = L0060320.
Sumatra, Teijsmann, 910,123-1105 = L0056999 (SL); 910,122-1130 = L0060325 (B ex SL).
Sumatra, in reg. superioribus ad arbores, Wiltens, 910,122-1239 = L0060323 (SL).
Borneo, Korthals, 910,123-1047 = L0057000.

Homalia pusilla Bosch & Sande Lac. in Dozy & Molk. (1863: 56). In L sub Neckera besseri (Lob.) Jur.
Original material:
[Not seen: Ceram, De Vriese].

Hookeria cuspidata Dozy & Molk. (1844a: 8; 1844b: 305; 1846: 101). In L sub Distichophyllum cuspidatum (Dozy & Molk.) Dozy & Molk.
Original material:
Sets not studied by DM:
Non-type additional HDM specimens:
Java, Zippelius, 910,104-673 = L0623338 (HDM); 910,104-675 = L0623339 (SL).

Hookeria elongata Dozy & Molk. (1844a: 9; 1844b: 305; 1846: 119). In L sub Chaetomitrium elongatum (Dozy & Molk.) Dozy & Molk.
Original material:
Borneo [err. pro Buru], Zippelius, 910,88-115 = L0060143; HDM description sheet s.n. (holotype; collecting locality ‘Borneo’ corrected by M to ‘Boeroe’).

Hookeria macropus Dozy & Molk. (1862: 41), nom. nud. in synon. of Lepidopilum macropus Bosch & Sande Lac. In L sub Hookeriopsis macropus (Bosch & Sande Lac.) Broth.
Hookeria orthorrhyncha Dozy & Molk. (1844a: 9; 1844b: 305; 1846: 114). In L sub Chaetomitrium orthorrhynchum (Dozy & Molk.) Bosch & Sande Lac.

Original material:
Sumatra, [Korthals], 910,88-222 = L0060149; HDM description sheet 37 (holotype; comparison to C. leptopoma; additional specimens listed: Zippelius, Blume).

Sets not studied by DM:

Non-type additional HDM specimens:
Java, in ramo Anona subcordatae ad pedem montis Pulu Sarie, Bantam, [Blume], 910,88-290 = L0623306 (HDM).


Hookeria spathulata Dozy & Molk. (1844a: 9; 1844b: 305; 1846: 103). In L sub Distichophyllum spathulatum (Dozy & Molk.) Dozy & Molk.

Original material:
Sumatra, Singalang, Korthals, 910,104-672 = L0623922; HDM description sheet 28 (holotype; comparison to H. cristata (Hedw.) W. Hook. & Grev. and H. quadrifaria Sm.; additional specimens listed: Zippelius and Kuhl & Van Hasselt).

Sets not studied by DM:
Sumatra, Korthals, 910,104-815 = L0623920; 910,104-645 = L0623919 (SL); 910,104-631 = L0623921.

Non-type additional HDM specimens:
Java, foot of the Sallak, Zippelius, 910,104-817 = L0623303 (HDM).
Java, in monte Sallak prope Rapandungan [= Papandayan], Kuhl & Van Hasselt, 910,104-925 = L0623304 (HDM).

Hymenodon angustifolius Sande Lac. (1872: 8)

Original material:

Hypnum anceps Bosch & Sande Lac. in Dozy & Molk. (1867: 161). In L sub Stereophyllum anceps (Bosch & Sande Lac.) Broth.

Original material:
Java, Junghuhn, 910,120-72 = L0623915 (B ex SL).
Catalogue


**Hypnum asperifolium** Dozy & Molk. (1867: 175), nom. nud. in synon. of *H. boschii* Dozy & Molk. In L sub *Trichosteleum boschii* (Dozy & Molk.) A.Jaeger Original material:
- Banca, unknown collector, 910,132-1003= L0623263 (SL).
- No collecting data, 910,132-1075 = L0623265 (SL ex DM).

**Hypnum bancanum** Sande Lac. in Dozy & Molk. (1868: 188). In L sub *Isopterygium bancanum* (Sande Lac.) A.Jaeger Collecting data in DM (1868): Banca, in sylvis prope Batoe-rosak, *Kurz*. Original material:

**Hypnum bogoricum** Bosch & Sande Lac. in Dozy & Molk. (1870: 217). In L sub *Clastobryophilum bogoricum* (Bosch & Sande Lac.) M.Fleisch. Collecting data in DM (1870): Java, in m. Salak altit. 5500’, *Kurz*. Original material:

**Hypnum boschii** Dozy & Molk. (1844a: 9; 1844b: 306). In L sub *Trichosteleum boschii* (Dozy & Molk.) A.Jaeger Collecting data in DM (1844): Borneo. DM (Musci frondosi fasc. 7, ined.): Borneo, *Korthals*. Original material:
- Borneo, *Korthals*, 910,132-723 = L0623909; HDM description sheet s.n. (holotype; with dedication).
- Sets not studied by DM:
  - Borneo, *Korthals*, 910,132-993 = L0623911; 910,132-1002 = L0623910; SL.
**Hypnum braunii** Müll.Hal. var. *oxyporon* Sande Lac. in Dozy & Molk. (1869: 212). In L sub *Acroporium lamprophyllum* Mitt.


Original material (syntypes):


Java, in m. Wayang, Junghuhn; 910,122-1078 = L0623907 (SL ex DM); 910,122-1120 = L0623908 (SL ex DM).

Java, ad arbores vetustas montis Salak, altit. 5000’ and 5500’, Kurz 139 and 169; 910,122-1019 = L0057108 (SL, identified as *Acroporium rufum* by Tan); Kurz 169, 910,121-108 = L0623906 (SL).

[Not seen: Java, Korthals].

Syntypes?:

Java, 910,122-1098 = L0623312 (SL ex DM, labelled *Hypnum oxyporon* Dz. et Mb. by M, but identified as *A. lamprophyllum* by Tan).

Java, 910,122-1106 = L0623328 (DM); 942,147-132 = L0623329 (DM).

**Hypnum bruchii** Dozy & Molk. (1844a: 10; 1844b). In L sub *Rhaphidostichum bruchii* (Dozy & Molk.) M.Fleisch.


Original material:


Sets not studied by DM:


**Hypnum capillipes** Sande Lac. in Dozy & Molk. (1868: 188). In L sub *Taxithelium capillipes* (Sande Lac.) Broth.

Collecting data in DM (1868): Java, ad pedem m. Salak m. August. 1825, c. fruct., legit *Blume*; Sumatra, *Korthals*.

Original material, in part:

Sumatra, *Korthals*, 910,132-1031 = L0060763 (SL); 910,132-1030 = L0060762.

Note: see also next item.

**Hypnum capillipes** Sande Lac. in Dozy & Molk. (1868: 188). In L sub *Taxithelium sumatranum* (Bosch & Sande Lac.) Broth. var. *javanicum* M.Fleisch.
Catalogue

Collecting data in DM (1868): Java, ad pedem m. Salak m. August. 1825, c. fruct., legit Blume; Sumatra, Korthals.

Original material, in part:
Java, ad pedem m. Salak, m. August. 1825, Blume, 910,132-1039 = L0121581 (annotated by F: Glossadelphus (Taxithelium) sumatranum n. var. javanica M.Fleisch.; holotype of Taxithelium sumatranum (Bosch & Sande Lac.) Broth. n. var. javanicum M.Fleisch.

Note: see also previous item.

Hypnum caudatum

Sande Lac. in Dozy & Molk. (1870: 219). In L sub Clastobryum caudatum (Sande Lac.) M.Fleisch.

Collecting data in DM (1870): Java, Junghuhn; in m. Salak altit. 6500’, Kurz.

Original material (syntypes):

Hypnum celebicum

Sande Lac. in Dozy & Molk. (1867: 159). In L sub Rhynchostegium celebicum (Sande Lac.) A.Jaeger


Original material (syntypes):


Note: Ignatov et al. did not realise that syntypes are involved and erroneously rated De Vriese’s collection as isotype.

Hypnum contractum

Sande Lac. (1872: 12). In L sub Sematophyllum tristiculum (Mitt.) M.Fleisch.

Collecting data in SL (1872): Java in monte Megamendong prope Toegoe, Kurz.

Original material:

Hypnum convolutum

Sande Lac. in Dozy & Molk. (1869: 215). In L sub Acroporium convolutum (Sande Lac.) M.Fleisch.


Original material (syntypes):

**Hypnum crispulum** Dozy & Molk. (1865: 125), nom. nud. in synon. of *Pseudo­leskea* crispula Bosch & Sande Lac. in Dozy & Molk. In L sub *Claopodium assurgens* (Sull. & Lesq.) Cardot.

**Hypnum cuculligerum** Sande Lac. in Dozy & Molk (1870: 218). In L sub *Clastobryum cuculligerum* (Sande Lac.) Tixier
Collecting data in DM (1870): Java, Teysmann.
Original material:

**Hypnum cymbifolium** Dozy & Molk. (1844a: 10). In L sub *Thuidium cymbifolium* (Dozy & Molk.) Dozy & Molk.
Collecting data in DM (1844): Sumatra, Java. DM (1865, specimens available to DM in 1844): Java, Blume, Zippelius, Korthals; Salak ad pedem, Blume. Sumatra occidentalis, Korthals; ad flumen Padang-Bessie, Korthals.
Original material:
Sets not studied by DM:
Sumatra, Korthals, 910,131-2564 = L0057267 (B ex SL).
Java, Korthals, 910,123-1133 = L0057266; 942,233-15 = L0057269.
Non-type additional HDM specimens:
Java, ad pedem montis Sallak, Blume, 910,131-2577 = L0623299; 910,131-2578 = L0623300.
Japan, Von Siebold, 910,132-552 = L0329521 (labelled by M, HDM label lacking).
Note: Touw & Falter-Van den Haak (J. Hattori Bot. Lab. 67: 30.1989) erroneously lectotypified *Hypnum cymbifolium* by specimen 910,131-2564, a set not studied by DM.

**Hypnum decrescens** Sande Lac. in Dozy & Molk. (1867: 168). In L sub *Ectropotheciella decrescens* (Sande Lac.) M.Fleisch.
Original material:
Celebes, unknown collector, 910,126-1568 = L0623888 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 83. 2007; with notes by SL; illustrated in BJ); in cortice arborum, 910,126-1595 = L0623887.
**Hypnum distichophyllum** Hampe ex Dozy & Molk. (1867: 167). In L sub *Ectropotheciella distichophylla* (Hampe) M.Fleisch.


Original material (syntypes):
- Celebes, 910,132-717 = L0623885 (SL); 910,132-718 = L0623883 (B ex SL); 996,291-262 = L0623884 (in cortice arborum).

**Hypnum falciforme** Dozy & Molk. (1844a: 10). In L sub *Ectropothecium falciforme* (Dozy et Molk.) A.Jaeger


Original material (syntypes):
- Java (Patoeha), Sumatra, Borneo, *Korthals*, 910,109-300 ex p.= L0623882; HDM description sheet 11 (lectotype, designated by Touw, Trop. Bryol. 28: 84. 2007; fruiting specimen; with note on similarity to *H. intorquatum*).

Sets not studied by DM:

Original material?:

Non-type additional HDM specimens:


Notes: The *Korthals* specimen from Sumatra and the additional specimens collected by Blume and Von Siebold were not found, are not cited in *BJ*, and may have been misidentified. The fruiting specimen on HDM sheet 11 may be from Borneo since it looks identical to the Bornean isotypes and all sets of the collection from Java are male.

**Hypnum forstenii** Bosch & Sande Lac. in Dozy & Molk. (1867: 153). In L sub *Ctenidium malacobolum* (Müll.Hal.) Broth.

Collecting data in DM (1867): Celebes, *Forsten*.

Original material:
- Celebes, *Forsten*, 910,126-1584 = L0060170 (SL; lectotype, designated by Touw,

Original material?:
Celebes, Forsten, 910,131-2332 = L0623874 (fragment labelled by Brotherus).

**Hypnum glossoides** Bosch & Sande Lac. in Dozy & Molk. (1866: 146). In L sub Glossadelphus glossoides (Bosch & Sande Lac.) M.Fleisch.

Collecting data in DM (1866): Java, Teysmann.

Original material:
Java, Teijsmann, 98,291-50 = L0060276 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 84. 2007; used for illustration in BJ; set borrowed by F and Higuchi, who added analytic drawings); 910,126-1676 = L0060277 (small duplicate from herb. SL).

**Hypnum gracilicaule** Sande Lac. in Dozy & Molk. (1869: 214). In L sub Acro­porium diminutum (Brid.) M.Fleisch.

Collecting data in DM (1869): Java, Zippelius; in m. Salak altit. 5–7000’, Kurz; in m. Merbaboe orientali in regione catarrhactarum, Junghuhn.

Original material (syntypes):
Java, ad trucos in m. Salak altit. 5–7000’, Kurz 132, 17.7.1860, 910,126-1658 = L0623872 (SL; lectotype, designated by Tan, Willdenowia 24: 255–294. 1994); 910,126-1659 = L0623871 (Kurz s.n.).
Java, in m. Gedé, Zippelius, 910,126-1788 = L0623864 (with Zippelius label); 910,126-1660 = L0623870.
Java, ad trucos in m. Merbaboe in regione cararrhactarum m. Majo, Junghuhn, 910,126-1661 = L0623865 (SL); 910,126-1774 = L0623863.
Java, Junghuhn, 910,126-1773 = L0623868 (with observations by SL); 910,126-1775 = L0623869 (SL).
Java, 910,126-1679 = L0623866 (B ex SL).
No collecting data, 910,126-1789 = L0623867 (SL; used for illustration in BJ).

**Hypnum hamatum** Dozy & Molk. (1844a: 11). In L sub Radulin a borbonica (Bél.) W.R.Buck

Collecting data in DM (1844): Borneo, Sumatra. DM (Musci frondosi fasc. 7, ined.):
Borneo, Korthals; Sumatra, in arborum truncis ad flumen Batang-Bessie, Korthals.
[A Teijsmann collection from Java cited in this manuscript was collected after 1844].

Original material:

Sets not studied by DM:
Catalogue

Sumatra, Korthals, ‘66’, 910,137-1042 = L0488075 (with note by M ‘Sumatra. seta scabra’, probably written during the preliminary sorting of the Korthals collection; labelled as isotype by O’Shea).

Sumatra, Korthals, ‘36’, 910,137-1049 = L0488058 (2 duplicate packets, with note by M ‘de vruchtsteel geheel ruw’ [= seta entirely scabrous]).

Sumatra, Korthals, 910,132-725 = L0623862 (SL).


Hypnum intorquatum Dozy et Molk. (1844a: 11; 1844b: 307). In L sub Ectropothecium intorquatum (Dozy et Molk.) A.Jaeger

Collecting data in DM (1844): Java, Sumatra.

Original material (syntypes):

Sumatra et Java, Limbangan, Patoeha, Papandajang, Korthals, 910,109-372 = L0623856; HDM description sheet 14 (two samples?; additional specimens listed: Van Gesker and Zippelius; notes on distinction from Hypnum cupressiforme Hedw. and H. circinale W.Hook.; annotated by Nishimura ‘these plants seem to be extracted from 910,110-320, -306’).

Sets not studied by DM:

Java, Limbangan, [Korthals], 910,109-283 = L0623853.


Java, in m. Patoeha, [Korthals], 999,307-306 = L0623850 (used for illustration in BJ); 910,110-307 = L0623849; 942,147-19 = L0623851.


Non-type additional HDM specimens:

Java, de Vriese [leg. Van Gesker], 910,110-319 = L0623294 (DM).

Java?, [Zippelius], una cum Hookeria orthorrhyncha ad arborum truncos et interdum ad terram in montosis, Februario et Januario, 910,110-312 = L0623293 (HDM, 2 species, according to annotation by Ando).

