

**Original specimens kept in the Nationaal Herbarium
Nederland (Universiteit Leiden Branch)
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**

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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.L

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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 and

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 TYPIIFICATION 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*, *Calymperes 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	<i>Bryologia javanica</i> (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 web site 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 Oorschoot (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

Collecting data in DM (1851): Ad arbores pendulum in Javae monte Slamata, altitudine 4–6000 pedem. (*Junghuhn* in Herb. Acad. Lugd. Bat.).

Original material:

Java, G. Slamata, 4–6000'. Ellenlang van de takken der boomen ahangend; twee papieren vol, *Junghuhn* 21, 909,188-236 = L0624223 (lectotype, designated by Touw, Trop. Bryol. 28: 81. 2007; master set c.sp., with *Junghuhn* labels).

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 been labelled *Meteorium junghuhnii*.

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

Collecting data in DM (1844): Borneo. DM (1846): Borneo, in arborum cortice, *Korthals*; Java, in terra humosa summi montis Gédé, *Zippelius*.

Original material:

Borneo, *Korthals*, 910,88-251 = L0060165; HDM description sheet 41 (holotype, with diagnosis of *Astrodonium*; 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 summo 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 *Astrodonium 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.

Collecting data in DM (1844): Amboina. DM (1846): Amboina, in solo calcareo, *Zippelius*.

Original material:

Amboina, in solo calcareo Amboinensi 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)

Collecting data in DM (1844): Java. DM (1846): Java, in terra nuda summi montis
Gédé, *Zippelius*.

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

Collecting data in DM (1844): Java. DM (1846): Java, in horto Bogoriensi, *Kort-*
hals; Amboina, in solo calcareo, intermixto *Bryo coronato*, *Zippelius*.

Original material:

Java, in horto Bogoriensi caespitose crescentem, *Korthals*, 910,114-1394 =
L0060340; HDM description sheet 84 (holotype; notes in Dutch on mor-
phology; identification altered to *Hyophila involuta* by Saito, confirmed by
Sollman; additional specimen listed: *Zippelius*).

Non-type additional HDM specimens:

Amboina, *Zippelius*, 910,114-940 = 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:

Java, in monte Sallak, *Kuhl & Van Hasselt*, 910,104-861 = L0624215; HDM
description sheet s.n. (holotype; cited as lectotype by Koponen & Norris,
Acta Bot. Fennica 156: 10. 1996).

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.

Note: Previously lectotypified by Virtanen and Koponen (Cryptogamie, Bryol. Lichénol. 19: 332. 1998), without specifying a set.

Bartramia secunda Dozy & Molk. var. *perwaktiana* Dozy & Molk. (1854b: 333). See *B. prabaktiana* Dozy & Molk.

Brachymenium coarctatum Bosch & Sande Lac. in Dozy & Molk. (1861: 140)

Collecting data in DM (1861): Java, prope Jogjakarta 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 vernicosae*; 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* Hpe 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:

Java, in silvis Merapi merid., saxicolam, 3–4000', Apr., *Junghuhn*, 898,129-11 = 910,137-1084 = L0624206 (lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; cited as type by Ochi, J. Fac. Educ. Tottori Univ, Nat. Sci. 19: 28. 1968; initially labelled *Bryum (Pohlia) brachydontium* nov. spec.; set

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.

Collecting data in DM (1844): Java. DM (1845): Java, in fissuris corticis arborum putrescentium in summo monte Gede, *Zippelius*.

Original material:

Java, ad fissuras corticis arborum putrescentium in summo 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.

Collecting data in DM (1844): Java, Sumatra. DM (1845): Java: in monte Patoeha et Simpai, *Korthals*; Sumatra: caespitose in terra, *Korthals*.

Original material:

In insulis Java et Sumatra: G. Simpai, Patoeha, *Korthals*, 909,340-909 = L0627973; HDM description sheet 29a (lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; 1 sample; name replacing an unpublished name in *Leptohymenium*).

Sets not studied by DM:

Java, in m. Patoeha, *Korthals*, '27a', 909,340-918 = L0623965 (3 sets, one from SL).

Java, G. Simpai, *Korthals*; 909,340-951 = L0623964.

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.

Collecting data in DM (1861): Java, Trogon in regione vulcani montis Gedé ad arborum radices, *Zippelius*; *Korthals* in herb. reg. Lugd. Bat.

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*).

Amboina, in solo calcareo inter *Br. coronatum*, *Zippelius*, 909,340-1000 = L0623962 (bottom part of HDM sheet 29; with penciled collecting data); 909,340-948 = L0623963 (HDM). 909,340-931 = L0623961 (HDM).

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)

Collecting data in DM (1861): Java, inter *Entosthodontem Javanicum* et in latere septentrionali montis Merbaboe altit. 7000', m. Novembri cum fructu vetusto, admixtum *Campylopodii* sterile, *Junghuhn*.

Original material:

Java, inter *Entosthodontem Javanicum* et in latere septentrionali montis Merbaboe altit. 7000' m. Novembri cum fructu vetusto, admixtum *Campylopodii* sterili, *Junghuhn*, 910,080-141 = 898,129-19 = L0624193 (several small packets, one borrowed by F; initially identified as *B. pachythea* Müll.Hal., written by M).

Java, In latere sept. montis Merbaboe, altit. 7000', *Junghuhn*, 910,89-142 = L0624194 (initially labelled *Bryum pachythea* Müll. by M; Merbaboe, 910,080-143 = L0624195 (SL; labelled *Bryum pachythea* Müll. by SL and *Bryum junghuhnianum* Hpe herb. by Hampe).

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

Collecting data in DM (1844): Java. DM (1845): Java, in terra caespitose, *Blume*.

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 leveilleianum Dozy & Molk. (1845: 18). In L sub *B. plumosum* Dozy & Molk.

Collecting data in DM (1845): Java, cum praecedente specie [*B. plumosum*] promiscue collegit *Korthals*.

Original material:

[Not seen: Java, cum precedente specie promiscue collegit *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 *Korthals* specimen).

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

Bryum plumosum Dozy & Molk. (1844a: 3; 1844b: 301; 1845: 16); *B. apiculatum* Dozy & Molk. (1845: 16), non Schwägr.

Collecting data in DM (1844): Java. DM (1845): Java, in terra late caespitosum, *Korthals*.

Original material:

[Not seen: Java, in terra late caespitosum, *Korthals*, 910,80-113 (type, fide Ochi, *Hikobia* 5: 8. 1967)].

Sets not studied by DM:

Java, [*Korthals*?], 910,80-114 = L0624186; 910,80-167 = L0623332.

Non-type additional HDM specimen:

Java, *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 *B. plumosum*. They are among loan 6036 to H. Mohamed (Kuala Lumpur, 1980).

Bryum plumosum Dozy & Molk. var. *elongatum* Dozy & Molk. (1861: 144)

Collecting data in DM (1861): [Java,] *Junghuhn*, *Teysmann*.

Original material (syntypes):

Java, in Prov. Medibii monte Ungarang alt. 3–4000', Apr.–Jun., cum *Hypno intorquato*; Merbabu in truncis, Majo, *Junghuhn*, 910,80-108 = L0624185 (labelled *B. plumosum* by M).

[Not seen: Sumatra, *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 *B. plumosum* by a clerk, altered to *B. plumosum* var. *elongatum*).

Bryum plumosum Dozy & Molk. var. *majus* Hampe ex Bosch & Sande Lac. in Dozy & Molk. (1861: 144)

Collecting data in DM (1861): Java, *Teysmann* in herb. Dz. et Mb.

Original material:

Java, *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* α *majus*, *foliis latiorib. 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* [= *sandei*]** Dozy & Molk. (1844a: 4; 1844b: 301; 1845: 21)

Collecting data in DM (1844): Java. DM (1845): Java, in monte Megamendong, *Kühl et v. Hasselt, Korthals*.

Original material (syntypes):

[Not seen: Java, *Korthals*, 910,82-111; HDM sheet 106 (lectotype, designated by Ochi, *J.Jap. Bot.* 46: 123. 1971)].

[Not seen: Java, in m. Megamendong, *Kuhl & Van Hasselt*].

Set not studied by DM:

Java, in m. Megamendong, *Kuhl & Van Hasselt*, 910,82-113= L0624180.

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

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

Collecting data in SL (1872): Celebes, in cortice arborum, herb. Lugd. Bat. — In insulis Philippinis legit Dr. C. Semper (herb. Hampe).

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, [*Teysmann*], 910,82-157= L0624177 (holotype; SL ex DM; master set and 1 mini set).

Mini set s.n., [Java, *Teysmann*], 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, aan boomstammen aan d. NW. afhelling des G. Salak bij Bogor, ca. 1200' hoog, 8.4.1860, *Amann* [= *Kurz*] 63, 910,88-31 = L0624173 (SL).

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*.

Calymperes hampei Dozy & Molk. (1856: 48). In L sub *C. erosum* Müll.Hal.
Collecting data in DM (1856): Java, legit *Teysmann*.

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

Collecting data in SL (1872): Borneo, Laboean, *Motley* in herb. Mitten.

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).

Calymperes motleii [= *motleyi*] Mitt. ex Dozy & Molk. (1856: 48). In L sub: *C. motleyi* Mitt.

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.

Collecting data in DM (1844): Java. DM (1846): Java, in monte Simpai ad arborum truncos, *Korthals*.

Original material:

Sumatra [= Java], in monte Simpai, *Korthals*, 910,110-1161 = L0624124; HDM description sheet s.n. (holotype).

Sets not studied by DM:

Sumatra [= Java], Simpai, *Korthals*, 910,110-1158 = L0624123 (‘57’); 910,110-1160 = L0624122; 910,110-1155 = L0624121.

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)

Collecting data in DM (1859): Java, in summos monte Gedé, unde communicavit vir. nob. *Rochussen*; *Van Gesker* in herb. De Vriese; in monte Mandalawangi ad arborum truncos vulgatissimus, altit. 9200', admixtus *C. Blumii*, *Junghuhn*.

Original material (syntypes):

Java, Mandalawangie, in arborum truncis pulvinatum, vulgatissimum, 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).

Java, in monte Gédé, comm. *Rochussen*, 910,88-347 = L0624118; 910,88-348 = L0624117; 910,88-349 = L0624115 (all: SL ex DM); 910,88-345 = L0624116 (DM); 910,88-354 = L0624119 (ex DM).

Java, summo monte Gédé, *Van Gesker* in herb. De Vriese, 910,88-352 = L0624114 (DM).

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)

Collecting data in SL (1872): Java, in monte Pangerango, *Zippelius*.

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).

Java, *Junghuhn*, 910,88-429 = L0624113 (L).

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 fleischerianum* W. Schultze-Motel

Collecting data in DM (1848): Java, in montibus Gédé, Salak, Megamendong, *Zippelius*; Borneo, collegit *Korthals*.

Original material (syntypes):

Borneo, *Korthals*, 910,88-411 = L0056990; HDM sheet 31 (1 sample; initially identified as *Dicranum flexuosum* Hedw. β *fragile* Schwägr.; collecting data; additional specimen listed: *Zippelius*, Gédé, Sallak, Megamendong).

Java, in montibus Gédé, Sallak, Megamendong, *Zippelius*, 910,88-409 = L0056989 (HDM; annotated as lectotype by Tan, in herb.; *Zippelius* label with unpublished name).

Sets not studied by DM:

Borneo, [*Korthals*], 910,88-410 = L0624108 (initially identified as *Dicranum flexuosum* Hedw. β *fragile* 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 Aprili, *Junghuhn*, 910,88-90 = L0060134 (annotated as type by Burley, in herb.); 910,88-93 = L0624095.

Java, in regione cataractarum montis Merbabu, in truncos, mense Majo, *Junghuhn*, 910,88.89 = L0060135 (annotated as type by Burley, in herb.); 910,88-91 = L0624094.

Note: Burley & Pritchard (Harvard Pap. Bot. 2: 17–76.1990) did not select a lectotype and erroneously listed Dozy and Molkenboer as collectors.

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

Collecting data in DM (1863): Ceram, *De Vriese*.

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)

Collecting data in DM (1862): Java, in sylvis montis Tjerimai altit. 5–7000', fructu mens. Aug. et in monte Slammat, altit. 4–6000', *Junghuhn*.

Original material (syntypes):

Java, in monte Slammat 4–6000', inter *Aerobryum speciosum*, [*Junghuhn*], 910,88-67 = L0060142 (lectotype, designated by Akiyama & Suleiman, Hikobia 13: 508. 2001).

Java, in sylvis m. Tjerimai, 5–7000', Aug., *Junghuhn*, 898,130-2 = L0060139 (borrowed by F).

[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)

Collecting data in DM (1862): Java, *Zippelius* mens. Decembr. 1828 legit; *Teysmann*.

Original material (syntypes):

Java, in m. Gedé, *Zippelius*, Dec. 1826 [not 1828, as cited in *BJ*], 910,88-122 = 898,130-6 = L0060145 (with Zippelius label; borrowed by F).

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)

Collecting data in DM (1863): Java, *Teysmann*.

Original material:

Java, [*Teijsmann?*], 910,88-308 = L0094491 (SL ex DM; lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; used for illustration in *BJ*); 910,88-129 = L0624089 (SL ex DM); 910,88-130 = L0624088 (SL ex DM).

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

Collecting data in DM (1863): Java, *Blume*.

Original material:

Java, *Blume*, 898,130-8 = L0060146 (lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; duplicate borrowed by F and large sample with parts separated for illustration in *BJ*); 910,88-281 = L0094496 (SL).

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 (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)

Collecting data in DM (1863): Java, *Teysmann*.

Original material:

Java, *Teijsmann*, 1858, 98,291-42 = L0094486 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; used for illustration in *BJ*; borrowed by F); 910,88-230 = L0094487 (SL, 'in m. Gedé et Salak').

Chaetomitrium torquescens Bosch & Sande Lac. in Dozy & Molk. (1862: 47)

Collecting data in DM (1862): Ceram, ad ramulos arborum, *De Vriese*.

Original material:

Ceram, 1858–1860, *De Vriese*, 910,88-202 = L0094489 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; illustrated in *BJ*); 898,130-10 = L0094488 (set borrowed by F).

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:

Ceram, 1858–1860, *De Vriese*, 910,88-206 = L0060153 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; used for illustration in *BJ*); 898,130-11 = L0094495 (SL; set borrowed by F).

Cladomnion pallens Sande Lac. (1872: 12). In L sub *Hampeella pallens* (Sande Lac.) M.Fleisch.

Collecting data in SL (1872): Java, *De Vriese*; Djati Kalangan altitudine 875 pedem, *Junghuhn*.

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:

Java, *Korthals*, 98,291-37 ex p. = L0060300 (c.sp.); 910,88-219 = L0621911 (SL; sporogone only).

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.

Ref. : Hattaway, R. 1984. A monograph of the Ptychomniaceae (Bryaceae). Unpublished PhD thesis, Pennsylvania State University.

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:

Java, ad arbores in m. Gedé, *Zippelius*, 910,88-239 = L0060156 (3 sets, including one from SL; in 1991 annotated by Magill 'probable type of *C. pilifer*' and cited by him as holotype in *Bryologist* 96: 233–241.1993).

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.

Collecting data in Fleischer (1904: 156): *Holle*, Depock bei Batavia.

Original material (holotype):

Java, Depok, *Holle*, 910,88-240 = L0624087 (SL ex DM, labelled *Cladopodanthus pilifer* by M).

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 *Syr-rhodon speciosus* (see there).

Codonoblepharum undulatum Dozy & Molk. (1844a: 4; 1844b: 301; 1846: 96). In L sub *Mitthyridium undulatum* (Dozy & Molk.) Robins.

Collecting data in DM (1844): Java, Borneo, Sumatra. DM (1846): Java, supra arborum cortices, *Korthals*. Borneo, ad arbores juxta Martapoera, *Korthals*. Sumatra, ad arbores juxta flumen Batang-Bessie, *Korthals*.

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'):

Sumatra, Padang Bessie, leg. *Korthals*, '51', HLB 910,123-1253 = L0064537

(previously designated as lectotype by Nowak, Bryophyt. Biblioth. 20: 121. 1980).

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

Collecting data in DM (1844): Borneo. DM (1846): Borneo, late corticem arborum investiens una cum *Macromitrii* specie juxta Martapoera, *Korthals*.

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:

Borneo, pr. Martapoera, *Korthals*, 910,88-279 = L0624085; [*Korthals*], '63a', 910,88-269 = L0624086.

Cyathophorum parvifolium Bosch & Sande Lac. in Dozy & Molk. (1861: 5)

Collecting data in DM (1861): Java, in monte Gedé, *Teysmann*; in monte Megamendong alt. 4–6000', *Motley* (comm. Mitten)

Original material (syntypes):

Java, in monte Megamendong, *Motley*, 910,88-160 = L0624084 (SL; lectotype, designated by Kruijer, *Blumea* Suppl. 13: 349. 2002; labelled by Mitten, using an unpublished name).

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.

Collecting data in DM (1861): insula Bima [= Sumbawa] in m. Padjo altit. 4–6000', *Zollinger*; ad litus occidentale insulae Sumatra, *Teysmann*.

Original material (syntypes):

Java [= Sumbawa], *Zollinger*, 98,291-53 = L0624078 (lectotype, designated by Kruijer, *Blumea* Suppl. 13: 349. 2002; SL; labelled by Molkenboer, with correction of the initial identification *Hookeria spinosa* Müll.Hal. to *H. spinosa* Dz. et Mb., nom. nud., hom. illeg.).

Sumatra, *Teijsmann*, 910,88-161 = L0624077 (SL).

Daltonia angustifolia Dozy & Molk. (1844a: 5; 1844b: 302; 1846: 31)

Collecting data in DM (1844): Borneo. DM (1846): Borneo, ad ramos arborum et in terra caespitose crescens, *Korthals*.

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, designated by Klazenga, J. Hattori Bot. Lab. 87: 71. 1999).

Java, comm. *Rochussen*, 909,186-178 = L0063583 (SL ex DM).

[Not seen: Java, comm. *Holle*. — Java, ad arbores vetustas secus paludes montis Gédé mense Februario fructificans, *Zippelius*. — Java, herb. Al Braun.]

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)
 Collecting data in DM (1858): Java, Herb. Al. Braun.
 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):
 Sumatra, *Teijsmann*, 909,186-126 = L0063592 (SL; lectotype, designated by Klazenga, J. Hattori Bot. Lab. 87: 79. 1999); 909,186-166 = L0092725.
 [Not seen: Java, *Teijsmann*]
 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).

Dicranum reinwardtii Dozy & Molk. (1844a: 6; 1844b: 303; 1848: 151). In L sub *Symblepharis reinwardtii* (Dozy & Molk.) Mitt.
 Collecting data in DM (1844): Java, Borneo. DM (1848): Java, rarius in altiore parte montis Gédé ad truncos, mense Februario fructificans, *Zippelius*; in monte Gédé, *Van Gesker* in Hb. De Vriese; Borneo, collegit *Korthals*.
 Original material (syntypes):
 Borneo, *Korthals*; Java, monte Gédé, *Van Gesker* in herb. De Vriese, 910,126-1730 = L057231; HDM description sheet 80 (2 samples, one labelled (leg. *Van Gesker*); dedication to their teacher C.F.G. Reinwardt; notes on diagnostic characters; additional specimen listed: *Zippelius*; sheet labelled *Dicranum reinwardtii* Dz. & M., *Gyrophyllum reinwardtii* Dz. & M., *Dicranum tortifolium* A.Br.).

Java, *Van Gesker*, 910,126-1727 = L0623951 (hb. De Vriese); 910,126-1742 = L0623952 (SL), 910,126-1752 = L0623950.

Sets not studied by DM:

Borneo, *Korthals*, '80', 910,126-1751 = L0057230; 910,126-1756 = L0057229.

Non-type additional HDM specimen:

Java, in altioribus montis Gédé ad arborum truncos (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 *Symblepharis 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.

Collecting data in DM (1854a): Java, *Bryo Decaisnei* admixtum *Zoll. Nro. 2100*.

Original material:

Java, ad arbores in monte Semiru, 5000', *Zollinger 2100*, 98,291-21 = L0060576 (SL ex DM; lectotype, designated by Touw, Trop. Bryol. 28: 82. 2007; set with Zollinger label, borrowed by F); 910,137-1232 = L0060575 (SL).

Diphyscium mucronifolium Mitt. ex Dozy & Molk. (1854: 35)

Collecting data in DM (1854): Laboan, Borneo; ad rupes humidus in rivulo Sungei Dinding, prope Tanjong Kubong legit *Motley*.

Original material:

Labuan, ad rupes arenosas humidus 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 humidus, *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).

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

Collecting data in DM (1862): Java, *Teysmann* (comm. nob. Rochussen), *Holle*; ad truncos arborum prope Toegoe pr. Bogor altit. 4000', *Amann*.

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*).

Java, ad truncos arborum in monte prope Toegoe prov. Bogor, altit. 4000', 22.2.1861, *Amann* [= *Kurz*], 910,104-699 = L0624067 (SL).

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

Collecting data in DM (1854a): Java, *Zollinger* sine nro., ad arbores m. Salak.

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 nigricaulis 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):

Java, *Teijsmann*, 910,104-655 = L0624063 (SL).

[Not seen: Java, in monte Pangerango, 7–10,000', *Motley* in NY-Mitten; lectotype, designated by Tan & Robinson, *Smithsonian Contrib. Bot.* 75: 20. 1990].

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

Collecting data in DM (1862): Java, Herb. reg. Lugd. Bat. et Dz. et Mb.; ad frondes cum *Cephalomanis Javanici* a *Teysmann* in monte Gedé lecti, tum *C. Zollingeri*, quod in insula Banca legit *J. Amann*, parasiticum decerpisimus.

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 truncos in altioribus locis montis Gédé, *Zippelius*, *Korthals*; Sumatra: ad arborum truncos, *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; previously 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 truncos 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 truncos, *Korthals*; Java, ad arborum truncos in altioribus locis montis Gédé, *Zippelius*, *Korthals*.

Original material:

Sumatra, *Korthals*, 909,187-65 = L0624056; HDM description sheet 72 (holotype; additional specimen listed: *Zippelius*).

Sets not studied by DM:

Sumatra, *Korthals*, 909,187-67 = L0624054 ('72'); 909,187-124 = L0624055 (borrowed by F).

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

Entosthodon buseanus Dozy & Molk. var. ***robustior*** Dozy & Molk. (1854: 31); *Entosthodon dozyanus* Müll.Hal., Bot. Zeit. 14: 210. 1856. In L sub *Funaria dozyana* (Müll. Hal.) Broth.

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*).

Entosthodon javanicus Dozy & Molk. (1854b: 321). In L sub *E. physcomitrioides* (Mont.) Mitt. (fide Ochi, J. Jap. Bot. 20: 17.1968)

Collecting data in DM (1854b): Java, in terra inter alias muscorum species humiles, *Jungh.*

Original material:

[Java, *Junghuhn*], 910,110-982 = L0624045 (SL ex DM; lectotype, designated by Touw, Trop. Bryol. 28: 83. 2007; 2 mini sets No. 24 labelled by Dozy and packet labelled 'opercula' by M); Java, *Junghuhn*, 910,110-974 = L0624044 (herb. Junghuhn).

Mini set 24, [Java, *Junghuhn*], 910,110-971 = L0624043 (B); 910,110-981 = L0624042; 910,110-982 = L0624045 (SL).

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)

Collecting data in DM (1844): Java. DM (1846): Java, in monte Tjikoerai, *Korthals*; ad basin arborum montis Gédé, in fissuris corticis, *Zippelius*.

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:

Java, Tjikoerai, [*Korthals*], 910,110-1209 = L0624034 ('23'); 910,110-1213 = L0624035 (SL).

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.

Collecting data in SL (1872): Celebes in provincia Menado, *De Vriese*.

Original material:

Celebes, *De Vriese*, 910,110-1192 = L0060243 (holotype; SL).

Fissidens ceylonensis Dozy & Molk. (1844a: 7; 1844b: 304; 1854: 4)

Collecting data in DM (1844): Ceylon. DM (1855): Ceylon, in declivibus, ubi in solo argillaceo, *König* (herb. reg. Lugd. Bat.; only specimen available in or before 1844).

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):

Java, in declivibus sept. m. Salak prope Bogor, altit. 2500', 13.5.1860, *Kurz* 79, 910,114-902 = L0060234 (SL; lectotype, designated by Iwatsuki & Suzuki, J. Hattori Bot. Lab. 43: 396. 1977); 910,114-1211 = L0624032 (SL); 898,130-35 = L0624033 (set borrowed by F).

Java, ad declives argillaceas fl. Tjidanie pr. Buitenzorg [= Bogor], 22.1.1860, *Kurz* 46, 910,114-1205 = L0624028 (SL).