Hypnum isocladum Bosch & Sande Lac. in Dozy & Molk. (1867: 173). In L sub Taxithelium isocladum (Bosch & Sande Lac.) Renauld & Cardot


Original material:

Banca, an Bäumen u. Sträuchern im Wald bei Batoeroesak, 14.7.1858, Kurz, 910,123-1251 = L0060766 (SL; used for illustration in BJ); 910,123-1227 = L0060767 (SL; used for illustration in BJ); 898,133-3 = L0060765 (borrowed by F).

Collecting data in DM (1868):
Java, in m. Oengarang [= Ungaran] in fonte submersum, Junghuhn.

Original material:
No data, 910,110-449 = L0623845 (SL ex DM; labelled by M).

_Hypnum korthalsii_ Dozy & Molk. (1844a: 11). In L sub _Trismegistia lancifolia_ (Harv.) Broth. var. _korthalsii_ (Dozy & Molk.) M.Fleisch.
Collecting data in DM (1844): Java, Sumatra, Borneo.

Original material (syntypes):
Sumatra, Padang Bessie; Java [= Borneo], G. Sakoembang. _Korthals_, 910,104-738 = L0109833; HDM sheet 3 (annotated as lectotype by Tan); with dedication and notes on morphology; additional specimen listed: _Blume_; name ‘_Hypnum korthalsii_ Dz. & Mb.’ with addition ‘ex parte’ and erased note ‘specimen supra adglutinatum est _H. lancifolium_ Müll. a qua specie _H. korthalsii_ (= _H. trismegistum_ Mtge) differt foliorum acumine semaltorto elongato et apice ramorum cuspidato’; reference to _Hypnum trismegistum_ Mont., with note ‘hic species Julio 1844 jam editam, Montagne Decembre 1844 sub titulo _H. trismegisto_ descriptis in London Journ. of Bot. p. 633’.

Sets not studied by DM (both annotated _Hypnum lancifolium_ C. Müll. by SL):

Non-type additional HDM specimen:
Java, in monte Sallak, _Blume_, 910,104-741 (HDM), annotated as syntype by Tan, as _Hypnum lancifolium_ C. Müll. by SL (?), and as _Trismegistia calderensis_ (Sull.) Broth. by Akiyama).

_Hypnum kuripanum_ Dozy & Molk. (1854a: 32). In L sub _Pelekium gratum_ (P. Beauv.) Touw
Collecting data in DM (1854a): Java, ad rupe calcareas Kuripan, _Zoll. Nro. 1510_; ad arbores montis Semeroe altit. 4000’, _Zoll. Nro. 2309._

Original material:

Note: See Touw (J. Hattori Bot. Lab. 91: 112. 2001) for a discussion on the identity of other sets and other specimens listed by Zollinger. Zollinger 1810 is the only specimen present in L and the only one cited in _BJ_ (sub _Thuidium meyenianum_).

_Hypnum kurzii_ Sande Lac. in Dozy & Molk. (1868: 183), hom. illeg., non (Schimp.) Hartm. (1854); _Ectropothecium kurzii_ A.Jaeger. In L sub _Vesicularia kurzii_ (A.Jaeger) Broth.

Collecting data in DM (1868): Banca; prope Muntok, ad arbores m. Sept. 1857 legit _S. Kurz_.

Original material:
Banca, ad arbores prope Muntok, 9.1857, leg. _Amann_ [= _Kurz_], 910,110-404 =
**Hypnum leptocarpon** Bosch & Sande Lac. in Dozy & Molk. (1868: 178), hom. illeg., non Schwägr. (1827). In L sub *Rhaphidostichum leptocarpum* M.Fleisch. (Musci Buitenzorg: 1308. 1923)


Original material (syntypes):
- Java, Buitenzorg [= Bogor], 910,114-1460 = L0623574 (SL ex Miquel; used for illustration in *BJ*).

Note: Fleischer (l.c.) discussed the taxonomic and nomenclatural confusion between *Hypnum leptocarpon* Schwägr., *H. cylindricum* Reinw. & Hornsch., and *Rhaphidostichum leptocarpum* M.Fleisch. He put the blame on the authors of *BJ*, overlooking that Müller (Syn. musc. frond. 2: 317. 1851) had already misidentified Miquel’s specimen as *Hypnum leptocarpon* Schwägr.

**Hypnum leveilleanum** Dozy & Molk. (1867: 165). In L sub *Microctenidium leveilleanum* (Dozy & Molk.) M.Fleisch.


Original material:

**Hypnum lindbergii** Sande Lac. in Dozy & Molk. (1867: 172), hom. illeg., non Mitt. (1864). In L sub *Taxithelium vernieri* (Duby) Besch.


Original material (syntypes):
- Java, in latere septentr. m. Salak, altit. 1200’, *Kurz*, 910,132-1618 = L0474262 (SL).
- Java, in m. Gedé et Salak ad truncos arborum putridos, *Teijsmann*, 910,137-1011 = L0474263 (SL); 910,132-1649 = L0533421 (SL).
- Ceram, ad ramulos arborum, *De Vriese*, 910,132-1620 = L0474264 (SL).


**Hypnum longicaule** Sande Lac. in Dozy & Molk. (1869: 209). In L sub *Acroporium longicaule* (Sande Lac.) M.Fleisch.
Collecting data in DM (1869): Java, in m. Salak altit. 5–7000’, Kurz.

Original material:
Java, van de boomtakken afhanging; zeer gemeen op de Salak van 5–7000’, 18.7.1860, Kurz 120, 910,122-1049 = L0623840 (2 sets, one from SL).
Java ex arborum ramis pendulum in m. Salak altit. 5–7000’, Kurz s.n., 910,122-1062 = L0057097 (SL?; used for illustration in BJ); 910,122-1094 = L0057098.

**Hypnum luxurians** Dozy & Molk. (1844a: 12; 1844b: 307). In L sub *Rhaphidostichum luxurians* (Dozy & Molk.) M.Fleisch.
Collecting data in DM (1844): Java. Sumatra. DM (Musci frondosi fasc. 7, ined.):

Original material:

Sets not studied by DM:
Sumatra, Padang Bessie, *Korthals*, 910,122-1025 = L0623838; 910,122-1128 = L0623836 (SL); 98,291-51 = L0623839 (ex SL; borrowed by F).

**Hypnum menadense** Sande Lac. in Dozy & Molk. (1867: 156). In L sub *Rhynchostegiella menadensis* (Sande Lac.) E.B.Bartram

Original material:
Celebes, in prov. Menado, 1858–1860, *De Vriese*, 910,120-5 = L0088432 (SL; holotype); 910,120-7 = L0623835 (B ex SL).

**Hypnum microcladon** Dozy & Molk. (1844a: 12; 1844b: 308). In L sub *Sematothallium microcladiellum* M.Fleisch.
Collecting data in DM (1844): Borneo. DM (Musci frondosi fasc. 7, ined.): Borneo, collegit *Korthals*.

Original material:
Borneo, *Korthals*, 910,132-1074 = L0623834; HDM description sheet 76 (holotype; comparison to *H. crassiusculum* Brid.).

Sets not studied by DM:

**Hypnum miquelii** Sande Lac. in Dozy & Molk. (1868: 187). In L sub *Vesicularia miquelii* (Sande Lac.) M.Fleisch.

Original material (syntypes):
Catalogue

Banca, ad arbores inter Klappa et Prang, 5.8.1858, leg. Kurz 64, 910,132-989 = L0094481 (SL; 2 labels written by Kurz; used for illustration in BJ); 910,132-973 = L0623831.
Sumatra, Korthals, 910,132-974= L0623830 (SL).

Collecting data in DM (1869): Java, Korthals; in m. Salak, Zollinger coll. sub no. 1816; in sylvis obscuris m. Pangerango altit. 5000’, Junghuhn. Sumatra, Korthals.

Original material (syntypes):
Java, in sylvis umbrosis m. Pangerango, altit. 5000’, Junghuhn; 910,121-181 = L0057116 (SL; lectotype, designated by Tan, Willdenowia 24: 283. 1994; used for illustration in BJ); 910,121-177 = L0057119 (SL).
Java, ad arbores m. Salak, Zollinger 1816; 910,121-167 = L0057117 (SL ex DM?).
Sumatra, Korthals, 910,121-172 = L0057118.
[Not seen: Java, Korthals].

Collecting data in DM (1867): Java, De Vriese (c. fructu); in m. Gedé et Salak, Teysmann. Sumatra, prov. Padang in regione superiore, Andrée Wiltens.

Original material (syntypes):
Java, 1858–60, De Vriese, 910,120-40 = L0623822 (SL; used for illustration in BJ).
Java, in m. Gedé et Salak, Teijsmann, 910,120-26 = L0623824 (SL; with dedication to Müller and note on diagnostic characters); 910,120-6 = L0623825; 910,120-66 = L0623828 (SL); 910,120-59 = L0623826 (SL; initially identified as *Hypnum aquaticum* Hampe); 942,233-53 = L0623827.
Syntype?:
Java, 910,120-4 = L0623821 (B ex SL).

Collecting data in DM (1844): Java.

Original material:
Java, monte Gédé, lectam dedit Prof. de Vriese [leg. Van Gesker], 910,75-351 = L0623819; HDM description sheet s.n. (holotype; with microscope slide; syn. H. melanocarpum Müll.Hal.; comparison to H. pachypoma Schwägr., H. polyrrhizion Brid., and H. laxifolium Schwägr.); Gedeh, tussen den top en Tjiburrum [between the summit and Tjiburrum], 910,75-352 = L0623818 (SL ex De Vriese).
**Hypnum pellucidum** Dozy & Molk. (1844a: 12; 1844b: 308). In L sub *Rhynchosstegium javanicum* (Bél.) Besch.
Collecting data in DM (1844): Java, Sumatra.
Original material:
Sets not studied by DM:

**Hypnum plumulosum** Dozy & Molk. (1844a: 13; 1844b: 308). In L sub *Thuidium plumulosum* (Dozy & Molk.) Dozy & Molk.
Collecting data in DM (1844): Sumatra, Borneo.
Original material:
Sumatra (Padang Bessie), Borneo (Karrau), *Korthals*, 910,131-2496 = L0060784; HDM description sheet 59 (2 samples; lectotype, designated by Touw, Trop. Bryol. 28: 85. 2007: sample glued on to the sheet; notes on diagnostic characters; additional specimen listed: *Zippelius*).
Sets not studied by DM:
Non-type additional HDM specimens:
Nova Guinea, *Zippelius*, 910,131-2478 = L0623291 (HDM); 910,131-2364 = L0623292 (SL; fragments from analysis).
Note: Other duplicates of the above collections consist of *T. cymbifolium* (Dozy & Molk.) Dozy & Molk., *T. pristocalyx* (Müll.Hal.) A.Jaeger, or *Pelekium velatum* Mitt., or are mixed with one of these species.

**Hypnum polychaetum** Bosch & Sande Lac. in Dozy & Molk. (1867: 154). In L sub *Ctenidium polychaetum* (Bosch & Sande Lac.) Broth.
Original material (syntypes):
Catalogue

**Hypnum prostratum** Dozy & Molk. (1844a: 13; 1844b: 309). In L sub **Glossadelphus prostratus** (Dozy & Molk.) M.Fleisch.

Collecting data in DM (1844): Java.

Original material:
Java, in montanis, lapidibus adpressum, mense Februario, *Zippelius*, 910,132-1657 = L0060278; HDM description sheet s.n. (holotype; examined by M. Higuchi, who added more analytic drawings).

Sets not studied by DM:


Original material:
Java, monte Gédé lectum misit et communicavit Prof. De Vriese [leg. Van Gesker], 909,188-99 = L0623860; HDM description sheet s.n. (lectotype, designated by Touw, Trop. Bryol. 28: 84. 2007); 909,188-79 = L0399639 (DM); 909,188-80 = L0623861 (DM).

**Hypnum reticulatum** Dozy & Molk. (1844a: 13; 1844b: 309). In L sub **Vesicularia reticulata** (Dozy & Molk.) Broth.


Original material:

Set not studied by DM:
Java, in m. Megamendong, *Kuhl & Van Hasselt*, 910,110-418 = L0623808 (SL; annotated by F ‘Bl. sehr lang zugespitzt! Mit original identisch!’).

Non-type additional HDM specimen? (not cited on the description sheet):

**Hypnum rigidum** Reinw. & Hornsch. var. *braunianum* Bosch. & Sande Lac. in Dozy & Molk. (1866: 140). In L sub **Mastopoma brauniana** (Bosch. & Sande Lac.) H.Akiyama


Original material (syntypes):
Java, [unknown collector], 909,188-49 (SL; annotated as lectotype by Akiyama, in herb.).
Java, ad arbores M. Salak, c. 4000’, Zollinger 1738, 909,188-51 (SL; erroneously cited as No. 1733 in BJ; not seen by Akiyama).
[Not seen: Java, herb. Al. Braun]. Misidentified syntype:
Java sub acumine m. Gedokan, Kuhl & Van Hasselt, 898,133-9 (= Trismegistia calderensis (Sull.) Broth., fide Akiyama, l.c.; borrowed by F).

_Hypnum rigidum_ Reinw. & Hornsch. var. _convolutum_ Bosch & Sande Lac. in Dozy & Molk. (1866: 140). In L sub _Trismegista rigida_ var. _convoluta_ (Bosch & Sande Lac.) M.Fleisch.
Collecting data in DM (1866): Java, Junghuhn.
Original material:
Java, Junghuhn, 909,188-56 (SL; used for illustration in BJ); 909,188-55.

_Hypnum scabrellum_ Sande Lac. in Dozy & Molk. (1869: 214). In L sub _Acropo­rium diminutum_ (Brid.) M.Fleisch.
Original material (syntypes):
Sumatra, _Korthals_: 910,122-1244 = L0057096 (SL; designated as lectotype by Tan, Willdenowia 24: 265. 1994).
Original material (syntypes):
Borneo, in m. Sakoembang, _Korthals_, 910,122.1221 = L0623805; 910,122.1186 = L0623806 (SL).

_Hypnum similans_ Bosch & Sande Lac. in Dozy & Molk. (1866: 147). In L sub _Glossadelphus similans_ (Bosch & Sande Lac.) M.Fleisch.
Original material (syntypes):
Java, in m. Pangerango, in arborum ramulis, _Kuhl_ & _Van Hasselt_, 910,131-2393 = L0060281 (SL; used for illustration in BJ; with analytic drawings by Higuchi); 910,131-2391 = L0060282.
Catalogue

[Not seen?: Java, De Vriese].

Syntype?:
(Moluccas,) Saparoea, De Vriese, 910,131-2398 = L0060283 (SL, illustrated in BJ). SL may have overlooked ‘Saparoea’ which is hidden from view under a fold in the label and have misinterpreted this as a specimen from Java.

_Hypnum sparsipilum_ Bosch et Sande Lac. in Dozy & Molk. (1869: 201). In L sub _Ectropothecium sparsipilum_ (Bosch & Sande Lac.) A.Jaeger
Collecting data in DM (1869): Javae; ad truncos arborum in m. Pangerango altit. 5000’ legit Kurz.

Original material:


Original material (initially identified as _Hypnum spirale_ Zipp., altered by DM to ‘Macromitrium pellucidum var. β’):
Amboina, belokar, Zippelius, 910,143-25 = L0623718; 910,141-263 = L0623716.

_Hypnum strepsiphyllum_ Mont. var. _densum_ Sande Lac. in Dozy & Molk. (1869: 210). In L sub _Acroporium strepsiphyllum_ (Mont.) B.C.Tan
Collecting data in DM (1869): Java, _Holle, De Vriese, Van Gesker_; in m. Patoeha, _Korthals_. Sumatra, in m. Simpai, _Korthals_.

Original material (syntypes):
Java, in m. Patoeha, _Korthals_, 910,122-1229 = L0623800 (SL); 910,122-977 = L0057111.