Banca, in argillosis prope Batoeroesak, 1.7.1858, *Kurz*, 910,114-1206 = L0060235 (SL); 910,114-904 = L0624031 (SL); 910,114-901 = L0624030.

Banca, Muntok, op thonigen grond, 9.1857, *Amann* [= *Kurz*], 910,114-1207 = L0624029 (SL).

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):

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.

Collecting data in DM (1844): Java. DM (1854): ubi in summo monte Gedokan colligerunt *Kühl* et *Van Hasselt*.

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);

Java, *Kuhl & Van Hasselt*, 910,114-1106 = L0624020.

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, *Teijsmann*, 910,114-960 = L0060240 (SL ex DM; lectotype, designated by Touw, *Trop. Bryol.* 28: 83. 2007; cited as type by Iwatsuki, *J. Hattori Bot. Lab.* 32: 273. 1969).

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:

Java, *Holle 13*, 910,114-1081 = L0060242 (SL ex DM; holotype).

Mini set 4, [Java, *Holle*], 910,114-1171 = L0060241 (B and L; 2 sets, one with collecting data copied from *BJ*); 938,93-371 = L0624014.

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

Fissidens javanicus Dozy & Molk. (1854: 11)

Collecting data in DM (1854): Java, *Teysmann* in herb. Dz. et Mb.

Original material?:

[Java, *Teijsmann*], 910,114-1124 = L0624011 (holotype?; SL; labelled by M 'Fissidens fol. sublinearia, opaca, an *ceylonensis* calyptra'; annotated by SL [translated:] 'probably what Dozy described and illustrated as *Fissidens javanicus* Dz. et Mb.).

Note: Fleischer's interpretation of *F. javanicus* was based on a Kurz specimen collected after the death of Dozy and Molkenboer.

Fissidens pachyloma Sande Lac. (1872: 1), hom. illeg., non Müll.Hal. (1864). In L sub *F. schmidii* Müll.Hal.

Collecting data in SL (1872): Java in montibus Gedé et Salak, *Hasskarl*; in monte Pangerango altitudine 7–9000 pedem una cum *F. papilloso*, *De Vriese*.

Original material (syntypes):

Java, in m. Gedé et Salak, *Hasskarl*, 910,114-1065 = L0624008 (SL).

Java, in m. Pangerango, alt. 7–9000', *De Vriese*, 910,114-1055 = L0624009 (SL); 910,114-1114 = L0624010 (SL).

Fissidens papillosus Sande Lac. (1872: 1)

Collecting data in SL (1872): Java, leg. *Junghuhn*; in monte Pangerango altitudine 7–9000 pedem in ligno putrido, *De Vriese*.

Original material (syntypes):

Java, in m. Pangerango, altit. 7–9000', *De Vriese*, 910,114-988 = L0060252 (SL; lectotype, designated by Iwatsuki, J. Hattori Bot. Lab. 32: 312. 1969); 98,291-18 = L0624007 (SL; set borrowed by F).

[Not seen: Java, *Junghuhn*].

Fissidens punctulatus Sande Lac. (1872: 2)

Collecting data in SL (1872): Saparoea, *De Vriese*.

Original material:

(Moluccas,) Saparoea, 1858–1860, *De Vriese*, 910,114-1054 = L0058502 (holotype; SL).

Fissidens teysmannianus Dozy & Molk. (1854b: 317)

Collecting data in DM (1854b): Java, unde benevole communicavit amic. *Teysmann*; ibidem aliis muscis admixtus, *Jungh.*

Original material (syntypes):

Java, *Teijsmann*, 910,114-1041 = L0060257 (SL ex DM, labelled by M; lectotype, designated by Li Zhi-hua and Z. Iwatsuki in Li Xing-jiang et al., Moss flora of China, English edition 2: 63. 2001). Java, inter alios muscos, *Junghuhn*, 910,114-1028 = L0060258; 910,114-1030 = L0060259 (SL ex DM).

Mini set 5, [Java], 910,114-1029 = L0623311 (3 sets).

Fissidens zippelianus Dozy & Molk. (1854a: 29). In L sub *F. sylvaticus* auct non. Griff.

Collecting data in DM (1854a): Java, ubi primus legit *Zippelius*. — *Barbulae inflexae* Duby admixtum ad rivulum prope Bantar Pété, *Zoll. Nro. 1537*.

Original material (syntypes):

[Not seen: Java, *Zippelius*. Java, *Barbulae inflexae* admixtum ad rivulum porpe Bantar Pété, *Zollinger 1537*].

Note: Iwatsuki & Suzuki (J. Hattori Bot. Lab. 43: 400.1977) cited *Zippelius 3750* from Java (910,114-922) as lectotype. I could not find this specimen, nor any numbered *Zippelius* collection. The number might relate to a *Zollinger* collection made during his second voyage (1855–1859), but *Zollinger 3750* was not found either.

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*

Collecting data in DM (1864): Ceram, in sylvis orae meridionalis, *De Vriese*.

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.

Collecting data in DM (1844): Sumatra.

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.

Collecting data in DM (1844): Java. DM (1845): Java, fructum evolvit mense Martii ad pedem arborum vetustiorum in montibus Gédé et Salak, *Zippelius*.

Original material:

Java, ad pedem arborum vetustiorum in montibus Gédé et Salak, mense februario 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:

Java, montes Gédé et Salak, *Zippelius*, 909,340-945 = L0623939; [*Zippelius*], 909,340-939 = L0623941; Java, *Zippelius*, 909,340-873 = L0623940.

Holomitrium enerve Dozy & Molk. (1844a: 8; 1844b: 304; 1845: 8). In L sub *Braunfelsia enervis* (Dozy & Molk.) Par.

Collecting data in DM (1844): Java. DM (1845): in locis paludosis montis Gédé, *Zippelius*.

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:

Java, in m. Gédé, *Zippelius*, 909,340-957 = L0623936; [Gédé], 909,340-895 = L0623937; 909,340-896 = L0623938.

Holomitrium javanicum Dozy & Molk. ex Bosch & Sande Lac. in Dozy & Molk. (1859: 86)

Collecting data in DM (1859): Java, unde communicavit expertissimus *Teysmann* in Herb. Dz. et Mb.

Original material:

Java, *Teijsmann*, 910,123-976 = L0060311 (B ex SL); [*Teijsmann*], 910,123-1118 = L0109936 (SL ex DM); [Java, *Teijsmann*], 910,123-1109 = L0109935 (permanent slide of male plant, labelled by M).

[Not seen: original material borrowed by M. Price, Geneva (loan 10661, 2000)].

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

Collecting data in DM (1863): Sumatra; prov. Padang in regione superiore, *Andrée Wiltens*. In Moluccarum insula Halmaheira, *De Vriese*.

Original material (syntypes):

Sumatra, Padang, *Wiltens*, 910,122-1159 = L0060757 (SL).

[Not seen: Halmaheira, *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 *Homali dendron exiguum* (Bosch & Sande Lac.) M.Fleisch.

Collecting data in DM (1863): Java, *De Vriese*; in montibus Gedé et Salak, *Teysmann*; in m. Pangerango, *Kühl* et *Van Hasselt*; in m. Tjikoerai, *Korthals*. Sumatra, *Teysmann*; prov. Padang in regione superiore, *Andrée Wiltens*; Batang-Bessie, *Korthals*. Borneo, *Korthals*. Celebes; in regno Menado, *De Vriese*.

Original material (syntypes):

Celebes, in prov. Menado, *De Vriese*, 1858–1860, 910,123-1104 = L0056998 (SL; lectotype, designated by Tran Ninh, J. Hattori Bot. Lab. 57: 12. 1984).

Java, *De Vriese*, 910,123-975 = L0060324 (SL).

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.

Collecting data in DM (1863): Ceram, *De Vriese*.

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.

Collecting data in DM (1844): Sumatra, Java. DM (1846): Java, prope Limbang,
Zippelius, *Korthals*. Sumatra, in arborum cortice juxta flumen Batang-Bessie,
Korthals.

Original material:

Sumatra, Padang Bessie, [Java,] Limbang [= Lembang], in cortice arborum,
Korthals, 910,104-674 = L0623925; HDM description sheet 86 (1 sample;
 lectotype, designated by Touw, *Trop. Bryol.* 28: 83. 2007; additional speci-
 men listed: *Zippelius*).

Sets not studied by DM:

Sumatra, Padang Bessie, *Korthals*, '86', 910,104-715 = L0623924.

Java, Limbang [= Lembang], *Korthals*, '86', 910,104-688 = L0623923.

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.

Collecting data in DM (1844): Borneo. DM (1846): Boeroe insulae arbores habi-
 tans, *Zippelius*.

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').

Note: Erroneously cited as a Bornean species by DM (1844) and by Akiyama &
 Suleiman, *Hikobia* 13: 491-509. 2001. *Zippelius* has not visited Borneo.

Hookeria macropus Dozy & Molk. (1862: 41), nom. nud. in synon. of *Lepido-*
pilum 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.

Collecting data in DM (1844): Sumatra. DM (1846): Sumatra, in arborum cortice, *Korthals*.

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:

Sumatra, *Korthals*, 910,88-293 = L0064319 ('37', SL); 910,88-291 = L0064320; 910,88-223 = L0060148 (SL); [*Korthals*], 910,88-227 = L0060147.

Non-type additional HDM specimens:

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

[Java], *Zippelius*, 910,88-226 = L0623336; 910,88-294 = L0623337 (HDM).

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

Collecting data in DM (1844): Sumatra. DM (1846): Sumatra, in monte Singalang, *Korthals*.

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 Rapangdungan [= Papandayan], *Kuhl & Van Hasselt*, 910,104-925 = L0623304 HDM).

Hymenodon angustifolius Sande Lac. (1872: 8)

Collecting data in SL (1872): Celebes ad caudices Palmarum, herb. Lugd. Bat.

Original material:

Celebes, 910,114-995 = L0623918 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 83. 2007); 910,114-994 = L0623917; 910,114-932 = L0623916 (B).

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

Collecting data in DM (1867): Java, in prov. Samarang prope Medicinie in m. Oengarang altit. 3–4000', m. April. c. fructu, *Junghuhn*.

Original material:

Java, in prov. Samarang, prope Medicinie in m. Oengarang [= Ungaran], altit. 3–4000', *Junghuhn*, 898,132-20 = L0002415 (SL; holotype; borrowed by F).

Java, *Junghuhn*, 910,120-72 = L0623915 (B ex SL).

Hypnum arquifolium Bosch & Sande Lac. in Dozy & Molk. (1868: 186). In L sub *Pseudotaxiphyllum arquifolium* (Bosch & Sande Lac.) Z. Iwats.

Collecting data in DM (1868): Java, prope Depok, *Holle*. Amboina, *De Vriese*.

Original material (syntypes):

Amboina, inter *Pogonatum cirratum*, *De Vriese*, 898, 132-22 = L0623914 (SL; lectotype, designated by Iwatsuki, J. Hattori Bot. Lab. 63: 449. 1987; partly borrowed by F).

Java, prope Depok, *Holle* 58, 910, 132-1048 = L0623912 (SL); 910, 132-1041 = L0623913 (DM).

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:

Java, unknown collector, 910, 132-980 = L0623264 (SL ex DM; 'Affine *H. hamato* et *leptocarpo*. Operculum brevissime rostrata', written by SL).

Sumatra, *Korthals*, 910, 132-981 = L0623981; 910, 132-1622 = L0623258 (both: SL).

Borneo, *Korthals*, 910, 132-727 = L0623260; 910, 132-979 = L0623261; 910, 132-1001 = L0623262 (all: SL).

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-roesak, *Kurz*.

Original material:

Banca, in sylvis prope Batoe-roesak, ad pedem arbori vetustorum, 6.1858, *Kurz*, 910, 132-1037 = L0060371 (SL); 910, 132-1038 = L0060372 (SL).

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:

Java, in m. Salak, altit. 5500', in truncis, *Kurz* 139, 17.7.1860, 910, 121-20 = L0060161 (SL; lectotype, designated by O'Shea, Tropical Bryology 18: 100. 2000); *Kurz s.n.*, 910, 121-21 = L0060160.

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.

Collecting data in DM (1869): Java, *Korthals*; in m. Salak altit. 5500', *Kurz*; in m. Pangerango altit. 5000' in sylvis obscuris, in m. Slamati altit. 4–6000', in m. Wayang altit. 7000', *Junghuhn*.

Original material (syntypes):

Java, in sylvis umbrosis m. Pangerango altit. 5000', *Junghuhn*; 910,122-1092 = L0057095 (DM; lectotype, designated by Tan, Willdenowia 24: 270. 1994; labelled by a clerk, listing in identical writing *Hypnum Braunii* β *oxyporon* Lac. and *Hypnum oxyporon* Lac. Annotated by Hampe 'Gehört zu den *Cuspidaria*, zunächst *H. strepsiphyllum* Montagne, aber die Gruppe ist zahlreich und nur in vollkommenen Zustände sicher zu unterscheiden - Ich glaube es ist am besten unvollständiges vorläufig zurück zulassen').

Java, in monte Slamati altit. 4–6000', *Junghuhn*, 910,122-1046 = L0623905.

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.

Collecting data in DM (1844): Sumatra. DM (Musci frondosi fasc. 7, ined.): Sumatra, in planitie Padang-Bessie collegit P.W. *Korthals*.

Original material:

Sumatra, Padang-Bessie, *Korthals*, 910,122-1066 = L0057197; HDM description sheet s.n. (holotype).

Sets not studied by DM:

Sumatra, Padang-Bessie, *Korthals*, 910,122-1053 = L0057198; [Padang-Bessie], 910,122-1116 = L0057199; 910,122-1040 = L0057200 (SL).

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.

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):

Java, ad ramos arborum ad monte Salak, 6500', 18.7.1860, *Kurz 179*, 910,122-1050 = L0623904 (SL, 'Tab. 304B'); 910,122-1117 = L0623903 (SL, 'Tab. 304B'); 910,122-1102 = L0623902 (*s.n.*); 910,122-1095 = L0623900 (*s.n.*; B ex SL). Java, *Junghuhn*, 910,122-1081 = L0623901 (SL).

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

Collecting data in Dozy & Molk. (1867): Celebes, herb. Lugd. Bat.; in prov. Menado, *De Vriese*.

Original material (syntypes):

Celebes, 999,306-031 = L0623892; 910,120-45 = L0088433 (SL). Lectotype in H, designated by Ignatov et al., *Acta Bot. Fennica* 165: 64. 1999). Celebes, 1858–1860, *De Vriese*, 910,120-90 = L0623891; 910,120-76 = L0088434 (SL; used for illustration in *BJ*).

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:

Java, ad arbores prope Toegoe, c. 3000', 21.2.1861, *Kurz*, 898,291-49 = L0623890 (SL; lectotype, designated by Touw, *Trop. Bryol.* 28: 83. 2007; master set and duplicate borrowed by F); 910,114-1326 = L0623889 (SL; small duplicate).

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

Collecting data in DM (1869): Java, *Blume* in herb. Al. Braun; Limbang, in m. Malabar, *Korthals*. Borneo, *Korthals*.

Original material (syntypes):

Java, Limbang [= Lembang], m. Malabar, *Korthals*, 910,122-1067 = L0057088 (SL; lectotype, designated by Tan, *Willdenowia* 24: 263. 1994); 910,122-1047 = L0057091.

Borneo, *Korthals*, 910,122-1101 = L0057090 (SL); 910,122-1084 = L0057089.
[Not seen: Java, *Blume* in herb. Al. Braun].

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

Hypnum cuculligerum Sande Lac. in Dozy & Molke (1870: 218). In L sub *Clastobryum cuculligerum* (Sande Lac.) Tixier

Collecting data in DM (1870): Java, *Teysmann*.

Original material:

Java, leg. *Teijsmann*, 910,122-1070 = L0060162 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 83. 2007; used for illustration in *BJ*); 898,133-1 = 910,122-1121 = L0060159; set borrowed by F); [*Teijsmann*], 910,122-1055 = L0060158 (SL ex DM).

Hypnum cymbifolium Dozy & Molke. (1844a: 10). In L sub *Thuidium cymbifolium* (Dozy & Molke.) Dozy & Molke.

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:

Sumatra et Java, *Korthals*, 910,123-2559 = L0057273; HDM description sheet 58a (1 sample; lectotype, designated by Touw, Trop. Bryol. 28: 83. 2007; additional specimens listed: *Zippelius*, *Von Siebold*, *Blume*, *Kuhl* & *Van Hasselt*).

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, Harriang, m. Oct., *Kuhl* & *Van Hasselt*, 910,123-1143 (HDM).

Java, ad pedem montis Sallak, *Blume*, 910,131-2577 = L0623299; 910,131-2578 = L0623300.

Java, in montosis, Febrero, *Zippelius*, 910,131-2580 = L0623301 (HDM); 910,123-1128 = L0623298; 910,123-2538 (mixed with *Thuidium pristocalyx* (Müll. Hal.) A. Jaeger var. *samoanum* (Mitt.) Touw).

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 lectotyped *Hypnum cymbifolium* by specimen 910,131-2564, a set not studied by DM.

Hypnum decrescens Sande Lac. in Dozy & Molke. (1867: 168). In L sub *Ectropocheiella decrescens* (Sande Lac.) M. Fleisch.

Collecting data in DM (1867): Celebes, herb. Lugd. Bat.

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.

Collecting data in DM (1867): Celebes, herb. Lugd. Bat. (sterile). In insula Luzon, in Cordilleris occidentalibus altit. 15–2000', m. Jul. 1860 etiam legit doct. *Semper* cum fructu.

Original material (syntypes):

Luzon, Cordillera, altit. 1500–2000', 7 jul. 1860, *Semper*, 910,132-719 = L0623886 (SL; lectotype, designated by Touw, *Trop. Bryol.* 28: 83. 2007).

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

Collecting data in DM (1844): Sumatra, Borneo, Java. DM (1869, specimens available to DM in 1844): Java, in m. Patoeha et Papandayang, *Korthals*. Borneo: *Korthals*.

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:

Java, in m. Patoeha, *Korthals*, 910,109-391 = L0623878 (SL); 910,109-485 = L0623879; 942,147-16 = L0623880; 910,109-362 = L0623881; male specimens. Borneo, *Korthals*, 910,109-368 = L0623877 (SL, used for illustration in *BJ*); 910,109-299 = L0623876; specimens c. sp.

Original material?:

No collecting data, 910,109-300 ex p.= L 0623882; HDM sheet 25b (2 specimens; additional specimens listed: *Zippelius*, *Von Siebold*, *Forsten*, *Blume*; labelled on reverse *Hypnum falciforme* Dz. et Mb., altered to '*conf. H. hyalinum*' written by M, and '*Hypnum ochron* Schw.? *conf. determ. Hampe*', written by Dozy).

Non-type additional HDM specimens:

Amboina, vulgatum per omnes montes in terra per totum annum, *Zippelius*, 910,109-299a = L0623297 (HDM, with *Zippelius* label).

Celebes, in ore montis ignivomi Batoe-Angoes, *Forsten*, 910,109-392 = L0623296 (HDM); 910,109-390 = L0623295 (SL).

[Not seen: Java, *Blume*. — Japan, *Von Siebold*.]

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, Trop. Bryol. 28: 84. 2007; cited as holotype by Nishimura, J. Hattori Bot. Lab. 58: 42. 1985; used for illustration in *BJ*); 910,126-1792 = L0623873 (B ex SL); Celebes, Krater Batoe Angoes, inter *Hypno falciforme* Dozy & Molk., *Forsten*, 910,126-1577 = L0623875.

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*; with observations by SL; 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 truncos 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 truncos 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 *Radulina 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:

Borneo et Sumatra, Padang-Bessie, in arborum truncis, Korthals; HDM sheet 66, 910,137-1052 = L0488080; lectotype, designated by Touw, Trop. Bryol. 28: 84. 2007, cited as holotype by O'Shea, Trop. Bryol. 27: 30. 2006; 1 sample glued onto the sheet, 1 small packet with loose parts, 1 small, empty packet labelled 'operculum'; analytic drawings lacking; with penciled note '? *H. scaberulum* Mtgne p. 633 Hook. Lond. Journal of Botany').

Sets not studied by DM:

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 hornschurchii Dozy et Molk. (1844a: 11; 1844b: 307), hom. illeg., non Hampe (1844). Substituted by *H. pseudotanytrichum* Dozy & Molk. (1866). In L sub *Wijkia hornschurchii* (M.Fleisch.) Crum

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, Papandayang, *Korthals*, 910,109-282 = L0623848; ?910,109-400 = L0623852 (SL, initially misidentified as *H. falciforme*).

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

Sumatra, *Korthals*, 910,110-320 = L0623855; 910,110-306 = L0623854 (SL).

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, Febrero 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

Collecting data in DM (1867): Banca, in sylvis prope Batoeroesak m. Jul. 1858 legit *Kurz*.

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).

Hypnum kickxianum Dozy & Molk. (1868: 180), nom. nud. in synonym of *Hypnum scaturiginum* Brid. In L sub *Vesicularia subscaturiginosa* M.Fleisch.

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:

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* descripsit in London Journ. of Bot. p. 633').

Sets not studied by DM (both annotated *Hypnum lancifolium* C. Müll. by SL):

Sumatra, *Korthals*, 910,104-953. Borneo, *Korthals*, 910,104-733.

Possibly original material not studied by DM:

Java [?], 910,104-959 (annotated *Hypnum lancifolium* C. Müll.). Wrapping and writing similar to the *Korthals* specimen from Sumatra, but collector's name is missing.

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 rupes calcareas Kuripan, *Zoll. Nro. 1510*; ad arbores montis Semeroe altit. 4000', *Zoll. Nro. 2309*.

Original material:

Java, ad rupes calcareas Kuripan, *Zollinger 1810*, 910,131-2405 = L0060783 (SL ex DM; lectotype, designated by Watanabe, J. Jap. Bot. 62: 90. 1987; with *Zollinger* label).

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 = L0060837 (SL; lectotype, designated by Touw, *Trop. Bryol.* 28: 84. 2007; with drawings by Iwatsuki); 910,110-372 = L0094480.

Hypnum leptocarpum Bosch & Sande Lac. in Dozy & Molk. (1868: 178), hom. illeg., non Schwägr. (1827). In L sub *Rhaphidostichum leptocarpum* M.Fleisch. (Musci Buitenzorg: 1308. 1923)

Collecting data in DM (1868): Java, prov. Buitenzorg (sub titulo *Leskea cirrhifolia* Mont.), herb. Miquel; in m. Megamendong, *Kuhl* et *Van Hasselt*.

Original material (syntypes):

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

Java, in m. Megamendong, *Kuhl* & *Van Hasselt*, 910,114-1453 = L0623573.

Note: Fleischer (l.c.) discussed the taxonomic and nomenclatural confusion between *Hypnum leptocarpum* 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 leptocarpum* Schwägr.

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

Collecting data in DM (1867): Java, *Teysmann*.

Original material:

Java, *Teysmann*, 910,110-1162 = L0060514 (lectotype, designated by Touw, *Trop. Bryol.* 28: 84. 2007; cited as type by Nishimura, *J. Hattori Bot. Lab.* 58: 74. 1985); 910,110-1204 = L0623843 (SL ex DM; master set, labelled by M); 910,110-1135 = L0623842 (SL ex DM; used for illustration in *BJ*); 910,110-1206 = L0623841 (SL); 910,110-1205 = L0623844 (B ex SL).

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

Collecting data in DM (1867): Java, *Blume* in herb. Al. Braun, *Holle*; in m. Gedé et Salak, *Teysmann*; in m. Salak latere septentrionali altit. 1200', *Kurz*; in m. Oengarang altit. 3–4000', *Junghuhn*. Ceram, Saparoea, *De Vriese*.

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).

Java, in m. Oengarang [= Ungaran] altit. 3–4000', *Junghuhn*, 910,132-1619 = L0474261 (SL).

Saparoea, *De Vriese*, 910,132-1623 = L0533420 (SL).

Ceram, ad ramulos arborum, *De Vriese*, 910,132-1620 = L0474264 (SL).

[Not seen: Java, *Blume* in herb. Al. Braun. Java, *Holle*].

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 afhankelijk; 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.):

Java, *Korthals*; Sumatra: in planitie Padang-Bessie, *Korthals*.

Original material:

Java et Sumatra, Padang-Bessie, *Korthals*, 910,122-1080 = L0623934; HDM description sheet s.n. (1 sample; lectotype, designated by Touw, Trop. Bryol. 28: 84. 2007).

Sets not studied by DM:

Java, *Korthals*, 910,122-1071 = L0623837 (SL).