[Not seen: Java, _Holle_. This might be Holle’s specimen 910,122-1219 = L0623305 (SL ex DM), initially identified as _Leskea secunda_ Reinw. & Hornsch. by M and anonymously revised to _Acroporium sigmatodontium_ (Müll.Hal.) M.Fleisch.]

_Hypnum sumatranum_ Bosch & Sande Lac. in Dozy & Molk. (1866: 149). In L sub _Taxithelium sumatranum_ (Bosch & Sande Lac.) Broth.
Collecting data in DM (1866): Sumatra, ubi _Teysmann_ specimina paucha imperfecta collegit.

Original material:
Sumatra, _Teijsmann_, 98,291-52 = 910,131-2408 = L0060772 (holotype; SL; borrowed by F).
Hypnum teysmannii Sande Lac. in Dozy & Molk. (1868: 192). In L sub Taxiphyllum taxaramaeum (Mitt.) M.Fleisch.
Collecting data in DM (1868): Sumatra, Teysmann.
Original material:
Sumatra, Teijsmann, 910,132-982 (SL); 910,132-712 (B ex SL); ad littus occidentale, Teijsmann, 910,132-990; ad littus occidentale in pede arborum, sterile, Teijsmann, 910,132-983 = L0060760.
No collecting data, 910,132-713 (SL; a few plants, probably used for illustration in BJ).

Hypnum tjiwideanum Dozy & Molk (1865: 117), nom. nud. in synon. of Thuidium glaucinum (Mitt.) Bosch & Sande Lac. In L sub T. pristocalyx (Müll.Hal.) A.Jaeger var. pristocalyx
Original material:
Java, mons Tjiwidei summus, Junghuhn, 910,131-2523 = L0623799.

Hypnum trichocladon Dozy & Molk. (1867: 155). In L sub Isothecium trichocladon (Dozy & Molk.) M.Fleisch.
Original material (syntypes):
Java, Depok, Holle, 910,110-1362 = L0623795 (SL, labelled by M).
Sets not studied by DM:
Java, in m. Papandayang, Kuhl & Van Hasselt, 910,110-1281 = L0623793.
Java, Korthals, 910,110-1264 = L0623791.
Possible syntypes not labelled by DM (see note):
Java, Junghuhn, 910,110-1267 = L0623798 (Waitz); 910,110-1268 = L0623790.
Java, 910,110-1282 = L0623797 (SL); 910,110-1361 = L0623796 (B ex SL).
Note: Hypnum trichocladon was published after Dozy and Molkenboer had passed away. It is not clear whether they contributed more than the name, since descriptive matter originating from the authors is lacking. Junghuhn specimens lacking their identification are listed as possible syntypes here, because DM sorted and partly identified his collections. The lectotype is the only fruiting specimen.

Hypnum turgidum Dozy & Molk. (1844a: 13; 1844b: 309), hom. illeg., non (Hartm.) Hartm. (1843): Acroporium turgidum Mitt. In L sub A. stramineum (Reinw. & Hornsch.) M.Fleisch. var. turgidum (Mitt.) B.C.Tan
Collecting data in DM (1844): Borneo, Sumatra, Java.
Original material (syntypes):
Catalogue

Borneo et Sumatra: Sederatoe (later added: Java), leg. *Korthals*, 910,122-1139 = L0057120; HDM description sheet 40 (2 samples; designated as lectotype by Tan, Willdenowia 24: 286. 1994, see note; notes on similarity to *H. hyalinum*; additional specimen listed: *Forsten*).

Sets not studied by DM:

Non-type additional HDM specimens:
Celebes, in ore m. ignivomi Batoe Angoes, *Forsten*, 910,122-983 = L0623288 (HDM); 910,122-1233 = L0623289 (SL).

Note: Tan (in herb., 1992) designated a specimen from Sederatoe as lectotype, but a more precise lectotypification is needed because the two specimens on the HDM sheet are different and are not labelled separately. The sets from Sederatoe not borrowed by DM are similar to the set with large plants on the HDM sheet.

Collecting data in DM (1844): Java.
Original material:

Sets not studied by DM:
Java, *Blume*, 910,123-962 = L0399632; 910,123-963 = L0623783 (SL, labelled *Hypnum dozyanum* Müll.); *[Blume]*, 910,123-1023 = L0623784 (SL ex DM; stem fragment; only instance where material borrowed from L was found retained by DM).

No data, 910,123-1022 = L0623785 (SL; labelled ‘unicum; *Hypnum verrucosum* Dz. & Mb. (*H. dozyanum* Müll.’); used for illustration in *BJ*; this might be the master set of Blume’s collection, since his is the only 19th century one in L and the only one listed in *BJ*).

*Hypnum vriesei* Dozy & Molk. (1844a: 14; 1844b: 309). In L sub *Rhynchostegiella vriesei* (Dozy & Molk.) Broth.
Collecting data in DM (1844): Borneo. DM (Musci frondosi fasc. 7, ined.): Borneo, in cacumine montis Sakoembang ad arbores legit *Korthals*.

Original material:
Borneo, ad cacumen montis Sakoembang, *Korthals*, 910,121-166 = L0002368; HDM description sheet 94 (holotype; with dedication to W.H. De Vriese; comparison to *H. scabrisetum* Schwägr.).

Sets not studied by DM:
Borneo, in cacumine montis Sakoembang, *Korthals*, 910,121-175 = L0060660 (SL); 898,113-14 = L0060661 (borrowed by F).
Hypnum zippelii Dozy & Molk. (1844a: 14; 1844b: 310). In L sub Pseudoleskeopsis zippelii (Dozy & Molk.) Broth.


Original material:
- Amboina, Zippelius, 910,110-1447 = L0623782; HDM description sheet s.n. (holotype; name altered in pencil to Pseudoleskeopsis z.; with dedication to Zippelius and additional drawings by Iwatsuki).

Specimen not studied by DM:
- Amboina, Zippelius, 910,110-1427 = L0623781.

Note: No. 33912-31 cited by Iwatsuki (J. Hattori Bot. Lab. 40: 142.1976) was a temporary loan number that has been erased since.

Hypopterygium aristatum Bosch & Sande Lac. in Dozy & Molk. (1861: 12). In L sub H. flavolimbatum Müll.Hal.


Original material (syntypes):
- Java, inter specimina H. struthiopteridis hb. Dz. et Mb., 910,132-621 = L0171252 (SL; lectotype, designated by Kruijer, Blumea Suppl. 13: 170. 2002; with notes ‘al wat wij bezitten’ [= all we possess], probably written by Van den Bosch, and ‘niets verloren gegaan’ [= nothing was lost], written by draughtsman Kouwels, not by SL, as was assumed before by Kruijer, l.c.).
- [Not seen: Java, in m. Pangerango regio superiore altit. 7–10000’, Motley (NY-Mitten)].

Hypopterygium chamaedrys Bosch & Sande Lac. in Dozy & Molk. (1861: 10). In L sub H. vriesei Bosch & Sande Lac.

Collecting data in DM (1861): Java, prope Gedok, Holle; in m. Gedé, (inter alios muscos), Teysmann; ad arborum truncos in m. Salak altit. 6000’, Aman.

Original material (syntypes):
- Java, in m. Salak, c. 6000’, op boomstammen [= on tree trunks], 17.7.1860, Amann [= Kurz] 147, 910,132-1029 = L0171254 (SL); 898,133-15 = L0471893 (borrowed by F).

Hypopterygium humile Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1861: 15).

In L sub H. tamarisci (Sw.) Brid. ex Müll.Hal.


Original material:
- [Not seen: Java, in m. Megamendong altit. 4–6000’, Motley (holotype; not returned]

**Hypopterygium javanicum** Dozy & Molk. (1861: 8), nom. nud. in synon. of *H. struthiopteris* Brid. In L sub *Lopidium struthiopteris* (Brid.) M.Fleisch.

There are no specimens that DM labelled *H. javanicum* or *H. struthiopteris*. Two specimens might represent original material, but the evidence is weak. One is 910,132-804 = L0064880, labelled ‘*Hypopterygium*, Java, hb. Dz. et Mb.’ by SL and later identified as ‘*struthiopteris*’. Specimen 910,132-805 = B 0064881 (SL) labelled ‘*H. struthiopteris* (javanicum Dz. & Mb.)’ by Van den Bosch consists of loose leaves and perigonia and might be a fragment of 910,132-804 analyzed by Van den Bosch for his treatment of *Hypopterygium* in *BJ*. For a more detailed discussion see Kruijer (Blumea Suppl. 13: 278. 2002).

Note: The citation of ‘*H. javanicum* Dz. et Mb.’ in *BJ* as a synonym of *Hypopterygium struthiopteris* clearly shows that its full name was *Hypopterygium javanicum*, and it figures under that name in the index of *BJ*. Nevertheless, Fleischer (1904) misinterpreted *H. javanicum* Dz. et Mb. as a name in *Hypnum*. This mistake was perpetuated in Van der Wijk et al. (*Index muscorum* 3 and 5, 1964 and 1969), Kruijer (Blumea Suppl. 13: 268. 2002), and in TROPICOS.


Original material:
Java, Junghuhn, 910,132-756 = L0064871.

Original material?:
Java, Medenie, Junie [= June], Junghuhn, 910,132-730 = L0064873 (Waitz).

Note: The name *Hypopterygium medinense* figures only on the label of 910,132-756.

**Hypopterygium trichoclodon** Bosch & Sande Lac. in Dozy & Molk. (1861: 9). In L sub *Lopidium struthiopteris* (Brid.) M.Fleisch.


Original material (syntypes):

**Hypopterygium vriesei** Bosch & Sande Lac. in Dozy & Molk. (1861: 11)

Original material:

*Ceram, De Vriese*, 910,132-743 = L0623779 (SL; holotype); 898,113-16 = L0171256 (small duplicate borrowed by F).

*Lepidopilum macropus* Bosch & Sande Lac. in Dozy & Molk. (1862: 41); *Hookeria macropus* Dozy & Molk. (l.c.), nom. nud. in synon. In L sub *Hookeriopsis macropus* (Bosch & Sande Lac.) Broth.

Collecting data in DM (1862): Javae; in monte Oengarang in fonte submersum cum fructu m. Aprilii, Junghuhn.

Original material:

Java, in monte Oengarang [= Ungaran] in fonte submersum, Aprilii, Junghuhn, 910,137-1061 = L0060327 (SL ex DM; lectotype, designated by Touw, Trop. Bryol. 28: 85. 2007; master set with brief description by M; comparison to *Hookeria pappeana* by Hampe); 910,137-1207 = L0623777; Java, Jung­huhn, 910,137-1205 = L0623778 (SL ex DM; set examined by Van den Bosch and used for illustration in BJ).

*Lepidopilum sumatranum* Bosch & Sande Lac. in Dozy & Molk. (1862: 42). In L sub *Hookeriopsis utacamundiana* (Mont.) Broth.


Original material:

Sumatra [= Java], G. Simpai, *Korthals* 898,113-17 = L0623776; HDM sheet 91 (lectotype, designated by Tan and Robinson, Smithsonian Contrib. Bot. 75: 25. 1990, erroneously cited as 898.20.113-17; with fragment borrowed by F; initially misidentified as *Hookeria incurva* (Hornsch.) W.Hook. & Grev.); 910,137-1218 = L0623774 (SL); 910,137-1217 = L0623775 (initially labelled *Hookeria incurva*).

No data, 910,137-1213 = L0623773 (SL; used for illustration in BJ).

Note: The origin of the type was erroneously cited as Sumatra on the HDM label and by DM (1846 and 1854–1870).


Original material (syntypes):


Sets not studied by DM:

Notes: HDM sheet 57 also contains the holotype of *Macrohymenium muelleri* Dozy & Molk. and a specimen of *Myurium rufescens* (Reinw. & Hornsch.) M.Fleisch. The diagnosis and description on the sheet and those published fit both *Myurium rufescens* and *Brotherella falcata*, but they contain sporophyte characters and mention falcate-secund leaves, both found in the *Brotherella* sample alone. Moreover, the tuft of the latter is the one depicted by Dozy and Molkenboer (1848). The inflated alar cells illustrated are a little shorter than usual, but far less numerous than in *Myurium*. Dozy and Molkenboer revised the initial identification of the samples but in 1848 they cited all collecting data on the sheet under *Leskea falcata* and *Macrohymenium muelleri*, suggesting that they did not know the origin of the individual specimens on the sheet.

*Leskea filiformis* Dozy & Molk. (1864: 92), nom. nud. in synon. of *Meteorium floribundum* (Dozy & Molk.) Dozy & Molk. In L sub *Floribundaria floribunda* (Dozy & Molk.) M.Fleisch. See *Leskea floribunda* Dozy & Molk.


Original material:
Nova Guinea, Amboina, Zippelius, 898,130-4 = L0060144; HDM description sheet s.n. (a single packet with 3 labels, all reading Nova Guinea or New Guinea; lectotype, designated by Touw, Trop. Bryol. 28: 86. 2007; comparison to *Hookeria orthorrhyncha*; borrowed by F).

[Not seen: Amboina, Zippelius].

Set not studied by DM:

Note: Considering the many errors on labels of Zippelius only one collection might be involved, from either New Guinea or Amboina.


Original material: Java, Telagabodas or Santiang, *Korthals*, 909,188-207 = L 0061159; HDM description sheet No. 53 (holotype, see notes).

Sets not studied by DM (perhaps isotypes, see notes):
Notes: Initially, Dozy and Molkenboer named this species Leskea filiformis, which is the name figuring on the HDM sheet. They did not explain the change of epithet. The HDM sheet bears a single specimen, but mentions two collecting localities, Santiang and Talagabodas, both erroneously considered situated in Java, but correctly listed in DM (1848 and 1864). Therefore the nomenclatural status of the specimens not studied could not be established.

Original material:
Sumatra, Korthals, 910,114-938 = L0399621; HDM description sheet 21 (holotype; with notes on operculum and peristome; sheet labelled ‘Leskea mitrata Dz. & M. = Leskia rufa R. & Hornsch. (auctore Hampe)’ and ‘Macrohymenium rufum C. Müll. Dz. & Mb.’).
Sets not studied by DM:
Sumatra, Korthals, 910,114-1334 = L0623771 (tested by Eakin); 910,114-1364 = L0623772 (SL, labelled Macrohymenium rufum C. Müll.).

Leucobryum aduncum Dozy & Molk. (1854b: 319)
Original material (syntypes):
Java, Junghuhn, 910,132-1671 (lectotype, designated by Yamaguchi, J. Hattori Bot. Lab. 73: 31. 1993; with drawings by Yamaguchi; labelled by M); 910,137-1168 = L0472779 (labelled Leucobryum brachyphyllum Hpe and Dicranum candidum Brid. by Dozy).
Java, Holle, 910,137-1122 (SL ex DM; labelled Leucobryum brachyphyllum Hpe). Mini set 11, [Java], 910,137-1197 = L0472781 (B); 938,93-367 = L0472783; 910,132-1683 = L0472780 (with collecting data copied from BJ and drawings by Yamaguchi); 910,132-1714 = L0472782 (SL ex DM; also containing a second duplicate prepared by M, labelled ‘Leucobryum sanctum Müll., Java’); 938,93-367 = L0472783.
[Not seen: Java, Teijsmann].
Syntype?:
Java, 910,137-1199 = L0623770 (ex DM).

Collecting data in DM (1854b): Java, legit Dr. Holle.
Original material:
[Java, Holle], 910,132-1639 = L0060390 (SL ex DM; holotype; master set and
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2 mini sets).
Mini set 13, [Java, Holle], 910,137-1193 = L0472789; 938,93-366= L0472790; 910,137-1167 = L0472791 (with collecting data copied from BJ).
Note: The initial spelling was corrected to holleanum in BJ 2: 222. 1870.