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 *Rhynchoستيgiella menadensis* (Sande Lac.) E.B. Bartram

Collecting data in DM (1867): Celebes, in prov. Menado, *De Vriese*.

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 *Semato-phyllum 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:

Borneo, *Korthals*, 910,137-1010 = L0623832; 910,137-1013 = L0623833 (SL).

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

Collecting data in DM (1868): Java; in m. Malabar, *Korthals*; Sumatra, *Korthals*; Banca, inter Klappa et Prang in sylvis, *Kurz*.

Original material (syntypes):

Java, in m. Malabar, *Korthals*, 910,132-971 = L0060839 (lectotype, designated by Touw, Trop. Bryol. 28: 85. 2007; with drawings marked 'holotype' by Iwatsuki).

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).

Hypnum monoicum Sande Lac. in Dozy & Molk. (1869: 207). In L sub *Acroporium stramineum* (Reinw. & Hornsch.) M.Fleisch. (det. Tan, 1992); previously sub *Acroporium hermaphroditum* (Müll.Hal.) M.Fleisch.

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*].

Hypnum muelleri Sande Lac. in Dozy & Molk. (1867: 162), hom. illeg., non Müll.Hal. & Hampe (1855). In L sub *Platyhypnidium muelleri* (A.Jaeger) M.Fleisch.

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.

Sumatra, prov. Padang, *Wiltens*, 910,120-60 = L0623823 (SL).

Syntype?:

Java, 910,120-4 = L0623821 (B ex SL).

Hypnum oxyrrhynchum Dozy & Molk. (1844a: 12; 1844b: 308). In L sub *Cirriphyllum oxyrrhynchum* (Dozy & Molk.) M.Fleisch.

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. polyrrhizon* 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 *Rhyncho-
stegium javanicum* (Bél.) Besch.

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

Original material:

Java et Sumatra, Padang Bessie, *Korthals*, 910,120-22 = L 0623815; HDM description sheet 95 (lectotype, designated by Touw, *Trop. Bryol.* 28: 85. 2007; labelled *Hypnum pellucidum* Dz. & M. and *H. javanicum* Bélang.?).

Sets not studied by DM:

Sumatra, Padang Bessie, [*Korthals*], '95', 898,133-4 = L0623817 (labelled *H. pellucidum* Dz. & Mb. and in different writing *Hypnum javanicum* Bél.; borrowed by F).

Java, [*Korthals*], 910,120-101 = L0623816 (packet similar to 898,133-4 and identically labelled).

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:

Sumatra, Padang Bessie, *Korthals*, '59', 910,123-2384 = L0060786.

Sumatra [= Borneo], Karrau [= Sungei Karau], *Korthals*, '59', 910,131-2475 = L0060785 (erroneously designated as lectotype by Touw & Falter-Van den Haak, *J. Hattori Bot. Lab.* 67: 35. 1989).

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.

Collecting data in DM (1867): Java, *Korthals*; in m. Gedé et Salak, *Teysmann*.

Original material (syntypes):

Java, in m. Gedé et Salak, *Teijsmann*, 910,123-1132 = L0060171 (SL; designated as lectotype by Nishimura, J. Hattori Bot. Lab. 58: 48. 1985; used for illustration in *BJ*); 910,123-1181 = L0623811 (SL); 942,147-138 = L0623812 (SL); 910,123-1195 = L0623814 (SL; used for illustration in *BJ*); 910,123-1197 = L0623813 (B ex SL).

Java, *Korthals*, 910,123-1208 = L0623810 (questionable; found among *C. polychaetum*, with unpublished name by SL).

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:

Java, in montanis, lapidibus adpressis, 2. 1827, leg. *Zippelius*, 910,132-1643 = L0060280 (with *Zippelius* label); 910,132-1673 = L0060279 (SL).

Hypnum pseudotanytrichum Dozy & Molk. (1866: 150), nom. nov.; *H. hornschuchii* Dozy & Molk., hom. illeg. In L sub *Wijkia hornschuchii* (M.Fleisch.) Crum.

Collecting data in DM (1844): Java. DM (Musci frondosi fasc. 7, ined.): Java, in monte Gédé a *Van Gesker* lectum communicavit vir clar. W.H. de Vriese.

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.

Collecting data in DM (1844): Java. DM (Musci frondosi fasc. 7, ined.): Java, prope Bogor in lapidibus humidis et in monte Megamendong ad arborum cortices collegerunt *Kuhl* et *Van Hasselt*; sine loco natali, *Blume*.

Original material:

Java, prope Buitenzorg [= Bogor] in lapidibus humidis et in monte Magdedon [corrected to Megamedon, and in *BJ* to Megamendong] ad cortices arborum, *Kuhl* & *Van Hasselt*, 910,110-438 = L0094483; HDM description sheet s.n. (holotype).

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):

Java, *Blume*, 910,110-394 = L0623290 (HDM).

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

Collecting data in DM (1866): Java, herb. Al. Braun, *Junghuhn*; infra cacumen m. Gedokan, *Kuhl* et *Van Hasselt*; in m. Salak, altit. 4000', *Zollinger* coll. No. 1733.

Original material (syntypes):

[Not seen: Java, *Junghuhn* (lectotype, designated by Akiyama, J. Fac. Sci. Univ. Tokyo, Sect. III, Bot. 15: 238. 1993)].

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 *Trismegistia 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.

Collecting data in DM (1869): Sumatra, *Korthals*. Celebes, herb. Lugd. Bat.

Original material (syntypes):

Sumatra, *Korthals*; 910,122-1244 = L0057096 (SL; designated as lectotype by Tan, *Willdenowia* 24: 265. 1994).

Celebes, 910,122-1165 = L0057093 (SL); 898,133-11 = L0057094 (borrowed by F).

Hypnum sigmatodontium Müll. Hal. var. ***elongatum*** Sande Lac. in Dozy & Molk. (1869: 211). In L sub *Acroporium falcifolium* (M. Fleisch.) M. Fleisch.

Collecting data in DM (1869): Java, *Blume* in herb. Al. Braun, *Holle*; in m. Megamendong pr. Toegoe altit. 3-4500', *Kurz*; in sylvis obscuris m. Pangerango altit. 5000', *Junghuhn*. Sumatra, *Teysmann*.

Original material (syntypes):

Borneo, in m. Sakoembang, *Korthals*, 910,122.1221 = L0623805; 910,122.1186 = L0623806 (SL).

Celebes, in prov. Menado, *De Vriese*, Iter Indicum 1858-60, 910,122-1149 = L0623803; 910,122-1216 = L0623804 (SL).

Hypnum similans Bosch & Sande Lac. in Dozy & Molk. (1866: 147). In L sub *Glossadelphus similans* (Bosch & Sande Lac.) M. Fleisch.

Collecting data in DM (1866): Java, *De Vriese*; in m. Pangerango ad ramulos arborum, *Kuhl* et *Van Hasselt*; in m. Slammat, altit. 4–6000', Merbaboe, Jati-Kalangan altit. 475', *Junghuhn*.

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.

Java, Slammat, Merbaboe, Jati-Kalangan, 750', *Junghuhn*, 898,133-13 = L0060284 (partly borrowed by F).

[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:

Java, ad truncos vetustos in m. Pangerango altit. 5000', *Kurz* '*Hypn.* 28', 19.2.1861, 910,110-456 = L0623801 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 85. 2007, annotated as holotype by Akiyama and Iwatsuki; used for illustration in *BJ*; with analytic drawings by Iwatsuki); 910,110-431 = L0623802.

Hypnum spirale Zipp. (in Dozy & Molk. 1860: 123), nom. nud., in synonym. of *Macromitrium zippelii* Bosch & Sande Lac. in Dozy & Molk. In L sub *M. incurvifolium* (W. Hook. & Grev.) Schwägr.

Collecting data in DM (1860): Amboina m. Oct. *Zippelius* in herb. reg. Lugd. Bat.

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 strepsiphylum Mont. var. *densum* Sande Lac. in Dozy & Molk. (1869: 210). In L sub *Acroporium strepsiphylum* (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, *Van Gesker*, 910,122-1227 = L0057110 (SL ex DM); [*Van Gesker*], comm. *De Vriese*, 910,122-962 = L0057109 (SL ex DM).

Java, in m. Patoeha, *Korthals*, 910,122-1229 = L0623800 (SL); 910,122-977 = L0057111.

Sumatra [= Java], in m. Simpai, leg. *Korthals*, 910,122-958 = L0057113 ('4'); 910,122-1155 = L0057114 (SL).

[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 pauca imperfecta collegit.

Original material:

Sumatra, *Teysmann*, 98,291-52 = 910,131-2408 = L0060772 (holotype; SL; borrowed by F).

Hypnum teysmannii Sande Lac. in Dozy & Molk. (1868: 192). In L sub *Taxiphylum taxirameum* (Mitt.) M.Fleisch.

Collecting data in DM (1868): Sumatra, *Teysmann*.

Original material:

Sumatra, *Teysmann*, 910,132-982 (SL); 910,132-712 (B ex SL); ad littus occidentale, *Teysmann*, 910,132-990; ad littus occidentale in pede arborum, sterile, *Teysmann*, 910,132-983 = L0060760.

No collecting data, 910,132-713 (SL; a few plants, probably used for illustration in *BJ*).

Hypnum tjwideanum 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 Tjwidei summus, *Junghuhn*, 910,131-2523 = L0623799.

Hypnum trichocladon Dozy & Molk. (1867: 155). In L sub *Isothecium trichocladon* (Dozy & Molk.) M.Fleisch.

Collecting data in DM (1867, specimens available to DM in 1844): Java, *Korthals*, *Junghuhn*, *De Vriese*; prope Depok, *Holle*; in m. Papandayang, *Kuhl* et *Van Hasselt*; in m. Slamit altit. 4–7000', *Junghuhn*. Celebes, Ceram, *De Vriese*. See note.

Original material (syntypes):

Java, in m. Papandayang, *Kuhl* & *Van Hasselt*, 910,110-1284 = L0623792 (SL; designated as lectotype by Ignatov et al., *Acta Bot. Fennica* 165: 67. 1999; labelled by M).

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, Slamit 4–6000', inter *Aerobryum speciosum*, in m. Wayang, 7000', *Junghuhn*, 910,110-1348 = L0623794 (collecting data written by M).

Java, in m. Wayang, 7000', *Junghuhn*, 910,110-1279 = L0623789 (SL).

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):

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:

Java, Sederatoe, *Korthals*; 910,122-975 = L0057123 (SL; used for illustration in *BJ*); [*Korthals*], 910,122-1232 = L0623788.

Sumatra, *Korthals*, 910,122-1204 = L0057121.

Borneo, *Korthals*, 910,122-1234 = L0057128 (SL); [*Korthals*]; 910,122-990 = L0057122.

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.

Hypnum verrucosum Dozy & Molk. (1844a: 14; 1844b: 309). In L sub *Pseudohypnella verrucosa* (Dozy & Molk.) M.Fleisch.

Collecting data in DM (1844): Java.

Original material:

Java, *Blume*, 910,110-340 = L0623786; HDM description sheet s.n. (holotype; with microscope slide).

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.

Collecting data in DM (1844): Amboina. DM (Musci frondosi fasc. 7, ined.): Amboina, collegit *Zippelius*.

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.

Collecting data in DM (1861): Java, in m. Pangerango regione superiore altit. 7–10000', leg. *Motley* (Herb. Mitten); inter specimina *H. struthiopteridis* in m. Gedé lecta, Herb. Dz. et Mb.

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 regione 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, *Holle*, 910,132-1025 = L0171253 (SL ex DM; lectotype, designated by Kruijer, *Blumea* Suppl. 13: 189. 2002).

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).

Java, in m. Gedé et Salak, *Teijsmann*, 910,132-1024 = L0171255 (SL).

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

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

Collecting data in DM (1861): Java, in m. Megamendong altit. 4–6000', *Motley* (Herb. Mitten).

Original material:

[Not seen: Java, in m. Megamendong altit. 4–6000', *Motley* (holotype; not returned from loan in 1898; probably lost). Lectotype in NY-Mitten, designated by Touw, *Trop. Bryol.* 28: 85. 2007; cited as holotype by Kruijer (*Blumea Suppl.* 13: 200. 2002).

Hypopterygium javanicum Dozy & Molk. (1861: 8), nom. nud. in synonym 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.

Hypopterygium medinense Dozy & Molk. (1861: 13), nom. nud. in synonym of *H. tenellum* Müll. Hal. In L sub *H. tamarisci* (Sw.) Brid. ex Müll. Hal.