**Leucobryum pentastichum** Dozy & Molk. (1854b: 319). In L sub *L. candidum* (P. Beav.) Wilson var. *pentastichum* (Dozy & Molk.) Dixon
Collecting data in DM (1854b): Java, Junghuhn.
Original material:
Java, Junghuhn, 910,132-790 = L0060387 (DM; holotype and scrap 910,132-791, annotated by M).
Mini set 15 ex p., [Java, leg. Junghuhn], 910,137-1155 (SL); 910,137-1223 = L0472784 (B); 938,93-365 = L0472785 (Wachter).

**Leucobryum teysmannianum** Dozy & Molk. (1854c: 17)
Collecting data in DM (1854b): Java, unde nobiscum communicavit amicissimus Teysmann.
Original material:
[Java, Teijsmann], 910,139-2186 = L0060391 (SL; holotype; large sample and mini sets No. 15).
Mini set 15 ex p., [Java, Teijsmann], 910,139-2183 = L0623767.
Java, 910,139-2181 = L0623766 (SL; mini set?).

**Leucodon rigidus** Bosch & Sande Lac. in Dozy & Molk. (1864: 104). In L sub *Neolindbergia rigida* (Bosch & Sande Lac.) M. Fleisch.
Original material:
Note: Akiyama (l.c.) did not select a lectotype.

**Leucophanes korthalsii** Dozy & Molk. (1846: 65). In L sub *L. octoblepharoides* Brid.
Original material (syntypes):
Borneo, Martapoera, pagum insulae Borneo, Korthals, 910,139-2520 = L0060403; HDM description sheet 64 (designated as lectotype by Salazar Allen, Bryophyt. Biblioth. 46: 63. 1993; with unpublished name and comparison to *L. octoblepharoides*; additional specimens listed: Zippelius, Gédé and Amboina).
Amboina, Zippelius, 910,139-2245 = L0060404 (HDM; labelled Syrrhopodon octoblepharis Nees var. β and *Leucophanes korthalsii* Dozy & Molk.; printed HDM label lacking).
[Not seen: Java, in monte Gédé, Zippelius].

Set not studied by DM:

Sumatra [= Borneo], Martapura, Korthals, 910,139-2511 = L0623763.

**Macrohymenium muelleri** Dozy & Molk. (1848: 168)


Original material:

[Borneo, Sakoembang?], *Korthals*, 910,114-1159 = L0625345; HDM sheet 57 ex parte (holotype, labelled by M).

Set not studied by DM:

Borneo, in m. Sakoembang, *Korthals*, 910,114-1338 = 898,133-22 = L0623760 (2 packets, one borrowed by F; designated as lectotype by Eakin, A taxonomic revision of the moss genera *Rhegmatodon* and *Macrohymenium*: 52. 1976).

Isotype?:

No data, 002,129-234 = L0623761 (labelled by M).

Note: See discussion under *Leskea falcata*. DM (1848, 1865) and Eakin (l.c.) erroneously cited Korthals specimens from Java (Gédé, Talagabodas) and Sumatra (Padang-Bessie) as syntypes.

**Macrohymenium serrulatum** Dozy & Molk. (1848: 170). In L sub *Regmatodon declinatus* (W.Hook.) Brid.


Original material (syntypes, both initially identified as *Leskea setosa* Hedw.):


Sets not studied by DM:

Java, in m. Patoeha, *Korthals*, 910,114-1094 = L0623756 (annotated as holotype by Eakin); 910,114-1332 = L0623757; [Java, Patoeha], 910,114-936 = L0623755(B ex SL).


**Macrohymenium strictum** Bosch & Sande Lac. in Dozy & Molk. (1865: 114)


Original material:

Borneo, Kina Balloo, *Low ‘Moss No. 1’*, 910,114-1306 = 98,291-36 = L0623754 (holotype; SL ex W.J. Hooker; with collecting data and illustrations of leaves and leaf areolation by Mitten; borrowed by F).

Note: Eakin (A taxonomic revision of the moss genera *Rhegmatodon* and *Macro-
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*hymenium*: 143. 1976) designated a set in NY-Mitten as holotype, but Mitten is not mentioned in *BJ*.

*Macromitrium angustifolium* Dozy & Molk. (1844a: 16; 1844b: 311)
Collecting data in DM (1844): Sumatra, Java, Borneo.

Original material:

*Sumatra, Java et Borneo, Gédé, G. Simpai, G. Sakoenbang [= Sakoembang],
Korthals, 910,139-2497 = L0060422; HDM description sheet 26a (1 sample; annotated as lectotype by Vitt, published by Touw, Trop. Bryol. 28: 86. 2007; additional specimens listed: *Blume, Zippelius*, Herb. De Vriese [Van Gesker]).

Sets neither studied by DM, nor annotated by Vitt:

*Borneo [= Java], G. Simpai, Korthals, 910,139-2460 = L0623747 (also labelled *M. mauritianum* herb. reg. L.B.); Java, G. Simpai, Korthals, 910,139-2502 = L0623749; [Java], G. Kimpai [= Simpai], Korthals, 910,139-2496 = L0623748.

*Sumatra, Korthals, 910,139-2455= L0623750.

[Borneo], G. Sakoembang, [Korthals], 910,139-2345 = L0623751; Borneo, [G. Sakoembang, Korthals], ‘26a’, 910,139-2498 = L0623752.

Syntypes?: specimens labelled *M. mauritianum* Schwägr. (see below).

Non-type additional specimens:

*Java, Boerangrang, in Davallia contigua, Blume, 910,139-2463 = L0623286 (HDM).

*Java, Van Gesker, 910,139-2452 = L0623287 (SL ex De Vriese); 910,139-2465 (B ex DM).

*Java, in arborum truncis montis Gédé rarius et in Amboina, Zippelius, 910,139-2457 = L0623285 (HDM).

Notes:
1. According to Vitt et al. (Acta Bot. Fennica 154: 17. 1995) the lectotype is from Java. However, the origin of the material on the HDM sheet cannot be established, because Dozy and Molkenboer listed several islands.

2. *Macromitrium mauritianum*. The specimens on HDM sheet 26 (*M. mauritianum* auct., non Schwägr.) belong to *M. angustifolium*. They were neither examined by Vitt, nor by SL, who filed all other specimens labelled *M. mauritianum* under *M. salakanum*. Perhaps DM realized rather late that their Indonesian material identified as *M. mauritianum* Schwägr. belonged to another species, *M. angustifolium*, for which they prepared a new HDM sheet. The initial identification may have survived on the sets not borrowed, but why Dozy and Molkenboer did not discard sheet 26 is puzzling. Anyway, the Korthals specimens identified as *M. angustifolium* or *M. mauritianum* have otherwise identical labels.

Specimens of *M. angustifolium* labelled *M. mauritianum* auct. non Schwägr.:

*Sumatra, Java, Borneo, Gédé, Simpai, Sakoembang, Korthals, 910,140-70 = L0623746; HDM sheet 26 (1 specimen; name; collecting data; notes on differences between their material and the data published by Schwägrichen).


**Macromitrium calvescens** Bosch & Sande Lac in Dozy & Molk. (1860: 125). In L sub *M. fuscescens* Schwägr.

Collecting data in DM (1860): Java, prope Tjiburrum legit Hasskarl.

Original material:

Java, prope Tjiburrum, *Hasskarl*, 910,139-2402 = L0060437 (SL; lectotype, designated by Vitt et al., Acta Bot. Fennica 154: 34. 1995; used for illustration in BJ); 910,139-2414 = L0623740; [prope Tjiburrum, *Hasskarl*], 910,139-2407 = L0623742 (B ex SL); 910,139-2413 = L0623741 (B, 2 mini sets).

**Macromitrium concinnum** Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1860: 132)


Original material:

Java, *Zollinger Iter jav. sec. 3716?*, 98,291-24 = L0060431 (SL; holotype; borrowed by F; label with identification written by Mitten included).

**Macromitrium elongatum** Dozy & Molk. (1844a: 16; 1844b: 311). In L sub *M. cuspidatum* Hampe

Collecting data in DM (1844): Borneo, Sumatra.

Original material:


Sets not studied by DM:


Possibly original material not studied by DM (sets labelled *Macromitrium cuspidatum*):

Sumatra, *Korthals*, 910,140-164 = L0623735 (SL); 910,140-173 = L0623737.

Note: A more precise lectotypification is required.

**Macromitrium elongatum** Dozy & Molk. ex Bosch & Sande Lac. in Dozy & Molk. (1859: 116), hom. illeg., non *M. elongatum* Dozy & Molk. (1844). In L sub *M. acuminatum* (Reinw. & Hornsch.) Müll.Hal.

Collecting data in DM (1859): Java, ad arbores m. Salak, *Zollinger coll. 1743*.

Original material:

Java, ad arbores m. Salak, *Zollinger 1743*, 910,139-2417 = L0060419 (holotype; SL).

**Macromitrium humile** Bosch & Sande Lac. in Dozy & Molk. (1860: 128). In L sub *M. salakanum* Müll.Hal.


Original material:

Java, Salak et Gedé, groeiende tussen [= mixed with] *Macromitrium goniorrhynchum* en eene [= and a] *Pottia*, *Teijsmann*, 910,140-97 = L0060468
Macromitrium javanicum Bosch & Sande Lac. in Dozy & Molk. (1860: 123). In L sub *M. incurvifolium* (W.Hook. & Grev.) Schwägr.
Original material:

Macromitrium macrorrhynchum Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1861: 133). In L sub *Groutiella macrorrhyncha* (Bosch & Sande Lac.) Wijk & Margad.
Original material:
Java, inter Filices, unknown collector, 901,144-1454 = 98,291-25 = L0399620 (SL ex Mitten; holotype; labelled by Mitten, who added analytic drawings not used in *BJ*; borrowed by F).

Macromitrium miquelii Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1860: 130).
In L sub *M. fuscescens* Schwägr.
Original material:
Java, Buitenzorg [= Bogor], 1843, 910,140-69 = L0060438 (SL ex Miquel; lectotype, designated by Vitt et al., Acta Bot. Fennica 154: 34. 1995; initially identified as *M. mauritianum* by Montagne; with duplicate borrowed by F).

Original material:
Java, [Teijsmann], 98,291-27 = L0060469 (SL ex DM; holotype; packet labelled ‘e./ = No. 2, *Macromitrium sp.*, ‘Java’ written by Van den Bosch, and ‘*M. pungens* Mitten Ms.’, written by Mitten; used for illustration in *BJ*; borrowed by F).

Macromitrium reflexifolium Sande Lac. (1872: 8), hom. illeg., non Mitt. (1869).
In L sub *M. celebense* Paris

Original material:


*M. semipellucidum* Dozy & Molk. (1844a: 17; 1844b: 311)

Collecting data in DM (1844): Borneo, Java.

Original material:

Borneo et Java, *Korthals*, 910,141-65 = L0060470; HDM description sheet 63b (1 sample; lectotype, designated by Vitt et al., Acta Bot. Fennica 154: 33. 1995; comparison to *M. orthostichum* Nees ex Schwägr.).

Sets not studied by DM:


Java, *[Korthals?]*, 910,141-38 = L0623725.

*M. striatum* Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1861: 134)


Original material:

Borneo, in monte Kina Balloo, *Low*, 910,141-60 = 98,291-29 = L0060473 (SL ex Hooker; holotype; scrappy specimen and drawings by Mitten; part borrowed by F).

Note: The authors of *BJ* thanked Mitten for sending illustrations of sporophyte parts, but did not publish his drawings.

*M. subuligerum* Bosch & Sande Lac. in Dozy & Molk. (1860: 124). In L sub *M. incurvifolium* (W. Hook. & Grev.) Schwägr.


Original material:


Mini set s.n., Java, *[Teijsmann]*, 910,141-37 = L0623724 (B ex SL; collecting data copied from *BJ*); 910,141-267 = L0623721(SL); 910,141-5 = L0623722; 910,141-6 = L0623720.

*M. tylostomum* Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1860: 131)


Original material:

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Original material:
Amboina, belokar, *Zippelius*, 910,143-24 = L0060443 (designated as lectotype by Vitt. et al., Acta Bot. Fennica 154: 36. 1995); 910,143-25 = L0623718 (used for illustration in *BJ*; initially identified as *Hypnum spirale* Zipp., altered by DM to ‘*Macromitrium pellucidum* var. β’); 910,143-31 = L062377 (B ex SL); 910,143-35 = L0623715; 910,143-33 = L0623714 (SL); 910,141-263 = L0623716 (initially identified as *Hypnum spirale* Zipp., altered by DM to ‘*Macromitrium pellucidum* var. β’).

*Macromitrium zollingeri* Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1859: 113)
Original material:
Java, *Zollinger, Iter jav. sec. 3716*, 910,143-32 = L0060487 (SL; lectotype, proposed here; *Zollinger* label; large sample and mica slide; initial identification ‘*M. blumei*’ altered to ‘*M. zollingeri* Mitten Hb.’).
Mini set s.n., Java, *[Zollinger]*, 910,143-41 = L0623711; 910,143-34 = L0623712 (B ex SL; with collecting data copied from *BJ*).

Original material:
Java, Borneo et Sumatra, in arborum truncis late proserpens una cum ficus quadam specie, *Korthals*, 910,121-51 = L0246252; HDM sheets No. 35 and 67 (‘inter 68’); (sheet 35 with specimen; drawings; diagnosis and description (both struck out); collecting data; comparison to *Pterogonium urceolatum* and identification ‘*Maschalanthus plicatus est Pterogonium urceolatum* Hedw.’; additional specimens listed: *Zippelius, Van Gesker*; sheet 67 with specimen lacking collecting data).
No data, 910,121-48 = L0623709 (labelled by M).
Sets not studied by DM:
Java, *[Korthals]*, 910,121-153 = L0623707.
Borneo, *Korthals*, 910,121-44 = L0246237; *[Korthals]*, 910,121-4 = L0623710.

*Megalostylium brevisetum* Dozy & Molk. (1848: 146); *Dicranum brevisetum* Dozy & Molk. (1844), hom. illeg. In L sub *Dicranoloma brevisetum* (Dozy & Molk.) Paris

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Original material:
Java, in summo montis Gédé (rarissime), *Zippelius*, 909,186-176 = L0063523; HDM description sheet s.n. (holotype; cited as lectotype by Klazenga, J. Hattori Bot. Lab. 87: 79. 1999; comparison to *Dicranoloma braunii* and *D. blumei*; additional specimen listed: *Kuhl & Van Hasselt*).

Specimen not studied by DM:
Java, sehr selten auf den ... [illegible] des Gedees, *Zippelius*, 909,186-174 = L0092724 (with Zippelius label).

Non-type additional HDM specimen:
Java, monte Pangerango, *Kuhl & Van Hasselt*, 909,186-170 = L0063522 (HDM; specimen labelled by M; cited as syntype by Klazenga, l.c.).

*Meteorium javanicum* Bosch & Sande Lac. in Dozy & Molk. (1864: 88). In L sub *Barbella javanica* (Bosch & Sande Lac.) Broth.


Original material (syntypes):
Java, *De Vriese*, 002,131-290 = L0623703 (SL; used for illustration in *BJ* and examined by F); 909,188-37 = L0623704 (SL).

*Meteorium kurzii* Bosch & Sande Lac. in Dozy & Molk. (1864: 89). In L sub *Isotheciopsis comes* (Griff.) Nog.

Collecting data in DM (1864): Java, prov. Toegoe in monte Pangerango, altit. 6–7000’, *Kurz*; in m. Slamat, altit. 4–6000’, *Junghuhn*.

Original material (syntypes):

*Meteorium longissimum* (Dozy & Molk.) Dozy & Molk. var. *tenue* Bosch & Sande Lac. in Dozy & Molk. (1864: 87). In L *Aerobryopsis longissima* (Dozy & Molk.) M.Fleisch. var. *tenuis* (Bosch & Sande Lac.) M.Fleisch.


Original material:
Sumatra, ad littus occidentale, *Teijsmann*, 909,188-98= L0623698 (holotype; used for illustration in *BJ* and borrowed by F; initially identified by SL as *Meteorium lanosum* Mitt.).

Additional non-type specimens identified by SL:
Sumatra, *Korthals*: 909,188-14 = L0623280.
**Meteorium polytrichum** Dozy & Molk. (1848: 161)
Ad caudices *Cocos nuciferae* in monte Gédé, Van Gesker in hb. De Vriese.

Original material (syntypes):
- Java, Sallak, 6.12.1826, Zippelius, 909,190-32 = L0060509 = L 0060510.
- Java, in monte Magnedong, Kühl & Van Hasselt, 909,190-33 = L0060504.
- Java, Salak auf *Freycinetia angustifolia*, Blume, 909,190-52 = L0060507.

Sets not studied by DM:
- Sumatra, in m. Singalang, *Korthals* 909,188-221 = L0060503 (isolectotype?
  See note).
- Java, Magnedon, Kühl & Van Hasselt, 909,190-54 = L0060508.

Note: The material on the HDM sheet is probably the Korthals collection listed, because it is the only one of which no separate set with an HDM label was found.
Menzel (Willdenowia 22: 189.1992) erroneously interpreted the material collected by Blume and Zippelius as sets of a single collection.

**Meteorium rutilans** Bosch & Sande Lac. in Dozy & Molk. (1864: 90). In L sub *Isotheciopsis comes* (Griff.) Nog.

Original material (syntypes):
- Java, in sylvis Tjerimai, 5–7000’, August, *Junghuhn*, 910,144-424 = L0623695 (SL); 910,144-428 = L0623696.
- Sumatra, prov. Padang in reg. superioribus ad arbores, 1859, comm. *Wiltens*, 910,144-425 = L0623694 (SL; used for illustration in BJ); 910,144-427 = L0623697 (B ex SL; collecting data added by B); [Wiltens], 910,144-437 = L0623693 (SL).

Syntypes?
- Java, in sylvis Tjerimai, *Junghuhn*, 910,144-14 = L0623691 (SL; identification lacking).
- Sumatra, 910,144-429 = L0623692 (B).

**Mielichhoferia schimperi** Dozy & Molk. (1844a: 17; 1844b: 312; 1846: 76); *M. trifaria* Dozy et Molk. (1855: 25), nom. nud. in synon. In L sub *Arthrocormus schimperi* (Dozy & Molk.) Dozy & Molk.

Original material:
Borneo, Martapoera, in Arenga saccharifera, Korthals, 909,193-381 = L0623687; HDM description sheet 62 (holotype; initially identified as M. trifaria Dozy & Molk.; notes on classification and morphology).

Sets not studied by DM:
Borneo, Martapoera, Korthals, 898,129-6 = L0623688 (borrowed by F); [Korthals], in Arenga saccharifera, 909,190-39 = L0623690.
Borneo, [Korthals], 909,190-19 = L0623689 (B ex SL).

Mielichhoferia sericea Dozy & Molk. (1844a: 18; 1844b: 312; 1846: 85). In L sub Hymenodon sericeus (Dozy & Molk.) Müll.Hal.
Original material:
Sets not studied by DM:
Borneo, Korthals 910,114-924 = L0060330 (SL); ‘24’, 910,114-925 = L0060329.
Non-type additional HDM specimen cited in DM (1846):
Java, in summo monte Gédé in arborum vetustiorum cavis prope regionem paludosam, mense Januario 1827, Zippelius, 910,114-928 = L0623278; HDM description sheet s.n. (nom. nud. in Leucodon; comparison to L. tomentosus W.Hook. and L. lagurus W.Hook.; reduction to Mielichhoferia sericea Dozy & Molk.). Not listed on sheet 24 and therefore almost certainly identified after the publication of M. sericea.

Mielichhoferia trifaria Dozy & Molk. (1855: 25), nom. nud. in synon. of Arthrocarpus schimperi (Dozy & Molk.) Dozy & Molk.

Mniiodendron humile Lindb. in Dozy & Molk. (1866: 138). In L sub Hypnodendron dendroides (Brid.) Touw
Original material:

Mniiodendron korthalsii Bosch et Lac. in Dozy & Molk. (1866: 139). In L sub Hypnodendron milnei Mitt. ssp. korthalsii (Bosch et Lac.) Touw
Collecting data in DM (1866): Java, Korthals, Rochussen, herb. Miquel; in m. Gedé et Salak, Teysmann; prope Tjibodas, Hasskarl; in cacumine m. Gedokan, altit. 6000’, Kuhl et Van Hasselt; in m. Gedé et Megamendong, Zippelius; in m. Salak,

Original material (syntypes):
Batjan, De Vriese & Teijsmann, 909,187-50 = L0623677.
[Not seen: Java, Korthals; the only Korthals specimen I know is a misidentified specimen of Trismegistia sp. in NY).

*Mnium integrum* Bosch & Sande Lac. in Dozy & Molk. (1861: 153). In L sub *Plagiomnium integrum* (Bosch & Sande Lac.) T.Kop.
Collecting data in DM (1861): Sumatra, prope Padang in regionibus superioribus ad pedem arborum lectum; communicavit vir. nob. André Wiltens.

Original material:
Mini set s.n., Sumatra, [Wiltens], 910,140-138 = L0539831; 910,140-158 = 898,134-4 = L 0539835 (borrowed by F).

*Neckera convoluta* Dozy & Molk. (1844a: 18; 1844b: 312; 1848: 88). In L sub *Symphysodontella convoluta* (Dozy & Molk.) M.Fleisch.

Original material:
Java, in monte Gedokan ad altitudinem 6000 pedem, leg. Kuhl & Van Hasselt, 910,110-1174 = L0057236; HDM description sheet s.n. (holotype; with notes on diagnostic characters and morphology).
Specimen not studied by DM:
[Java], Kuhl & Van Hasselt, 910,110-1237 = L0057235 (SL).
Neckera crispula Bosch & Sande Lac. in Dozy & Molk. (1863: 66). In L sub Calyptotheicum crispulum (Bosch & Sande Lac.) Broth.
Collecting data in DM (1863): Java, De Vriese; prope Limbang, Korthals; Sumatra; prov. Padang in regione superiore ad cortices arborum, Andrée Wiltens.
Original material (syntypes):
Java, Korthals, Limbang [= Lembang], 910,144-398 = L0623671 (SL).
Java, De Vriese, 910,144-395 = L0060067 (SL); 910,144-396 = L0060068 (B ex SL); 898,134-5 = L0060069 (borrowed by F).

Neckera gracilenta Bosch & Sande Lac. in Dozy & Molk. (1863: 62). In L sub Neckeropsis gracilenta (Bosch & Sande Lac.) M.Fleisch.
Original material (syntypes):
Sumatra [= Java], Limbang [= Lembang], Korthals, 910,101-331 = L0623669; HDM sheet 89 ex parte (sheet labelled Neckera undulata Hedw., but containing specimens of Neckeropsis gracilenta and N. lepineana (Mont.) M.Fleisch.; the additional specimens listed belong to N. lepineana).
Java, Gedé et Salak, Teijsmann, 910,98-304 = L0623656 (SL).
Sumatra, Korthals, 910,98-323 = L0623667; 910,98-369 = L0623666.
Borneo, Korthals, 910,98-363 = L0623664.
Celebes, Minahassa van Menado, De Vriese, 910,98-368 = L0623663 (SL).
Ceram, De Vriese, 1858–1860, 910,98-348 = L0623661 (SL); 910,98-356 = L0623662 (SL); 910,98-357 = L0623660 (B ex SL).
[Not seen: Java, Teijsmann].
Catalogue

**Neckera hookeri** Dozy & Molk. (1844a: 18; 1844b: 313; 1848: 155). In L sub *Himanthocladium plumula* (Nees) M.Fleisch.
Original material:
Sets not studied by DM:

**Neckera longissima** Dozy & Molk. (1844a: 18; 1844b: 313; 1848: 159). In L sub *Aerobryopsis wallichii* (Brid.) M.Fleisch.
Original material:
Java, Sumatra et Borneo, *Korthals*, 909,188-84 = L0623642; HDM description sheet 10 (1 sample; lectotype, designated by Touw, Trop. Bryol. 28: 87. 2007; notes on similarity to an unidentified Brazilian moss; additional specimens listed: *Zippelius, Blume*).
Sets not studied by DM:
Java, *Korthals*, 909,188-158 = L0623643 (SL); [Korthals], ‘10’, 909,188-91 = L0623644.
Sumatra, *Korthals*, 909,188-59 = L0623645; 909,188-167 = L0623646; [Korthals], (10), 909,188-162 = L0623647.
Non-type additional HDM specimens:
Java, Salak, ad pedem montis Salak, and den Zweigen von ramis *Gynopacris acuminatae*, *Blume*; 909,188-62 = L0623284 (HDM).
Java, *Zippelius*, 909,188-102 = L0623283 (HDM); 909,188-103 = L0623282.

**Neckera loriformis** Bosch & Sande Lac. in Dozy & Molk. (1863: 63). In L sub *Himanthocladium cyclophyllum* (Müll.Hal.) M.Fleisch.
Original material (syntypes):
Java, in m. Gedé et Salak, *Teijsmann*, 910,101-367 = L0060306 (SL); 940,124-16 = L0623641 (Wachter ex B, ‘Gedé’).

**Neckera mucronata** Bosch & Sande Lac. in Dozy & Molk. (1863: 68). In L sub *Pinnatalla mucronata* (Bosch & Sande Lac.) M.Fleisch.


Original material (syntypes):
- Java, Zippelius, 910,110-1276 = L0057035.
- Java, Teijsmann, in m. Gedé et Salak, 910,110-1292 = L0057043.
- Java, Depok, Holle 36, 910,110-1327 = L0057045.
- Java, Depok, Holle 38, 910,110-1376 = L0057046.
- Sumatra, Korthals, 910,110-1370 = L0057037 (SL); 910,110-1308 = L0057041.
- Sumatra, ad littus occidentale, Teijsmann, 910,110-1378 = L0057044 (SL).
- Borneo, Korthals, 910,110-1386 = L0057038.
- [Not seen: Java, Korthals].
- [Not seen: Celebes, in sylvis prope Tondano, Forsten].

**Neckera pygmaea** Dozy & Molk. (1844a: 18; 1844b: 313; 1848: 174). In L sub *Schwetschkea pygmaea* (Dozy & Molk.) Müll.Hal.


Original material:
- Java [= Borneo], summo monte Sakoembang, Korthals, 910,121-69 = L0623638; HDM description sheet s.n. (holotype).

Sets not studied by DM:
- [Borneo], Korthals, 910,121-67 = L0623640 (SL); 898,129-4 = 910,121-68 = L0623639 (borrowed by F).


Collecting data in Jaeger (1873): Java (?).

Original material:
- Java, Kandang-Sapie, in truncis arborum, inter radices orchideorum, filicum alicuique parasitorum vegetabilium, Korthals, 910,101-515 = L0623633; HDM description sheet 48 (full page notes on diagnostic characters, habitat, and morphological variation; additional specimens listed: Zippelius, Van Gesker, Java).
- Java and Amboina, Zippelius, 910,101-545= L0623631 (HDM; 3 packets labelled...
Catalogue


Java, weinig gevonden op den grond in de bosschen, meest bij eenige kampgons op Pondok-Gédé [= occasionally found on forest soil, most times near villages on Pondok-Gédé], 27.3.[18]42, Van Gesker, comm. De Vriese, 910,101-364 = L0623634 (initially identified as Octoblepharum albidum Hedw.); Pondok-Gédé, [Van Gesker], 910,101-470 = L0623630 (SL ex De Vriese; labelled by SL); Java, [Van Gesker]; 910,101-546 = L0623632 (ex De Vriese, det. M); 910,101-551 = L0623629 (B).

Sets not studied by DM:
Java, Kandang-Sapiie, [Korthals], 910,101-554 = L0623628 (‘48’); 910,101-549 = L0623627.

Orthodontium infractum Dozy & Molk. (1844a: 19; 1844b: 313; 1846: 34)

Original material:
Borneo, [= Java] Sedaratoe, Korthals, 910,101-504 = L0623625; HDM description sheet 42 (holotype; 1 stem and 2 fragments; additional specimen listed: Zippelius; sheet not annotated by Meijer).

Sets not studied by DM (both seen by Meijer):

Non-type additional specimen:
Java, Zippelius, 910,101-511 = L0623276 (HDM; seen by Meijer); 910,101-430 = L0623277 (SL).

Notes: Dozy & Molkenboer (1844) reported material from Borneo and Java, but in DM (1846) they mentioned material from Java only. The material on the HDM sheet is extremely poor and incomplete. The sporogones described are missing and may have been used up in analysis.

Orthodontium oorschotii Sande Lac. (1872: 11). In L sub Splachnobryum oor­schotii (Sande Lac.) Müll.Hal.
Collecting data in SL (1872): Java, in planitie in calcareis, ad muros prope Samarang, Grissee in sepulcris socia Pottia vernicosa, Soerabaya, Soerakarta, ubi legit et nuperrime mecum communicavit W. van Oorschot.

Original material (syntypes):
Java, Soerabaya, Van Oorschot, 910,145-1007 = L0623617 (SL); 910,145-999 = L0623616 (SL; mixed with S. obtusum (Brid.) Müll.Hal.).

[Not seen: Java, Soerakarta, Van Oorschot].

Note: All specimens seen have been examined by Arts (Lindbergia 26: 77–96. 2001), who did not designate a lectotype.

**Orthotrichum ochraceum** Zipp. (in Dozy & Molk. 1860: 118), nom. nud. in synon. of *Schlotheimia ochracea* Dozy & Molk.

**Philonotis revoluta** Bosch & Sande Lac. in Dozy & Molk. (1861: 158)
Collecting data in DM (1861): Java, ubi specimina pauca legit Junghuhn.
Original material:
Sumatra [= Java], ad pedem montis Merapi meridion. in solutis basalticis prope Andong; Septemb., Junghuhn, 910,104-759 = L0623613 (SL; initially identified by M as Bartramia fontana falcata).

**Platygyrium pertenue** Sande Lac. (1872: 12). In L sub *Trachyphyllum inflexum* (Harv.) A.Gepp
Collecting data in SL (1872): Java, prope Soerakarta ad truncos arborum, Van Oorschot.
Original material:
Java, prope Soerakarta e Dhalam Soesoehoenan, ad arborum truncos, Van Oorschot, L0623612 (holotype; SL; cited as lectotype by Buck, Brittonia 31: 382. 1979).

**Pogonatum macrophyllum** Dozy & Molk. (1856: 45)
Collecting data in DM (1856): Java, in montibus Salak et Pangerango, mense Februario legerunt Blume, Korthals, V. Gesker, Junghuhn; in monte Megamedong locis obscuris humidis in terra argillacea, mense Januario, legit Zippelius.
Original material (syntypes):
Java, in monte Pangerango, febr., Junghuhn, 910,110-925 = L0623608 (islectotype).
Java, monte Salak, Junghuhn, 910,110-1006 = L0623603.
Java, Junghuhn, 910,110-959 = L0623607.
Java, Korthals, 910,110-277 = L0623610; HDM sheet 7a (initially identified as *Polytrichum convolutum* L. f., Schwägr.; additional specimens listed: Van Gesker, Zippelius, Blume).
Java, in monte Salak, Blume, 910,110-956 = L0623611 (HDM).
Sets not studied by DM:
Java, Zippelius, 910,110-924 = L0623604.
Java, Blume, 942,233-9 = L0623605.
Note: Hyvönen (Acta Bot. Fenn. 138: 33. 1989) designated a specimen in BM as lectotype and did not annotate the specimens in L.
**Pogonatum microphyllum** (Dozy & Molk.) Dozy & Molk. f. *elata* Dozy & Molk. (1856: 39)  
Collecting data in DM (1856): lacking.  
No specimens found. See *Polytrichum microphyllum* Dozy & Molk.