Collecting data in DM (1861): Java, pr. Medini Prov. Samarang in m. Oengarang [= Ungaran], altit. 3–4000', *Junghuhn*.

Original material:

Java, *Junghuhn*, 910,132-756 = L0064871.

Original material?:

Java, Medinie, Junie [= June], *Junghuhn*, 910,132-730 = L0064873 (Waitz).

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

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

Collecting data in DM (1861): Java, ad arborum truncos pr. Bogor in m. Salak altit. 2000', *Aman*; in Moluccarum insula Halmateira, *De Vriese*.

Original material (syntypes):

Java, in m. Salak pr. Bogor, *Amann* [= *Kurz*] 85, 910,132-755 = L0064883 (SL; designated as lectotype by Kruijer, *Blumea* Suppl. 13: 266. 2002; labelled by Van den Bosch and used for illustration in *BJ*); Java, in declivitate sept. m. Salak altit. 2000', An dicken Stämme [?] am N. Abhang der Salak bei Bogor, 13.5.1860, *Kurz* 85, 910,132-750 = L0064874 (SL).

Halmaheira, *De Vriese*, 910,132-781 = L0064884 (SL); 910,132-782 = L0623787 (SL).

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

Collecting data in DM (1861): Ceram, *De Vriese* (It. Ind. 1858–61).

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. Aprilli, *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.

Collecting data in DM (1862): Sumatra, in monte Simpai ad arborum truncos legit *Korthals*, *Herb. reg. Lugd. Bat.*

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).

Leskia* [= *Leskea*] *falcata Dozy & Molk. (1844a: 15; 1844b: 310; 1848: 176). In L sub *Brotherella falcata* (Dozy & Molk.) M.Fleisch.

Collecting data in DM (1844): Java, Sumatra, Borneo. DM (1848): Java, in mon-

tibus Gédé et Talaga-Bodas, *Korthals*; Borneo, in summo monte Sakoembang, *Korthals*; Sumatra, prope flumen Batang-Bessie, *Korthals*.

Original material (syntypes):

In insulis Borneo, Sumatra, Java: Gédé, Kandangsapie, Talagabodas, top Sakoembang, Padang-Bessie, *Korthals*, 910,114-1159 = L0625345, HDM description sheet 57 (lectotype, designated by Touw, Trop. Bryol. 28: 85. 2007: specimen with associated analytic drawings glued on to page facing the description, labelled by M 'Leskia falcata Dz. & M.').

Sets not studied by DM:

Borneo, *Korthals*, 910,114-1455 = L0625346; 910,114-1158 = L0623762 (labelled *Leskia falcata* and *Hypnum molkenboerianum* CM).

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 synonym of *Meteorium floribundum* (Dozy & Molk.) Dozy & Molk., ex parte. In L sub *Floribundaria floribunda* (Dozy & Molk.) M. Fleisch. var. *minor* (Müll. Hal.) M. Fleisch.

Original material:

Java, in monte Sallak ad Bauhiniam viridifloram, et in Tjerimai ad *Monogrammae* stipitu, et in monte Gedé, *Blume*, 909,193-350 = L0623333; HDM (labelled *Leskea filiformis*). Java, in Hariang, October, *Kühl & Van Hasselt*; 909,193-377 = L0067475 (HDM, labelled *Leskia filiformis*).

Origin unknown [Java?], *Zippelius*, 909,193-376 = L0067476; (HDM, labelled *Leskea filiformis*).

[Not seen: specimens among loan 10350 to S. Huttunen (Helsinki, 1998)].

Notes: See also sub *L. floribunda* Dozy & Molk. According to Noguchi (in herb.) the Japanese specimens that DM labelled *Leskea filiformis* belong to *Barbella flagellifera* (Cardot) Nog.

Leskia [= Leskea] fimbriata Dozy & Molk. (1844a: 15; 1844b: 310; 1848: 177). In L sub *Chaetomitrium fimbriatum* (Dozy & Molk.) Bosch & Sande Lac.

Collecting data in DM (1844): Amboina, Nova Guinea. DM (1848): Amboina et Nova Guinea, collegit *Zippelius*.

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:

Nova Guinea, *Zippelius*, 910,88-119 = L0094493 (SL).

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

Leskia* [= *Leskea*] *floribunda Dozy & Molk. (1844a: 15; 1844b: 310; 1848: 162).

In L sub *Floribundaria floribunda* (Dozy & Molk.) M. Fleisch.

Collecting data in DM (1844): Java, Sumatra. DM (1848): Java, ad *Bauhiniam viridifloram* in monte Salak, *Zippelius*, *Blume*; ad stipites *Monogrammae* in monte Gédé, Tjerimai, *Blume*; ad arbores, Harriang, mense Octobri, *Kühl* et *Van Hasselt*; in monte Talaga-Bodas, et juxta Santjan, *Korthals*. Sumatra, ad arbores collegit, *Korthals*.

Original material (syntypes, none seen):

[Java, juxta Santjan [= Santiang?], *Korthals*.]

[Java, ad *Bauhiniam viridifloram* in monte Salak, *Blume*; *Zippelius*.]

[Java, ad stipites *Monogrammae* in monte Gédé, Tjerimai, *Blume*.]

[Ad arbores, Harriang, mense Octobri, *Kühl* & *Van Hasselt*.]

Non-type additional specimen:

[Not seen: Japan, *Von Siebold*.]

Sets not studied by DM:

Java, in m. Telaga-Bodas, *Korthals*, 909,188-245 = L0067444.

Sumatra, *Korthals*, 909,188-157 = L0067446 (SL).

Sumatra, in *Paratropia subulata* Miq., *Korthals*, 909,188-159 = L0067447.

Notes: Syntypes and other specimens borrowed by 10350 by S. Huttunen (Helsinki; loan 10350, 1998). See also *Leskea filiformis* Dozy et Molk.

Leskia* [= *Leskea*] *mitrata Dozy & Molk. (1844a: 15; 1844b: 311). In L sub *Macrohymenium rufum* (Reinw. & Hornsch.) Müll.Hal. emend. Eakin

Collecting data in DM (1844): Sumatra.

Original material:

Sumatra, *Korthals*, 910,114-938 = L0399621; HDM description sheet 21 (holotype; with notes on operculum and peristome; sheet labelled '*Leskia 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.).

Note: cf. Eakin, D.A. 1976. A taxonomic revision of the moss genera *Rhegmatodon* and *Macrohymenium*. Diss. Univ. of Florida. VII + 122 pp.

Leucobryum aduncum Dozy & Molk. (1854b: 319)

Collecting data in DM (1854b): Java, ubi sine loci natalis adnotatione colligerunt doct. *Junghuhn*, *Holle* et *Teysmann*.

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).

***Leucobryum hollianum* [= *holleanum*]** Dozy & Molk. (1854c: 17). In L. sub *L. neilgherrense* Müll. Hal.

Collecting data in DM (1854b): Java, legit Dr. *Holle*.

Original material:

[Java, *Holle*], 910,132-1639 = L0060390 (SL ex DM; holotype; master set and 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. Beauv.) 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 *Teymann*.

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.

Collecting data in DM (1864): Sumatra; prov. Padang in regione superiore ad corticem arborum, *Andrée Wiltens*.

Original material:

Sumatra, prov. Padang, ad arbores in regione superiore, *Wiltens*, 910,139-2397 = L0060552 (SL; lectotype, designated by Touw, *Trop. Bryol.* 28: 86. 2007; cited as isotype by Akiyama, *Acta Bot. Fennica* 143: 86. 1991); 910,139-2477 = L0623764 (SL); 898,133-20 = L0623765 (borrowed by F).

Note: Akiyama (l.c.) did not select a lectotype.

Leucophanes korthalsii Dozy & Molk. (1846: 65). In L sub *L. octoblepharoides* Brid.

Collecting data in DM (1846): Java, in monte Gédé, *Zippelius*. Borneo, prope pagum Martapoera, *Korthals*. Amboina, collegit *Zippelius*.

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)

Collecting data in DM (1848): Java, in montibus Gédé et Talaga-Bodas, *Korthals*. Borneo, in summo monte Sakoembang, *Korthals*. Sumatra, prope flumen Batang-Bessie, *Korthals*.

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.

Collecting data in DM (1848): In monte Patoeha, *Korthals*; in monte Gédé, *Van Gesker* in Hb. De Vriese.

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

Java, Patoeha, *Korthals*, 910,114-1357 = L0623759; HDM sheet 17 (lectotype, designated by Touw, *Trop. Bryol.* 28: 86. 2007; additional specimen cited: *Van Gesker*).

Java, in monte Gédé, *Van Gesker*, 910,114-1359 = L0623758 (SL, comm. De Vriese).

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).

Note: Eakin (A taxonomic revision of the moss genera *Rhagamatodon* and *Macrohymenium*: 24. 1976 and *Nova Hedwigia* 67: 143, 1998) cited an unspecified *Korthals* specimen as holotype.

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

Collecting data in DM (1865): Borneo, in monte Kinibaloe, *Low* (herb. Hook.).

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 *Rhagamatodon* and *Macrohymenium*: 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. Sakoembang [= 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).
Java, Gedé, *Korthals*, '26', 910,141-254 = L0623745.
Sumatra, *Korthals*, '26', 910,141-232 = L0623743.
Borneo [= Java], G. Simpai, *Korthals*, '26', 910,141-248 = L0623744.

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)

Collecting data in DM (1860): Javae, *Zollinger itin. Jav. secundi coll. No. 3716?*

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:

- Sumatra [and Borneo], top [= summit of] Sakoembang, *Korthals*, 910,139-2422 = L0060420; HDM description sheet 27 (2 samples; sheet designated as lectotype by Vitt et al., Acta Bot. Fennica 154: 11. 1995).

Sets not studied by DM:

Sumatra, *Korthals*, '27', 910,140-169 = L0623739; 910,140-166 = L0623736.
Borneo, top [= summit of] Sakoembang, *Korthals*, '27'; 910,139-2408 = L0623738.
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.

Collecting data in DM (1860): Java, in montibus Gedé et Salak, sociis *Macromitrio goniorrhyncho* et *orthosticho*, *Teysmann*.

Original material:

Java, Salak et Gedé, groeiende tussen [= mixed with] *Macromitrium goniorrhynchum* en eene [= and a] *Pottia*, *Teijsmann*, 910,140-97 = L0060468 (SL, lectotype, designated by Vitt et al., *Acta Bot. Fennica* 154: 65. 1995); 910,140-88 = L0060467 (SL); *Teijsmann*, 1859, 910,140-89 = L0060464 (SL; used for illustration in *BJ*); 910,140-96 = L0060466 (SL).

Mini set s.n., [Java, *Teijsmann*], 910,140-90 = L0623734; 898,133-23 = L0623731 (borrowed by F); 910,140-71 = L0623733 (B ex SL, collector's name added by B); 910,140-95 = L0623732 (B; collecting data added from *BJ*).

Macromitrium javanicum Bosch & Sande Lac. in Dozy & Molk. (1860: 123). In L sub *M. incurvifolium* (W.Hook. & Grev.) Schwägr.

Collecting data in DM (1860): Java, Herb. reg. Lugd. Bat.

Original material:

Java, 910,140-108 = L0060444 (SL, lectotype, designated by Vitt et al., *Acta Bot. Fennica* 154: 36. 1995; illustrated in *BJ*); 910,140-110 = L0623730 (SL); 910,140-111 = L0623729 (annotated by F).

Macromitrium macrorrhynchum Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1861: 133). In L sub *Groutiella macrorrhyncha* (Bosch & Sande Lac.) Wijk & Margad.

Collecting data in DM (1861): Javæ inter Filices herb. Mitten.

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.

Collecting data in DM (1860): Java prov. Buitenzorg, anno 1843 lectum herb. Miquel.

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. mauritanum* by Montagne; with duplicate borrowed by F).

Macromitrium pungens Mitt. ex Bosch & Sande Lac. in Dozy & Molk. (1860: 122). In L sub *M. salakanum* Müll.Hal. ssp. *pungens* (Mitt. ex Bosch & Sande Lac.) M.Fleisch.

Collecting data in DM (1860): Java, *Teysmann* in herb. Dz. et Mb.

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).

Note: Vitt et al. (Acta Bot. Fennica 154: 65. 1995) lectotypified *M. pungens* by a set in NY-Mitten.

Macromitrium reflexifolium Sande Lac. (1872: 8), hom. illeg., non Mitt. (1869).

In L sub *M. celebense* Paris

Collecting data in SL (1872): Celebes in prov. Menado, *De Vriese*.