**Polytrichum clavatum** Dozy & Molk. (1854b: 326). In L sub *Pogonatum microstomum* (Schwägr.) Brid.  
Original material:  
Java, Kawie, Gipfel, Septbr, *Junghuhn* 696, 910,110-287 = L0057063 (holotype);  
910,110-495 = L0057062 (SL ex DM; 3 duplicate sets in blank packets and 1 mini set).  
Mini set s.n.: Java, [Junghuhn], 910,110-288 = L0057061(B); 910,110-292 = L0623602.

**Polytrichum holleanum** Dozy & Molk. (1870: 223), nom. nud. in synon. of *Racelopus pilifer* Dozy & Molk.

**Polytrichum junghuhnianum** Dozy & Molk. (1854b: 324). In L sub *Pogonatum neesii* (Müll.Hal.) Dozy  
Collecting data in DM (1854b): Java, in monte Diëng, in terra limosa, ad vias et muros, mense Martio, Jungh.  
Original material:  
Java, in monte Dieng, ad vias, muros et in terra limosa, Martio, *Junghuhn*,  
910,110-282 = L0623600.  
Mini set s.n., [Java, Junghuhn], 910,110-280 = L0623309 (SL).  

**Polytrichum junghuhnianum** Dozy & Molk. var. *incurvum* Dozy & Molk. (1854b: 325). In L sub *Pogonatum neesii* (Müll.Hal.) Dozy  
Collecting data in DM (1854b): Java, in monte Megamendung, ad vias limosas, mense Junio, Jungh.  
Original material:  
Mini set s.n., Java, [Junghuhn], 910,110-906 = L0623599 (3 sets from SL and B); 910,110-922 = L0623598 (with collecting data copied from BJ).  

**Polytrichum microphyllum** Dozy & Molk. (1854b: 326). In L sub *Pogonatum microphyllum* (Dozy & Molk.) Dozy & Molk.  
Collecting data in DM (1854b): Java, in rupibus desertis montis Merapi, Jungh.  
Original material:

Note: Two forms (humilis and elata) are mentioned in BJ (1856). The text shows that f. ‘humilis’ represents the type expression of the species. Original material labelled f. elata could not be traced.

**Polytrichum teysmannianum** Dozy & Molk. (1854b: 323). In L sub Pogonatum subtortile (Mull.Hal.) A.Jaeger
Collecting data in DM (1854b): Java, Junghuhn.
Original material:
Java, Junghuhn, 910,110-1122 = L0399623 (holotype).
Possible isotypes:

**Porotrichum ellipticum** Bosch & Sande Lac. in Dozy & Molk. (1863: 70). In L sub Thamnobryum ellipticum (Bosch & Sande Lac.) Nieuwl.
Collecting data in DM (1863): Java; in m. Gedé et Salak, Teysmann; in alveo fluminis cujusdam montis Salak altit. 2500’, Amann; Sumatra; ad litus occidentale, Teysmann; prov. Padang in regione superiore, Andrée Wiltens.
Original material (syntypes):
[Not seen: Sumatra, prov. Padang, in regione superiore, Wiltens].

**Porotrichum latifolium** Bosch & Sande Lac. in Dozy & Molk. (1863: 69). In L sub Thamnobryum pandum (Hook.f. & Wilson) I.G.Stone & G.A.M.Scott
Collecting data in DM (1863): Sumatra, Korthals.
Original material:

**Pottia gedeana** Sande Lac. (1872: 4). In L sub Scopelophila cataractae (Mitt.) Broth.
Collecting data in SL (1872): Java, in monte Gedé, Binnendijk.
Original material:
Java, in m. Gedé, Binnendijk, 910,110-1402 = L0623591 (holotype).
Catalogue

**Pottia julacea** Dozy & Molk. (1854b: 335). In L sub *Aongstroemiopsis julacea* (Dozy & Molk.) M.Fleisch.
Collecting data in DM (1854b): Java, inter *Entosthodon javanicum*, (Junghh.).
Original material:
Mini set s.n., [Java, Junghuhn], 910,110-1422 = L0623588 (SL).

**Pseudeskea crispula** Bosch & Sande Lac. in Dozy & Molk. (1865: 125); *Hypnum crispulum* Dozy & Molk. l.c., nom. nud. in synon. In L sub *Claopodium assurgens* (Sull. & Lesq.) Cardot.
Original material:

**Racelopus pilifer** Dozy & Molk. (1855: 37) In L sub *Pogonatum piliferum* (Dozy & Molk.) Touw
Collecting data in DM (1855): Java, Seriboe, collegit *Holle*.
Original material:
Java, Seriboe, *Holle* 21, 910,114-1155 = L0057079 (holotype; SL; initially identified as *Polytrichum hollianum* Dozy & Molk., BJ 2: 223. 1870, nom. nud.).

Collecting data in DM (1854a): Java ubi primus ditissime fructificans legit *Teysmann*. — (?) Ibidem sine loco et numero *Zoll*. 
Original material (syntypes):
Java, *Teijsmann*, 910,114-909 = L0060650 (B ex SL; lectotype, designated by Frisvoll, Gunneria 59: 207. 1988; collecting data added by B); 910,114-917 = L0623583 (SL ex DM); 910,114-953 = L0623582 (SL ex DM); 910,114-1038 = L0060652 (SL).
Mini set s.n.: Java [*Teijsmann*], 910,114-952 = L0060651 (B ex DM).
[Not seen: Java, *Zollinger* 1545 (marked ‘vidimus’ by M in a draft inventory of their herbarium and perhaps received on loan only)].

**Rhacopilum** [= *Racopilum*] *demissum* Bosch & Sande Lac. in Dozy & Molk. (1862: 18). In L sub *Racopilum cuspidigerum* (Schwägr.) Ångström var. *cuspidigerum*
Original material (syntypes):
Java, ad cortices arborum M. Semiru, c. 5400’, *Zollinger* 2318, 910,114-1298 = L0623581 (SL ex DM; lectotype, designated by Van Zanten, J. Hattori Bot. Lab. 100: 542. 2006; with drawings and Zollinger label; initially identified
by Van den Bosch as *R. tomentosum*).

Java, ad arbores M. Salak, *Zollinger 1421Z*, 910,114-1304 = L0623575 (SL ex DM; with Zollinger label; correctly cited in DM (1854a), but erroneously cited as 1412 in *BJ*).

Java, Prov. Bandong, inter *Cylindrothecium bandongiae* *Zollinger s.n.*, 910,114-1300 = L0623579 (SL ex DM; labelled *R. demissum* Dz. et Mb.).


Java, Gedé, *Teijsmann*, 910,114-1296 = L0623576 (SL; fragments used for accompanying drawings not used in *BJ*); 910,114-1302 = L0623577 (B ex SL; scrap).

Celebes, [Menado], *De Vriese*, 910,114-888 = L0623580 (B ex SL; labelled *Rh. schmidii*).

*Rhizogonium latifolium* Bosch & Sande Lac. in Dozy & Molk. (1861: 2). In L sub *Pyrrhobryum latifolium* (Bosch & Sande Lac.) Mitt.

Collecting data in DM (1861): Banca; ad terram et arborum truncos in sylvis prope Simpan, Batoeroejak, Kimah rarissime cum fructu legit *J. Aman*.

Original material (syntypes):


Banca, Batoeroesak, in feuchten Wäldern und Gründen, 1.7.1858, *Amann* [= *Kurz*], 910,114-946 = L0057205 (SL); 910,114-1333 = L0057204.

*Rhizogonium spiniforme* (Hedw.) Bruch var. *elatum* Bosch & Sande Lac. in Dozy & Molk. (1861: 1). In L sub *Pyrrhobryum spiniforme* (Hedw.) Mitt.


Original material?:


Sumbawa, G. Sonkar, ad arbores, *Zollinger 1434Z* (with Zollinger label); 910,114-1147 = L0623570 (SL ex DM); 910,114-1146 = L0623571 (SL, erroneously labelled ‘Java’).

No data, 910,113-1273 = L0623567 (sample examined by Van den Bosch; with drawings; initially identified as *Rh. pungens* Sull.).

Note: The identification ‘var. *elatum*’ is lacking from all labels.

*Sauloma baliensis* Bosch & Sande Lac. in Dozy & Molk. (1865: 110). In L sub *Sematophyllum tristiculum* (Mitt.) M.Fleisch.
Catalogue


Original material:

*Schistomitrium robustum* Dozy & Molk. (1854a: 29)


Original material (syntypes):
Mini set 17, Java, [Teijsmann], 910,121-93 = L0623563; 910,121-129 = L0623561; 910,330-711 = L0623562; 938,93-364 = L0623560.

[Not seen: Java, Zollinger, sine numero et loco (lacking from M’s draft inventory of their herbarium; perhaps received on loan from Zollinger)]

Additional specimens listed in *BJ* 2: 222. 1870:
Java, ad arborum truncos vetustos in monte Gegerbintang pr. Toegoe, c. 4000’, 18.2.1861, *Amann [= Kurz] 489, 910,121-131 = L0623274; 910,121-128 = L0623275 (SL); 910,121-104 = L0057213 (B ex SL; cited as syntype by Enroth, Willdenowia 18: 541. 1989, but collected after both authors had passed away).

*Schlotheimia gonorrhyncha* [= *goniorrhyncha*] Dozy & Molk. (1854b: 338). In *L* sub *Groutiella tomentosa* (Hornsch.) Wijk & Marg.


Original material:


Collecting data in DM (1844): Java.

Original material (syntypes):
Java, in alterioribus montosis in monte Megamendong, Sallak et Gédé vulgaris; fruget mense Dezembrī–Februario, *Zippelius, 910,140-75 = L0060459; HDM description sheet s.n. (3 packets, containing different species; 1 set designated as lectotype by Vitt et al., Acta Bot. Fennica 154: 1–56. 1995; comparison to *S. teres*; additional specimen listed: *Blume*).

Sets not studied by DM:

Non-type additional HDM specimen:

**Schlotheimia teres** Dozy & Molk. (1844a: 19; 1844b: 314). In L sub *Macromitrium blumei* Nees ex Schwägr.
Collecting data in DM (1844): Java, Borneo, Sumatra.
Original material (syntypes):
Java [+ Sumatra, Borneo], Patoeha, Papandajang, Singalang, Limbangan, G. Sakoenbang, *Korthals*, 910,137-1253 = L0060428; HDM description sheet 16a (annotated as lectotype by Vitt, but see note; penciled note ‘an Macrom. Blumei?’; additional specimens listed: *Van Gesker, Zippelius, Blume*).

Sets not studied by DM:
Java, Patoeha, *Korthals*, 910,139-2448 = L0623551; 910,139-2356 = L 0623552 (SL).
Java, Papandayan, *Korthals*, 910,139-2354 = L0623550.
Sumatra, Singalang, *Korthals*, 910,139-2361 = L0623547; 910,137-1251 = L0623546 (SL).
Borneo, Sakoenbang, *Korthals*, 910,139-2487 = L0623553.

Non-type additional HDM specimens:
Java, *Blume*, 910,139-2491 = L0060427 (HDM); 910,132 -1717 = L0623272.
Java, in *montis Gédé altioribus ad arbores vetustos et in sylvis declivioribus circa Bogor, per totum annum fruget*, *Zippelius*, 910,139-2495 = L0060426 (HDM); 910,139-2447 = L0623271.

Note: A more precise lectotypification is required, since the sheet contains 3 samples which may represent different collections.

**Schoenobryum julaceum** Dozy & Molk. (1848: 184). In L sub *S. concavifolium* (Griff.) Gangulee
Collecting data in DM (1848): Java, caespitose ad arborum trunços, *Korthals*.
Original material:
Java, *Korthals*, 909,188-53 = L06235445; HDM description sheet 88 (holotype; initially identified as *Grimmia julacea* Hornsch., with notes on discrepancies between properties observed and Hornschuch’s data; additional morphological data; note: ‘cf. Neckera filiformis Hedw.’).

Sets not studied by DM:

**Seligeria apiculata** Dozy & Molk. (1854a: 30). In L sub *Barbula indica* (W.Hook.) Spreng.
Original material:
Catalogue

Origin unknown, Zollinger, ‘sine loco et numero’, 910,137-1125 = L0623538 (holotype; SL ex DM; very small sample, labelled by M).

*Sphagnum gedeanum* Dozy & Molk. (1854: 28). In L sub *S. junghuhnianum* Dozy & Molk.


Original material:

[Java, Gédé, comm. *Teijsmann*], 910,123-1037 = L0623537 (holotype; master set, labelled by M ‘*Sphagnum* n.sp.1, alia *Sphagna* admixta?’ and ‘*Sphagnum gedeanum*’).

Mini set 19, [Java, Gédé, comm. *Teijsmann*], 910,123-1031= L0623535 (B); 938,93-381 = L0623534; 910,123-1039 = L0623532 (s.n.; mini set and larger duplicate); 910,123-1033 = L0623533 (s.n.); Java, Gédé, *Teijsmann*, 910,123-1038 = L0623536 (s.n.; collecting data copied from *BJ*).

*Sphagnum hollianum* [= *holleanum*] Dozy & Molk. (1854: 29). In L sub *S. sericeum* Müll.Hal.

Collecting data in DM (1854): Java; sine loci specialis adnotatione legit et communicavit Holle; ad arbores in monte Salak raro, *Zollinger no. 2217* nomine *Hypni dealbati* R. et H.

Original material (syntypes):


Mini set 20, Java, [Holle], 910,123-1013 = L0623526 (B); 910,123-1103 = L0623527 (SL); 938,93-363 = L0623529; Java, Holle, *Zollinger*, 910,123-1012 = L0623530 (collecting data copied from *BJ*).

Java, ad arbores M. Salak, raro, *Zollinger 221Z* (erroneously numbered 2217 in *BJ*), 910,123-994 = L0623531 (SL; 2 stems only).

Note: The mini sets must be duplicates of Holle’s specimen, because *Zollinger*’s specimen is a poor one.

*Sphagnum junghuhnianum* Dozy & Molk. (1854: 27)


Original material (syntypes):


Java, in monte Patoeha, *Blume*, 910,123-1034 = L0623522 (SL); 910,123-990 = L0623521 (SL); 910,123-1027 = L0623520.

Mini set 18, [Java, *Junghuhn*], 910,123-1042 = L0623523 (SL); 910,123-1045 = L0623524 (B).

Note: The mini sets must be duplicates of Junghuhn’s specimen, because Dozy and Molkenboer were not allowed to distribute sets of Rijksherbarium collections like Blume’s.
**Symphysodon neckeroides** Dozy & Molk. (1844a: 20; 1844b: 314; 1846: 89)

**Collecting data in DM (1844):** Borneo, Sumatra. DM (1846): Borneo, collegit *Korthals*; Sumatra, collegit *Korthals*.

**Original material:**


Sets not studied by DM:


Notes: The lectotype was almost certainly collected in Sumatra, since the sample on the HDM sheet and the Sumatran sets not studied by DM consist of large fruiting plants, whereas the Bornean material consists of smaller, sterile plants. Next to the sample of *Symphysodon* on the HDM sheet is a tuft mounted of *Chaetomitrium orthorrhynchum* (Dozy & Molk.) Bosch & Sande Lac., probably representing a set of its Sumatran type collection.

**Syrrhopodon apiculatus** Dozy & Molk. (1844a: 20; 1844b: 315; 1846: 68). In *L* sub *Schistomitrium apiculatum* (Dozy & Molk.) Dozy & Molk.


**Original material (syntypes):**

Java, monte Papandajang; Sumatra, in sylvis monte Merapie, ad acumina montium in *Thibaudia, Korthals*, 910,121-160 = L0623509; HDM description sheet 22 (3 samples; additional specimens listed: *Zippelius, Kuhl & Van Hasselt*).