Original material:

Celebes, Minahassa van Menado, *De Vriese*, 910,141-22 = L0060430 (SL; lectotype, designated by Vitt et al., Acta Bot. Fennica 154: 65. 1995); 910,141-19 = L0623728 (SL); 912,304-155 = L0623727 (SL).

Macromitrium 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:

Borneo, *Korthals*, 910,141-62 = L0060471 (SL; used for illustration in *BJ*); 910,141-32 = L0623726; 999,307-325 = L0623314.

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

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

Collecting data in DM (1861): Borneo; in monte Kina Balloo legit *H. Low* herb. Hooker.

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.

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

Collecting data in DM (1860): Java, in montibus Gedé et Salak, *Teysmann*.

Original material:

Java, in m. Gedé et Salak, 1859, *Teysmann*, 910,141-39 = L0060442 (SL; designated as lectotype by Vitt et al., Acta Bot. Fennica 154: 36. 1995); 910,141-258 = L0623719; 910,141-4 = L0623723.

Mini set s.n., Java, [*Teysmann*], 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.

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

Collecting data in (1860): Java, *Zollinger* itin. Jav. Secundi coll. No. 3717.

Original material:

Java, *Zollinger*, *Iter javanicum secundum 3717*, 910,144-1458 = L0060475 (SL; lectotype, designated by Vitt et al., Acta Bot. Fennica 154: 78. 1995; *Zollinger* label; identification written by Mitten).

Macromitrium zippelii Bosch & Sande Lac. in Dozy & Molk. (1860: 123). In L sub *M. incurvifolium* (W.Hook. & Grev.) Schwägr.

Collecting data in DM (1860): Amboina m. Oct., *Zippelius* in herb. reg. Lugd. Bat.

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 '); 910,143-26 = L0623713; 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)

Collecting data in DM (1859): Java, *Zollinger* itineris Jav. secundi coll. No. 3716.

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*).

Maschalanthus plicatus Dozy & Molk. (1865: 108), nom. nud. in synon. of *Sauloma microcarpa* (W.Hook.) Mitt. In L sub *Meiothecium microcarpum* (W.Hook.) Mitt.

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).

Amboina, *Zippelius*, 910,121-47 = L0246251 (HDM).

Java, in monte Gédé, *Van Gesker*, 910,121-82 = L0246196 (SL ex DM); 910,121-154 = L0246202 (SL ex DM, ex De Vriese).

No data, 910,121-48 = L0623709 (labelled by M).

Sets not studied by DM:

Java, [*Korthals*], 910,121-153 = L0623707.

Sumatra, *Korthals*, '35', 910,121-77 = L0623708; 910,121-112 = L0246182.

Borneo, *Korthals*, 910,121-44 = L0246237; [*Korthals*], 910,121-4 = L0623710.

Amboina, *Zippelius*, 910,121-110, L0246250.

Megalostylium brevisetum Dozy & Molk. (1848: 146); *Dicranum brevisetum* Dozy & Molk. (1844), hom. illeg. In L sub *Dicranoloma brevisetum* (Dozy & Molk.) Paris
Collecting data in DM (1844): Java. DM (1848): Java, rarissime in summo monte Gédé, *Zippelius*; in monte Pangerango, *Kühl et Van Hasselt*.

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.

Collecting data in DM (1864): Java, *Kuhl et Van Hasselt*, *De Vriese*; Santiang, *Korhals*.

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).

Java, *Kuhl & Van Hasselt*, 909,188-41 = L0623706.

Java, Santiang, *Korhals*, 909,188-36 = L0623705.

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. Slammat, altit. 4–6000', *Junghuhn*.

Original material (syntypes):

Java, ad arbores dependens in monte Pangerango prope [not 'prov', in *BJ*] Toegoe, altit. 6–7000', 19.2.1861, *Kurz* 434, 910,144-18 = L0623702 (SL; used for illustration in *BJ*).

Java, Slammat, *Junghuhn*, inter *Neckeram dozyanam*, 4–6000', 910,144-26 = L0623700; 901,344-7 = L0623701 (SL; borrowed by F).

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

Collecting data in DM (1864): Sumatra occidentalis, *Teysmann*.

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.

Sumatra, Prov. Padang in regione superiore, *Wiltens*, 909,188-100 = L0623279. Banca, in Wald bei Batoeroesak, 5.VII.58' and ' [illegible] im Walde bei Campong Baroe, Batoeroesak, 2.VII.58', *Kurz*, 909,188-97 = L0623281 (SL).

Meteorium polytrichum Dozy & Molk. (1848: 161)

Collecting data in DM (1848): Java, in monte Salak ad *Freycinttiam angustifoliam*, mense Decembris, *Zippelius*, *Blume*. In monte Megamedong, *Kühl* et *Van Hasselt*. Ad caudices *Cocos nuciferae* in monte Gédé, *Van Gesker* in Hb. De Vriese.

Original material:

[Not seen; borrowed by S. Huttunen (Helsinki, 1998, loan 10350)].

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

Collecting data in DM (1864): Java, in sylvis montis Tjerimai, altit. 5–7000', cum fructu m. August., *Junghuhn*. Sumatra, prov. Padang in regione superiore ad ramos arborum, *Andrée Wiltens*.

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 synonym. In L sub *Arthrocorismus schimperi* (Dozy & Molk.) Dozy & Molk.

Collecting data in DM (1844): Borneo. DM (1846): Borneo, supra *Arengam sacchariferam* prope pagum Martapoera, *Korthals*.

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.

Collecting data in DM (1844): Java, Borneo. DM (1846): Java, in arborum vetustarum cavis regionis paludosae summi montis Gédé, mense Februario fructificans, *Korthals*, *Zippelius*; Borneo, supra arbores carie consumptos, *Korthals*.

Original material:

Java et Borneo, *Korthals*, 910,114-926 = L0060331; HDM description sheet 24 (lectotype, designated by Touw, *Trop. Bryol.* 28: 86. 2007; notes on morphology and unsatisfactory initial assignment to *Weissia*).

Sets not studied by DM:

Borneo, *Korthals* 910,114-924 = L0060330 (SL); '24', 910,114-925 = L0060329. Java, *Korthals*, 910,114-929 = L0060332 (erroneously designated as lectotype by Touw, *Willdenowia* 19: 238, 1989).

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 synonym. of *Arthrocorismus schimperi* (Dozy & Molk.) Dozy & Molk.

Mniodendron humile Lindb. in Dozy & Molk. (1866: 138). In L sub *Hypnodendron dendroides* (Brid.) Touw

Collecting data in DM (1866): Celebes; herb. Lugd. Bat. — Planta mascula sola inventa est.

Original material:

Celebes, unknown collector, 909,187-43 = L0060362 (lectotype, designated by Touw, *Trop. Bryol.* 28: 86. 2007; cited as holotype by Touw, *Blumea* 19: 321. 1971); 909,187-208 = L0060360 (SL); 909,187-55 = L0623685 (B).

Mniodendron 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, altit. 5–7000', *Kurz*. Sumatra, *Teysmann*. Ceram, *De Vriese*. Batjan, *De Vriese et Teysmann*.

Original material (syntypes):

Java, in m. Gedokan, altit. 6000', *Kuhl & Van Hasselt*, 909,187-52 = L0623680 (lectotype, designated by Touw, *Blumea* 19: 302. 1971).

Java, comm. *Rochussen*, 909,187-196 = L0623676 (DM; used for illustration in *BJ*). Java, herb. Miquel, 909,187-49 = L0623679.

Java, in m. Gedé et Salak, *Teijsmann*, 909,187-51 = L0623674; 909,187-85 = L0623673 (SL).

Java, Tjibodas, *Hasskarl*, 909,187-46 = L0623753; 909,187-47 = L0623683 (SL).

Java, in m. Megamendong et Gedé, *Zippelius*, 909,187-53 = L0623678.

Java, am Salak ziemlich gemein, 5–7000', 17.7.1860, *Kurz 157*, 909,187-83 = L0623681; 909,187-82 = L0623682 (SL).

Sumatra, *Teijsmann*, 909,187-54 = L0623675 (SL). Ceram, 1858–1860, *De Vriese*, 909,187-80 = L0623684 (SL).

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. *Andrée Wiltens*.

Original material:

Sumatra, prope Padang, comm. *Wiltens*, 910,140-139 = L0539836 (SL; lectotype, designated by Touw, *Trop. Bryol.* 28: 86. 2007; cited as holotype by Koponen, *Hikobia* 6: 57. 1971; with description in Dutch by SL); in regionibus superioribus Padang, ad Filices, comm. *Wiltens*, 910,140-141 = L0060529 (SL; used for illustrations in *BJ* and Koponen, *Acta Bot. Fenn.* 97: 17.1972); 910,140-162 = L0539834 (annotated by Wiltens 'Mos van varen' [= moss on fern], and by SL 'Mnium, florescentia dioica, folia integerrima, costa ante mucronem desinente'); Sumatra, *Wiltens*, 910,140-147 = L0539833; 910,140-140 = L0539832 (B ex SL); 910,140-142 = L0539838 (SL).

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.

Collecting data in DM (1844): Java. DM (1848): Java, in monte Gedokan ad altitudinem 6000 pedem, *Kühl et Van Hasselt*.

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 *Calypthothecium 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):

Sumatra: prov. Padang, in reg. superioribus ad truncos arborum, *Wiltens*, 910,144-397 = L0060066 (SL; annotated as lectotype by Noguchi, published by Touw, *Trop. Bryol.* 28: 87. 2007; used for illustration in *BJ*; initially identified as *Neckera sundaensis* Müll.Hal.).

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 gracilentata Bosch & Sande Lac. in Dozy & Molk. (1863: 62). In L sub *Neckeropsis gracilentata* (Bosch & Sande Lac.) M.Fleisch.

Collecting data in DM(1863): Java, *Korthals*, *Teysmann*; ad ramos prope catarrhactas, *Zollinger*, coll. sub no. 444; prope Depok, *Holle*; pr. Limbang, *Korthals*; in montibus Gedé et Salak, *Teysmann*. Sumatra, *Korthals*; in prov. Padang regione superiore, *Andrée Wiltens*. Borneo, *Korthals*. Ceram, in sylvis orae meridionalis, *De Vriese*. Celebes, in regno Menado, *De Vriese*; ad ramulos in sylvis prope Tondano m. Majo 1840 legit *E.A. Forsten*.

Original material (syntypes):

Celebes, in de bossen van Tondano op bomen, 5.1840, *Forsten*, 910,98-320 = L0060542 (SL; lectotype, designated by Touw, *Blumea* 11: 394. 1962; initially misidentified as *N. exserta* W.Hook. ex Schwägr.); *Forsten* 44, 910,98-305 = L0060543 (specimen with Forsten's label).

Sumatra [= Java], Limbang [= Lembang], *Korthals*, 910,101-331 = L0623669; HDM sheet 89 ex parte (sheet labelled *Neckera undulata* Hedw., but containing specimens of *Neckeropsis gracilentata* and *N. lepineaana* (Mont.) M.Fleisch.; the additional specimens listed belong to *N. lepineaana*).

Java, Limbang [= Lembang], *Korthals*, '89', 910,98-303 = L0623668. Java, *Korthals*, 910,98-364 = L0623658.

Java, Depok, *Holle*, 910,98-358 = L0623659 (SL ex DM).

Java, Gedé et Salak, *Teijsmann*, 910,98-304 = L0623656 (SL).

Java, ad ramos prope catarrhactas, *Zollinger* 444, 910,98-362 = L0623657 (SL ex DM).

Sumatra, *Korthals*, 910,98-323 = L0623667; 910,98-369 = L0623666.

Sumatra, prov. Padang, in regione superiore ad arborem truncos, *Wiltens*, 910,98-367 = L0623665 (SL).

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*].

Neckera hookeri Dozy & Molk. (1844a: 18; 1844b: 313; 1848: 155). In L sub
Himanthocladium plumula (Nees) M.Fleisch.

Collecting data in DM (1844): Java, Sumatra. DM (1848): Java, in arborum truncis,
Korthals; Sumatra, in arboribus ad flumen Batang-Bessie, *Korthals*.

Original material:

Java et Sumatra, Padang-Bessie, leg. *Korthals*, 910,101-361 = L0623650; HDM
 description sheet 38 (1 sample; lectotype, designated by Touw, Trop. Bryol.
 28: 87. 2007; with dedication and notes).

Sets not studied by DM:

Java, *Korthals*, 910,101-404 = L0623655; 910,101-404 = L0623655; in m. Simpai,
 910,101-407 = L0623310.