Sets not studied by DM:


Non-type additional HDM specimens:

Java, in truncis *Gomuti sacchariferi* Spr. in agro Bogoriensi, Februario 1827, *Zippelius*, 910,121-122 = L0623269 (HDM).

Java, Pangerango-Tjiceriai [= Tjikoerai], *Kuhl & Van Hasselt*, 910,121-125 = L0623270 (HDM).

**Syrrhopodon cavifolius** Sande Lac. (1872: 5), ex parte

**Collecting data in SL (1872):** Banca ad trunços arborum putridos, *Teysmann*. Borneo prope Pontianak, *Van Oorschot*.

**Syntype:**

Banca, *Teijsmann*, 910,126-1606 = L0057240 (SL; lectotype, designated by Ellis, Systematics and Biodiversity 1: 164. 2003; with drawings by Iwatsuki); 910,126-1639 = L0057241 (SL; comparison to *S. gardneri* and notes
Catalogue on morphology).

Second syntype: see next item.

**Syrrhopodon cavifolius** Sande Lac. (1872: 5), ex parte. In L sub *S. armatus* Mitt. (fide Ellis, 2003)

Syntype:
Borneo, Pontianak, *Van Oorschot*, 910,126-1605 = L0060752 (SL; notes on morphology).

Second syntype: see previous item.

**Syrrhopodon confertus** Sande Lac. (1872: 4)

Original material (syntypes):

Note: Mohamed & Reese (Bryologist 88: 223–254. 1985) lectotypified *S. confertus* by the Kurz collection without specifying a set.

**Syrrhopodon crispus** Dozy & Molk. (1854b: 335). In L sub *Pseudosymblepharis bombayensis* (Müll.Hal.) Sollman
Collecting data in DM (1854b): Java, in sylva merid. Montis Merapi ad saxa, alt. 4000’; in monte Slamatalt. 4–6000’, *Jungh*.

Original material (syntypes):
Java, in m. Merapi altit. 4000’, *Junghuhn*, 910,137-1111 = L0060696 (SL). 
Java, Slamatalt. 4–6000’, *Junghuhn*, 910,137-1108 = L0623504.
Java, Slamatalt. 4–6000’ and ap. syla merid. Merapi, saxicola, 4000’, *Junghuhn*, 910,137-1124 = L0060697 (with field labels).

**Syrrhopodon fallax** Sande Lac. (1872: 5). In L sub *S. aristifolius* Mitt.

Original material (syntypes):
Banca, ad arbores in sylvis inter Tjang-tara et Klappa, 4.8.1858, *Kurz* 69, 910,126-1769 = L0060706 (SL; with drawings by Iwatsuki).

**Syrrhopodon fastigiatus** Dozy & Molk. (1854b: 334). In L sub *S. gardneri* (W.Hook.) Schwägr.) var. *fastigiatus* (Dozy & Molk.) Dozy & Molk.
Collecting data in DM (1854b): Java inter *Leucobryum aduncum, Jungh.*
Original material:
Java, inter *Leucobryum aduncum, Junghuhn*, 910,126-1410 = L0623501 (SL ex DM; set labelled by M and mini set labelled by Dozy); 910,126-1394 = L0623503 (set labelled by M).
Mini set s.n., [Java, *Junghuhn*], 910,126-1395 = L0623502 (B); 910,126-1409 = L0623500 (collecting data copied from *BJ*).

**Syrrhopodon jungqulian** Mitt. ex Dozy & Molk. (1856: 57). In L sub *Mitthyridium jungquilianus* (Mitt.) H.Rob.
Original material:

**Syrrhopodon laboeanus** Dozy & Molk. (1856: 56). In L sub *S. albo-vaginatus* Schwägr.
Original material:

**Syrrhopodon revolutus** Dozy & Molk. (1844a: 21; 1844b: 315; 1846: 47). In L sub *S. involutus* Schwägr.
Original material:
Sets not studied by DM:
Borneo, HLB 910,126-1461 = L0440855 (collector’s name lacking).
Note: The collecting data on the HDM sheet indicate that the faulty report from Java in DM (1844) was based on this incorrect label.

**Syrrhopodon speciosus** Dozy & Molk. (1844a: 21; 1844b: 315; 1846: 72). In L sub *Cladopodanthus speciosus* (Dozy & Molk.) M.Fleisch.
Catalogue

Original material:
Java, ad cortices arborum in monte Gédé, *Zippelius*, 910,121-99 = L0060155; HDM description sheet s.n. (holotype).

Isotype not studied by DM:
Java, *Zippelius*, 910,121-140 = L0623497 (with field label).

**Syrrhopodon speciosus** Dozy & Molk. var. *acuminatum* Dozy & Molk., nom. nud. in herb.; In L sub *Cladopodanthus speciosus* (Dozy & Molk.) M.Fleisch.

Original material:
Java, *Zippelius*, 910,88-221 = L0060157; HDM sheet s.n. (specimen; name; diagnosis; collecting data; erroneously annotated by Magill as ‘type’ of *Cladopodanthus pilifer* Dozy & Molk. var. *acuminatus* and as (iso)type? by Enroth).

Note: Has been confused with *Cladopodanthus pilifer* var. *acuminatus*.

**Syrrhopodon subulatus** Sande Lac. (1872: 5). In L sub *S. aristifolius* Mitt.


Original material (syntypes):
Celebes, unknown collector, 910,126-1432 = L0060749 (SL; lectotype, proposed by Iwatsuki, in herb., writing: ‘Specimens from Sumatra and Celebes are different. Based on S. Lacoste’s figures, I would like to designate Celebes specimens as the lectotype of *S. subulatus*’); 910,126-1431 = L0623496 (B ex SL); 910,126-1447 = L0623498.

Sumatra, *Korthals*, 910,126-1433 = L0060748 (drawings by Iwatsuki).

**Syrrhopodon sullivantii** Dozy & Molk. (1856: 58). In L sub *Exostratum sullivantii* (Dozy & Molk.) L.Ellis

Collecting data in DM (1856): Java, legit *Holle*.

Original material:
[Java, *Holle*], 910,110-1431 = L0060228 (SL; holotype; very little material in 3 miniature packets, probably used for the illustration in BJ).


Collecting data in DM (1858): Java, legit *Holle*.

Original material:
Java, *Holle 6*, HLB 910,126-1391 = L0440529 (labelled *Codonoblepharum* n.sp. by M); 910,123-1174 = L0440643.

Mini set s.n.: HLB 910,126-1417 = L0440530; 910,126-1420 = L0440531 (SL).

**Syrrhopodon tubulosus** Sande Lac. (1872: 7). In L sub *Mitthyridium constrictum* (Sull.) H.Rob.


Original material (syntypes):

**Sumatra, Korthals, 910,126-1315 = L0440484.**

*Syrrhopodon vriesei* Sande Lac. (1872: 6). In L sub *Mitthyridium vriesei* (Sande Lac.) H.Rob.

Collecting data in SL (1872): Java, Halmahera, in cortice arborum, *De Vriese*.

Original material (syntypes):

Java, Halmahera, *De Vriese*, 910,123-1186 = L0060526 (SL; annotated as lectotype by Nowak, see note; short description by SL and drawings by Iwatsuki; used for SL’s illustration).

Halmahera, *De Vriese*, 910,123-1254 = L0060527 (SL); 910,123-1268 = L0060525 (SL); 898,134-51 = L0060524 (borrowed by F).

[Not seen: Java, *De Vriese*].

Note: If two collections are concerned the one from Java might be missing, since plants as well as substrates of all samples look identical. Nowak (*Bryophyt. Biblioth.* 20: 152. 1980) wrote that she designated ‘the specimen from Halmahera in L’ as lectotype, but she added a lectotype label to the specimen from ‘Java, Halmahera’.

**Thamnium ambiguum** Bosch & Sande Lac. in Dozy & Molk. (1863: 72). In L sub *Pinnatella ambigua* (Bosch & Sande Lac.) M.Fleisch.


Original material:

Sumatra, Padang, *Wiltens*, 910,110-1488 = L0060595 (SL; holotype); 910,110-1462 = L0060596 (L ex SL); 910,110-1464 = L0060594 (B ex SL).

**Thamnium ambiguum** Bosch & Sande Lac. in Dozy & Molk. var. *javanicum* Bosch & Sande Lac. in Dozy & Molk. (1863: 73). In L sub *Pinnatella ambigua* (Bosch & Sande Lac.) M.Fleisch.


Original material:


**Thamnium kuehlianum** Bosch & Sande Lac. in Dozy & Molk. (1863: 71). In L sub *Pinnatella kuehliana* (Bosch & Sande Lac.) M.Fleisch.


Original material:

Java, m. Pangerango, Tjikoerai, *Kuhl & Van Hasselt*, 910,110-1374 = L0060600 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 89. 2007; cited as...
Catalogue


**Thamnium laxum** Bosch & Sande Lac. in Dozy & Molk. (1863: 72). In L sub *Pinennatella kuehliana* (Bosch & Sande Lac.) M.Fleisch.
Original material (syntypes):
- Sumatra, ad litus occidentale, *Teijsmann*, 910,110-1263 = L0060602 (SL); 910,110-1277 = L0060603 (B ex SL); 910,110-1342 = L0060606.

**Thamnium liguliferum** Bosch & Sande Lac. in Dozy & Molk. (1863: 72). In L sub *Himanthocladium plumula* (Nees) M.Fleisch.
Original material:
- Sumatra, Padang in regione superiore, *Wiltens*, 98,291-46 = L0056997 (SL; holotype; borrowed by F).

**Thuidium bifarium** Bosch & Sande Lac. in Dozy & Molk. (1865: 123). In L sub *Aequatoriella bifaria* (Bosch & Sande Lac.) *Touw*
Original material (syntypes):
- Sumatra, ad litus occidentale, *Teijsmann*, 910,123-1145 = L0057250 (lectotype, designated by *Touw*, J. Hattori Bot. Lab. 91: 62. 2001); 910,123-1191 = L0057248 (SL); 910,123-1217 = L0057249 (SL); 910,123-1258 = L0057253 (SL); 910,123-1273 = L0057247 (SL); 910,123-1198 = L0057251 (B ex SL).
- Sumatra, *Korthals*, 910,123-1267 = L0057252 (the label or the citation ‘Java’ in BJ seem to be erroneous, as this is the only Korthals specimen in L).

**Thuidium bifarium** Bosch & Sande Lac. var. *pertenue* Bosch & Sande Lac. in Dozy & Molk. (1865: 124). In L sub *Indothuidium kiasense* (R.S.Williams) *Touw*
Original material:
- Celebes, Minahassa van Menado, in cortice arborum, 1858–1860, *De Vriese*, 98,291-44 = L0060782 (SL; holotype; borrowed by F); 910,123-1218 = L0060781 (duplicate in L).

**Trachypus blandus** (Harv.) Mitt. var. *thuioides* Bosch & Sande Lac. in Dozy & Molk. (1864: 101). In L sub *Diaphanodon blandus* (Harv.) Ren. & Cardot var. *blandus*

Original material (syntypes):
- Java, *De Vriese*, 910,104-769 = L0623490 (SL).


Collecting data in DM (1844): Java, Borneo.

Original material:
- Java, Patoeha, *Korthals*, 910,104-919 = L0623484; HDM description sheet 1 (1 sample; lectotype, designated by Touw, *Trop. Bryol.* 28: 89. 2007; dedication to Blume, notes on morphology, and compared to *T. exasperatum* and *T. richardii*; additional specimens listed: Zippeius, *Forsten, Von Siebold*).

Sets not studied by DM:

Non-type additional HDM specimens:

Note: The plants on the HDM description sheet are similar to sample 996,290-194 from Mt. Patuha; the Bornean plants are less tall.


Original material:
- Java, aliis muscis admixt. in monte Krintjing, + 6000’, *Zollinger 1540*, 910,88-100 = L0060136 (holotype; SL ex DM; labelled by M).

*Trichostomum neesii* Sande Lac. in Dozy & Molk. (1870: 226); *Didymodon neesii* Bosch & Sande Lac. (1859: 99), non Mitt. In L sub *Macromitrium ochraceum* (Dozy & Molk.) Müll.Hal.

Catalogue

Original material:
[Java], 98,291–22 = L0623480 (SL; holotype; initially identified as *Didymodon neesii* by Mitten; borrowed by F).


Original material:
Sumatra [= Java], *Korthals*, 910,114-892 = L0491438; HDM description sheet 85 (holotype; with penciled additions to the description).

Set not studied by DM:

Note: Reported from Sumatra by DM (1848, 1859), but the indication ‘Sumatra, G. Simpai’ on the set not studied by DM suggests that the plants are from G. Simpai in Java. The only other Malesian specimen I know was collected by Fleischer (1902: 130) at Cibodas, W. Java.

**Webera hampeana** Bosch & Sande Lac. in Dozy & Molk. (1861: 137), nom. illeg. incl. spec. prior. (*Bryum brachydontium* Hampe in Müll.Hal., 1848). In L sub *Pohlia flexuosa* W. Hook.

Original material (syntypes):
Java, Merapi, *Junghuhn*, 910,137-1228 = L0623476 (SL ex DM; used for illustration in BJ); 910,137-1201 = L0623475.
Java, 910,137-1238 = L0623474 (B ex DM).
Mini set s.n.: Java, 910,137-1239 = L0623473 (B ex DM).
[Not seen: Origin unknown, *Teijssmann* (DM)].

Note: Samples 910,137-1201, 910,137-1228, and 910,137-1238 had been identified initially as *Bryum* (*Webera*) *brachydontium* Hampe ex p.

**Webera leptocarpa** Bosch & Sande Lac. in Dozy & Molk. (1861: 136); *Bryum elongatum* Dozy & Molk. (1845: 23), hom. illeg. In L sub *Pohlia leptocarpa* (Bosch & Sande Lac.) Broth.

Original material:
Borneo, *Korthals*, 910,137-1183 = L0623472; HDM description sheet 79 (lacking diagnosis and description); 910,137-1184 = L0623471 (SL); 910,137-1187 = L0623470 (SL); 910,137-1188 = L0623469; 910,137-1190 = L0623468 (used for illustration in BJ).

Note: all sets except no. 910,137-1187 had been identified initially as *Bryum elongatum* Dicks.
**Zygodon affinis** Dozy & Molk. ex Bosch & Sande Lac. in Dozy & Molk. (1859: 107). In L sub *Z. intermedius* Bruch & Schimp.


Original material:

Mini set s.n.: 910,139-2172 = L0399640 (B; collecting data copied from BJ).

Isotypes?
.No data: 910,139-2167 = L0623463 (SL); 910,139-2169 = L0623462 (SL).

**Zygodon anomalum** [*= anomalus*] Dozy & Molk. (1844a: 22; 1844b: 316; 1846: 92). In L sub *Z. reinwardtii* (Hornsch.) A.Braun


Original material:
.Java, *Korthals*, 910,139-2158 = L0399611; HDM description sheet s.n. (holotype; with notes on morphology).

Sets not studied by DM:
.Java, *[Korthals]*, 910,139-2154 = L0399610 (SL; analyzed by Malta); 898,134-57 = L0629326 (borrowed by F).

Note: Both Malta (Latv. Univ. Bot. Darza Darbi, Riga 1: 118. 1926) and Lewinsky (Lindbergia 15: 136. 1990) observed that the material they examined consisted of a mixture of *Z. tetragonostomus* A.Braun and *Z. reinwardtii* (Hornsch.) A.Braun. Lewinsky commented that ‘the name thus has to be rejected and should not be listed as a synonym of either’. This matter remains unsettled until the identity of the holotype is established.
Ph.F. von Siebold presented Japanese mosses to Dozy and Molkenboer, who also borrowed specimens he had deposited in L. The latter are marked by an HDM label. Von Siebold did collect himself during his first visit to Japan (1823–1829), but he also received material presented by Japanese collectors. From 1832 onwards he received Japanese bryophytes in Leiden, as packing material of living ornamental plants sent to his nursery. Between 1844 and 1854 Dozy and Molkenboer published one new genus (*Leptohymenium* Dozy & Molk.) and six new species from Japan.

For his treatment in Miquel’s *Prolusio florae japonicae* (1866–1867), Van der Sande Lacoste examined all Japanese mosses available in the Netherlands, thereby including Von Siebold specimens received after the death of Dozy and Molkenboer and specimens in L collected by H. Bürger (1825–1832, 1834–1835, assistant to Ph.F. von Siebold), C.J. Textor (1843–1844, assistant at the Dutch factory for trade with Japan), and J.L.C. Pompe van Meerdervoort (1857–1863, a naval physician who played an outstanding role in the westernization of Japanese medicine). Nearly all specimens are labelled ‘Japan’ only, making it difficult for us to decide whether specimens are originals or not. For this reason I have refrained from proposing lectotypes here. Van der Sande Lacoste described one new genus (*Dozya* Sande Lac.) and thirteen new species, including two already recognized but not published by Dozy and Molkenboer. In addition to type specimens the additional ones cited by Van der Sande Lacoste (l.c.) are also listed below.

**Barbula emarginata** Dozy & Molk. (1844a: 2; 1844b: 299; 1846: 50). In L sub *Tortula muralis* Hedw.


Original material:

Japan, comm. *Von Siebold*, 910,133-1450 = L0367848, HDM description sheet (holotype; 1 sample; notes in Dutch on differences between *B. emarginata* and *B. muralis*).

Isotypes?:

Japan, comm. *Von Siebold*, 910,133-1449 = L0101448 (SL); 910,133-1445 = L0101449.

Additional material:


**Dozya japonica** Sande Lac. (1866: 296)

Collecting data in SL (1866): plantas paucas legit *Textor*.

Original material:

Japan, *Textor*, 910,107-1089 = L0423567 (holotype; labelled by SL; with herbarium name by M).

Additional material:
Japan, comm. Von Siebold, 910,107-1129 = L0101394, parts of HDM sheet (fragmentary specimen, with herbarium name and notes in Dutch by M); 910,107-1086 = L0101391 (SL); 910,107-1087 = L0101392; 910,107-1088 = L0101393.

**Fissidens japonicus** Dozy & Molk. (1854b: 313). In L sub *Fissidens nobilis* Griff.
Original material (syntypes):
- Japan, [leg. Von Siebold], 910,115-547 = L0423529 (DM); 98,291-16, 17 = L0423584 (DM; borrowed by F); 910,115-557 = L0572119 (SL ex DM); 910,115-538 = L0572118 and 910,115-540 = L0572117 (both distributed by M).
- Japan, Von Siebold, 910,115-528 = L0423525 (SL; labelled by M); 910,115-558 = L0423533 (labelled by M).
- ‘Java’ (printed label), 910,114-1125 = L0624013 (Junghuhn).
- Mini set No. 8: Japan, 910,115-548 = L0423528 (SL ex DM); 910,115-514 = L0423532 (ex DM).

**Homalia apiculata** Dozy & Molk. ex Sande Lac. (1866: 296). In L sub *Neckeropsis nitidula* (Mitt.) M.Fleisch.
Collecting data in SL (1866): sterilem legerunt Siebold, Textor.
Original material (syntypes):
Notes: Initially, DM labelled their specimens *F. filicinus* Dozy & Molk. Junghuhn may have received his specimen from Von Siebold.

**Homalothecium laevisetum** Sande Lac. (1866: 298)
Collecting data in SL (1866): Legit Textor copioso fructiferum.
Original material:

**Homalothecium laevisetum** Sande Lac. (1866: 298)
Collecting data in SL (1866): Legit Textor copioso fructiferum.
Original material:
- Japan, Textor, 910,126-322 = L0063525 (SL; cited as holotype by Hoffmann, Lindbergia 23: 143. 1998); 910,126-320 = L0329496.
**Hookeria apiculata** Wijk et al., Index Muscorum 2: 473. 1962, nom. inval., err. pro *Homalia apiculata* Dozy & Molk. ex Sande Lac.


**Leucobryum scabrum** Sande Lac. (1866: 292) Collecting data in SL (1866): specimina paucita legit Siebold. Original material: Japan, Von Siebold, 910,139-1645 = L0059233 (labelled ‘holotype’ in herb. and cited as such by Yamaguchi et al., 2003); 910,139-1646 = L0101405.


Second original: see next item. Note: Von Siebold presented material of both species concerned to Dozy and Molkenboer. In addition, they received a single specimen of *M. ferriei* on loan from L. Whether the specimens of *M. japonicum* listed here represent a single collection cannot be established.

**Macromitrium japonicum** Dozy & Molk. (1844a: 16; 1844b: 311), ex parte. In L sub *M. ferriet* Cardot & Thér.

Original material (ex parte):

Japan, comm. *Von Siebold*, 910,139-1600 = L0059768, HDM description sheet (with drawings by Noguchi). Identification altered by Noguchi (J. Hattori Bot. Lab. 30: 205–230. 1967), who observed that the description and illustrations on the sheet relate to *M. japonicum*, whereas the plants belong to *M. ferriei*.

Second original: see previous item.

Additional specimens in herb. DM:

No collecting data, ‘*Macromitrium* No. 1’, 910,138-767 = L0572116 (loose plants and draft of description written by Dozy).

Japan, 910,140-591 = L0572115 (DM; with annotations by SL [translated here]: ‘This species will not be included in *Bryol. jav.*’ and by draughtsman Kouwels: ‘Alas! Such a waste of effort’).

Note: The additional specimens cited are not isotypes, because Dozy and Molkenboer had to return all material borrowed from L. They probably distributed material of *M. ferriei*, which may have led to the misinterpretation of *M. japonicum* in Müller’s *Synopsis muscorum* (1849), already noted by Van der Sande Lacoste (1866).

*Mnium microphyllum* Dozy & Molk. (1846: 26) In L sub *Trachycystis microphylla* (Dozy & Molk.) Lindb.

Collecting data in DM (1846): collegit *Von Siebold*.

Original material:

Japan, *Von Siebold*, 910,140-607 = L0367849 (five samples of several collections and label written by M); 910,140-594 = L0367850 (small sample and sheet with penciled concept of description, written by M).

Isotype?: Japan, *Von Siebold*, 910,139-2918 = L0367851.


Collecting data in SL (1866): capsules haud perfecte matures legerunt *Textor, Siebold*.

Original material (syntypes):


*Pseudoleskea latifolia* Sande Lac. 1866: 297. In L sub *Haplocladium microphyllum* (Hedw.) Broth.

Collecting data in SL (1866): cum fructu legerunt *Textor, Buerger*.

Original material (syntypes):


*Racomitrium japonicum* Dozy & Molk. (1848: 130)

Collecting data in DM (1848): collegit *Von Siebold*.

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Original material:
  Japan, comm. *Von Siebold*, 910,115-715 = L0059220, HDM description sheet (holotype; with added L set labelled by a clerk).

*Rhizogonium dozyanum* Sande Lac. (1866: 295-1866). In L sub *Pyrrhobryum dozyanum* (Sande Lac.) Manuel
Original material (syntypes?):
  Japan, circa Jedo, comm. *Von Siebold*, 910,119-1508 = L0101434 (fragments of sheet with HDM label and 2 packets containing a few stems, initially identified by M as *Hypnum mnioides*).
  Japan, comm. *Von Siebold*, 910,119-1501 = L0101432 (four specimens on small sheets, three with Japanese writing, one also marked ‘Jedo, K [Keiske Ito?]’); 910,119-1504 = L0101431.
Note: SL (1866) specified material from Jedo (Tokyo) only, but he identified all specimens listed and he probably did not mean to exclude those labelled ‘Japan’ only.

*Rhynchostegium textorii* Sande Lac. (1866: 299). In L sub *Pseudotaxiphyllum pohliaecarpum* (Sull. & Lesq.) Z.Iwats.
Collecting data in SL (1866): in Hiugo e rupibus montis Kimbosan, *Siebold, Textor*.
Original material:
  Japan, in Hiogo ad rupes montis Kinbosan, *Von Siebold, Textor*, 910,134-2028 = L0572113 (SL); 910,134-2014 = L0572112 (2 small sets and original label ‘in Hiogo auf den Berg Kinbosan auf Felsen’).

*Thamnium plicatum* Sande Lac. (1866: 299). In L sub *Thamnobryum plicatum* (Sande Lac.) Z.Iwats., 1972
Collecting data in SL (1866): specimina feminea florentia legit *Siebold*.
Original material:

*Thamnium subseriatum* Mitt. ex Sande Lac. (1866: 299); *Neckera subseriata* Dozy & Molk. in Sande Lac., nom. nud., in synon.; *Thamnium sandei* Besch., nom. superfl. In L sub *Thamnobryum subseriatum* (Mitten ex Sande Lac.) B.C.Tan
Collecting data in SL (1866): plantas femineas steriles invenerunt *Siebold, Itoo Keiske, Pompe van Meerdervoort*.
Original material (syntypes):
  Japan, *Von Siebold*, 910,131-88 = L0059229 (mixed with *T. sandei* Besch. var. *imbricatum* (Nog.) Nog. & Iwats.); 910,131-162 = L0101445 (labelled by M); 910,131-182 = L0366917 (labelled by M).
Japan, [Von Siebold], 910,131-78 = L0572109; 910,131-108 = L0101442; 910,131-139 = L0572103; 910,131-161 = L0101444; 910,131-171 = L0572106; 910,131-172 = L0101441; 910,131-173 = L0572104; 910,131-181 = L0572105; 910,131-183 = L0572107 (all labelled by M).

Note: See Tan (Brittonia 4: 41–43. 1989) for a discussion on nomenclatural and taxonomic problems relating to the present species and T. subseriatum (W.Hook.) Nog. & Z.Iwats.

**Thuidium japonicum** Dozy & Molk. ex Sande Lac. (1866: 297), ex parte. In L sub T. cymbifolium (Dozy & Molk.) Dozy & Molk.


Original material (ex parte):

Remaining originals: see next item.

**Thuidium japonicum** Dozy & Molk. ex Sande Lac. (1866: 297), ex parte. In L sub T. kanedae Sakurai


Original material (ex parte, syntypes):
Japan, Bürger, 910,132-1590 = L0057264 (mixed with T. cymbifolium (Dozy & Molk.) Dozy & Molk.).
Japan, Keiske Ito?, 910,132-1586 = L0329523.
Japan, Pompe van Meerdervoort, 942.208-240 = L0060780; 910,132-1589 = L0057263 (mixed with T. cymbifolium).
Japan, Von Siebold, 979,256-695 = 910,132-1585, ex parte = L0059227.
Japan, [Von Siebold?], 910,132-561 = L0572108.
Japan, Textor, 910,132-1592 = L0060779; 005,001-842 = L0367855 (SL).

**Thuidium molkenboeri** Sande Lac. (1866: 298). In L sub Bryonoguchia molkenboeri (Sande Lac.) Z.Iwats. & H.Inoue

Collecting data in SL (1866): reportavit Siebold.

Original material:

**Webera brevicolla** [=brevicollis] Sande Lac. (1866: 294). In L sub Pohlia flexuosa W.Hook.

Collecting data in SL (1866): legit Siebold.

Original material:
Japan, comm. Von Siebold, 909,342-243 = L0101426, HDM description sheet (specimen on sheet and additional packet lacking identification, labelled by M); 909,341-437 = L0101425 (2 sets, one from SL).
In their prodrome of Surinam bryophytes Dozy and Molkenboer (1854c) published fifteen new species, based on specimens received from Miquel (leg. Van Beek Vollenhoven) and on Splitgerber collections in the herbarium of Leiden Academy. In addition they published six new Venezuelan mosses collected by their old friend P.W. Korthals and by R.F.C. van Lansberge, Dutch consul-general for Central-America at Caracas and future governor-general of Surinam.

**Arthrocormus pulvinatus** Dozy & Molk. (1854: 6). In L sub *Octoblepharum pulvinatum* (Dozy & Molk.) Mitt.
Original material:

**Bryum lansbergii** Dozy & Molk. (1854: 40). In L sub *B. nitens* W.Hook.
Original material:

**Campylostelium venezuelanum** Dozy & Molk. (1854: 38). In L sub *Dicranella venezuelana* (Dozy & Molk.) W.R.Buck
Collecting data in DM (1854): prope Caracas Venezuelae, ubi collegit doctissimus *P.W. Korthals*.
Original material:
Venezuela, *Korthals*, 910,90-197 = L0623456 (SL ex DM); [Korthals], 910.90-198 = L0623457 (Korthals).

**Fissidens splitgerberianus** Dozy & Molk. (1854: 4). In L sub *F. submarginatus* Bruch.
Original material (syntypes):

**Hookeria divaricata** Dozy & Molk. (1854: 49). In L sub *Lepilopilidium divaricatum* (Dozy & Molk.) Broth.
Original material:

**Hypnum surinamense** Dozy & Molk. (1854: 25). In L sub *Vesicularia vesicularis* (Schwägr.) Broth.
Original material (syntypes):
[Not seen: Surinam, *Splitgerber* in L; cited as type by Veling, l.c.].

**Meteorium macranthum** Dozy & Molk. (1854: 47). In L sub *Squamidium nigricans* (W. Hook.) Broth.
Original material (isotypes):
Venezuela, 910,109-885 = L0623454 (K, with herbarium name written by M); 910,109-882 = L0623455 (SL ex DM); 910,109-879 = L0623453 (SL ex DM).

**Meteorium penicillatum** Dozy & Molk. (1854: 45). In L sub *Cryptoapillaria penicillata* (Dozy & Molk.) Menzel
Original material:
Venezuela, 910,144-467 = L0623452 (SL ex DM); 910,144-479 = L0353762.

**Neckera korthalsiana** Dozy & Molk. (1854: 42). In L sub *Porotrichum korthalsianum* (Dozy & Molk.) Mitt.
Original material (syntypes?):
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Note: A terrestrial habitat seems unlikely, since most Neckeraeae grow on rocks or tree trunks.

*Schlotheimia surinamensis* Wijk et al., non Dozy & Molk. (Ind. musc. 4: 368. 1967), nom. inval., err. pro *Syrrhopodon surinamensis* Dozy & Molk.

*Syrrhopodon cryptocarpos* Dozy & Molk. (1854: 14). In L sub *Chameleion cryptocarpos* (Dozy & Molk.) L.Ellis & A.Eddy
Original material:
Suriname, *Van Beek Vollenhoven*, comm. Miquel, 910,125-314 = L0060703 (SL ex DM; isotype, mixed with *S. incompletus* Schwägr.).
Note: Lectotype in U, selected by Florschütz (The mosses of Suriname. Leiden. 1964).

*Syrrhopodon surinamensis* Dozy & Molk. (1854: 25). In L sub *S. hornschuchii* Mart.
Original material:
Surinam, *Van Beek Vollenhoven*, ex parte (U, comm. DM, mixed with *S. cryptocarpos* Dozy & Molk.)
Surinam, comm. Miquel, 910,125-363 = L0060750 (SL ex DM); 910,125-1009 = L0623448 (SL ex DM, labeled by M).
Suriname (U, 2 sets, comm. DM).
Note: Florschütz (The mosses of Suriname. 1964) may not have recognized Molkenboer’s writing on the labels in L, since he did not mention these sets and only cited a set in U as ‘type’.

GENERAL REFERENCES

Sande Lacoste, C.M. van der. 1872. Species novae vel ineditae muscorum archipelagici indici. Amsterdam.
Identification of Indonesian collecting localities (G. = Gunung = Mount).

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