Sumatra, *Korthals*, 909,307-358 = L0623651; 910,101-395 = L0623653; 910,101-
 397 = L0623652 (SL); Padang-Bessie, 910,101-413 = L0623654.

Neckera longissima Dozy & Molk. (1844a: 18; 1844b: 313; 1848: 159). In L sub
Aerobryopsis wallichii (Brid.) M.Fleisch.

Collecting data in DM (1844): Java, Borneo, Sumatra. DM (1848): Java, ad pedem
 montis Salak in ramis *Gynopachis acuminatae*, *Zippelius*, *Blume*, *Korthals*;
 Sumatra, ad arbores, *Korthals*; Borneo, collegit *Korthals*.

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; [*Kort-*
hals], (10), 909,188-162 = L0623647.

Non-type additional HDM specimens:

Java, Salak, ad pedem montis Salak, and den Zweigen von ramis *Gynopacris*
acuminata, *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.

Collecting data in DM (1863): Java, in montibus Gedé et Salak, *Teysmann*. Ceram,
 in sylvis orae meridionalis et in insula Banda, *De Vriese*. Celebes, ad catarrhac-
 tas prope Maros, *Zollinger* coll. No. 439.

Original material (syntypes):

Celebes, ad catarrhactas prope Maros, ad arbores, *Zollinger 439*, 910,101-369 =

L0060307 (SL ex DM; designated as lectotype by Noguchi in herb. and published by Enroth, *Ann. Bot. Fennici* 29: 85. 1992). Another set in L consists of *Neckeropsis gracilentata* (Bosch & Sande Lac.) M.Fleisch.!

Java, in m. Gedé et Salak, *Teijsmann*, 910,101-367 = L0060306 (SL); 940,124-16 = L0623641 (Wachter ex B, 'Gedé').

Ceram, 1858–1860, *De Vriese*, 910,101-378 = L0060308 (SL).

Banda, 1858–1860, *De Vriese*, 910,101-365 = L0060305 (SL).

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

Collecting data in DM (1863): Java, *Zippelius*, *Korthals*; in montibus Gedé et Salak, *Teysmann*; prope Depok, *Holle*. Sumatra, *Korthals*; ad litus occidentale, *Teysmann*. Borneo, *Korthals*. Ceram, in sylvis orae meridionalis, *De Vriese*. Celebes, in regno Menado, *De Vriese*; in sylvis prope Tondano, *Forsten*. In insula Novae Guineae, *Zippelius*.

Original material (syntypes):

Ceram, *De Vriese*, 910,110-1288 = L0057039 (SL; lectotype, designated by Enroth, *Acta Bot. Fenn.* 151: 29. 1994).

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 litus occidentale, *Teijsmann*, 910,110-1378 = L0057044 (SL).

Borneo, *Korthals*, 910,110-1386 = L0057038.

Celebes, Menado, *De Vriese*, 910,110-1392 = L0057040 (SL).

New Guinea, *Zippelius*, 910,110-1377 = L0057036.

[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.

Collecting data in DM (1844): Borneo. DM (1848): Borneo, in summo monte Sakoembang, *Korthals*.

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).

Octoblepharum curvirostrum Dozy & Molk. ex Jaeger, *Ber. Thätigk. St. Gal-lischen Naturw. Ges.* 1871–72: 322. 1873, nom. nud. In L sub *Octoblepharum curvirostre* Dozy & Molk.

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

Original material:

Java, Kandang-Sapie, in truncis arborum, inter radices orchideorum, filicum aliomque 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 'Amboina, October', 'Java, um Buitenzorg [= Bogor], auf den Bäumchen von *Gomutis saccharifer*', and 'im botanischen Garten auf [illegible] *Cyrtophyllum peregrinum* Reinw., Dec. 1826').

Java, weinig gevonden op den grond in de bosschen, meest bij eenige kampongs 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; 910,101-551 = L0623629 (B).

Sets not studied by DM:

Java, Kandang-Sapie, [*Korthals*], 910,101-554 = L0623628 ('48'); 910,101-549 = L0623627.

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

Collecting data in DM (1844): Borneo, Java. DM (1846): Java, in cacumine Sederat�e montis Gédé, *Korthals*.

Original material:

Borneo, [= Java] Sedarat�e, *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):

Java, Sedarat�e, [*Korthals*], 910,101-510 = L0060566 (cited as a *Zippelius* specimen and labelled 'type' by Meijer, The genus *Orthodontium*: 49. 1951).

Borneo, *Korthals*, 910,101-505 = L0623626 (SL).

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, in planitie prope Samarang, in calcareis, 1.1871, *Van Oorschot*, 910,145-996

= L0623615 (SL); 910,145-997 = L0623620 (SL); 910,145-989 = L0623623 (SL; mixed with *S. obtusum* (Brid.) Müll. Hal.).

Java, Samarang, Redong Djattie, 1.1871, *Van Oorschot*, 910,145-994 = L0623622 (SL); 910,145-1001 = L0623624 (SL); 910,145-1010 = L0623621 (SL).

Java, locis calcareis Samarang, Grisse, *Van Oorschot*, 1.1871, 910,145-995 = L0623619 (SL); 910,123-1018 = L0623618 (SL).

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 synonym. 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:

Java, *Junghuhn*, 910,104-910 = L0539837 (SL; lectotype, designated by Koponen & Norris, *Acta Bot. Fennica* 156: 14. 1996; used for illustration in *BJ*).

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* γ *falcata*).

Platygyrium pertenu 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 Februarii 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 (isolectotype).

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 Sallak, *Van Gesker* (comm. De Vriese), 910,110-926 = L0623606.

Java, in monte Megamendong in locis humidis obscuris in solo argillaceo, Januario, Zippelius, 910,110-923 = L0623609 (HDM).

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.

Collecting data in DM (1854b): Java, in cacumine montis Kawi, mense Septembris, Junghuhn.

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, 910,110-278 = L0057066 (lectotype, designated by Touw, Trop. Bryol. 28: 87. 2007; cited as holotype by Hyvönen, Acta Bot. Fenn. 138: 50. 1989); 910,110-282 = L0623600.

Sumatra [= Java], in monte Dieng, ad vias et muros, in terra limosa, 6200', Feb.–Martio, Junghuhn, 910,110-279 = L0623601 (De Vriese ex DM).

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:

Java, in monte Megamendong ad vias limosas, Julio, *Junghuhn*, 910,110-909 = L0057065 (holotype).

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:

Java, in rupibus desertis montis Merapi, mense Septembre, *Junghuhn* (fieldno. 3), 910,110-913 = L0057059 (lectotype, designated by Touw, Trop. Bryol. 28: 87. 2007, cited as holotype by Hyvönen, Acta Bot. Fenn. 138: 25. 1989; initially identified as *Pogonatum aloides* (Hedw.) P.Beauv.); 910,110-901 = L0623597 (SL).

Mini set s.n., Java, [*Junghuhn*], 910,110-916 = L0623307 (B); 910,110-915 = L0623308 (SL ex SL).

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* (Müll. Hal.) A. Jaeger

Collecting data in DM (1854b): Java, *Junghuhn*.

Original material:

Java, *Junghuhn*, 910,110-1122 = L0399623 (holotype).

Possible isotypes:

Origin unknown, leg. *Junghuhn*, 910,110-1107 = L0623596; 910,110-1134 = L0623595.

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):

Java, in alveo fluminis cujusdam in m. Salak altit. 2500', *Amann* [= *Kurz*] 232, 910,110-1029 = L0492543 (SL; annotated as lectotype by Milne & Klazenga, in herb., published by Touw, Trop. Bryol. 28: 87. 2007).

Java, in m. Gedé et Salak, *Teijsmann*, 910,110-1367 = L0492544 (SL).

Sumatra, ad litus occidentale, leg. *Teijsmann*, 910,110-1350 = L0492541 (SL); 910,110-1372 = L0492542 (SL).

[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:

Sumatra, *Korthals*, 910,110-1256 = L0623593 (lectotype, designated by Touw, Trop. Bryol. 28: 87. 2007); 98,291-47 = L0623592 (poor specimen borrowed by F).

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).

Pottia julacea Dozy & Molk. (1854b: 335). In L sub *Aongstroemiopsis julacea* (Dozy & Molk.) M. Fleisch.

Collecting data in DM (1854b): Java, inter *Entosthodon javanicum*, (*Jungh.*).

Original material:

Java, inter *Entosthodon javanicum*, *Junghuhn*, 910,110-1408 = L0623590; 910,110-1419 = L0623589 (SL).

Mini set s.n., [Java, *Junghuhn*], 910,110-1422 = L0623588 (SL).

Pseudoleskea 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

Collecting data in DM (1865): Java, *Teysmann*.

Original material:

Java, leg. *Teijsmann*, 910,110-1381 = L0623587 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 87. 2007); 910,110-1398 = L0623586 (SL); 910,110-1397 = L0623585.

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.).

***Rhacomitrium javaanicum* [= *Racomitrium javanicum*]** Dozy & Molk. (1854a: 25, 32). In L sub *R. subsecundum* (W. Hook. & Grev.) Mitt.

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* Collecting data in DM (1862): Java, ad cortices arborum in m. Semiroe altit. 5500', coll. No. 2318; pr. Bandung no. 1413; in m. Salak, no. 1412 Z, *Zollinger*; in m. Gedé, *Teysmann*. Celebes in regno Menado, *De Vriese*.

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. Bandung, inter *Cylindrothecium bandongiae*. *Zollinger s.n.*, 910,114-1300 = L0623578 (SL ex DM; labelled *R. demissum* Dz. et Mb.).

Java, 910,114-1294 = L0623579 (SL ex DM; mixed set: two packets labelled '*Zollinger 1421*, *R. demissum* n.sp.', with loose label by M reading '*Zoll. No. 1431*, cum *Neckera bandongiae* CM., ad arbores Prov. Bandung', and rough sketches of *Zollinger 1431*; probably used by Van den Bosch).

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, in locis umbrosis ad terram et ad arbores inter Kimah et Simpan, fruct., 2.8.1858, *Amann* [= *Kurz*] 43, 910,114-1350 = L0057202 (lectotype, designated by Touw, *Willdenowia* 19: 242. 1989, specified by Touw, *Trop. Bryol.* 28: 87. 2007); 910,114-1335 = L0057203 (SL).

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.

Collecting data in DM (1861): Java, montibus Gedé et Salak, *Teysmann*; in sylvis umbrosis alt. 5000' montis Pangerango et alt. 7000' in monte Waijang, *Jung-huhn*. In insulae Soembawa monte Sonkar, *Zollinger no. 1434*.

Original material?:

Java, in montibus Gedé et Salak, 1859, *Teijsmann*, 910,114-1386 = L0623572.

Java, in sylvis umbrosis montis Pangerango, alt. 5000', Martio, leg. *Junghuhn*, 910,114-1327 = L0623568 (SL); 910,114-1484 = L0623569.

Java, Waijang, 7000', Apr., *Junghuhn*, 6, 910,114-1379 = L0623566.

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.

Collecting data in DM (1865): Bali, in m. Abang altit. 4–5000', m. Sept. 1857 c. fructu, *Zollinger* coll. (ed. Hohenacker).

Original material:

Bali, ad arbores M. Abang, 4–5000', 10.9.1857, *Zollinger* (Ed. Hohenacker), 898,291-48 = L0623565 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 88. 2007; used for illustration in *BJ* and borrowed by F; with Zollinger label); 910,109-453 = L0623564 (SL).

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

Collecting data in DM (1854a): Java, ubi primus legit *Teysmann*. Ibidem sine numero et loco *Zoll.*

Original material (syntypes):

Mini set 17, Java, [*Teijsmann*], 910,121-93 = L0623563; 910,121-129 = L0623561; 919,330-711 = 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.

Collecting data in DM (1854b): Java, provinciam Samarang prope Medini, ad arborum truncos in monte Ungaran, altit. 3–4000', mensibus Apr.–Jun. Nomen incolis *Lumut watu. Jungh.*

Original material:

Java, in monte Ungarang provinciae Medini, alt. 3–4000'. Mense Apr. Junio. Nomen javanis *loemoet watoe. Junghuhn*, 910,144-1472 = L0623557 (lectotype, designated by Touw, Trop. Bryol. 28: 88. 2007); 910,144-1470 = L0623558; 910,144-1469 = L0623559 (SL ex DM).

Schlotheimia ochracea Dozy & Molk. (1844a: 19; 1844b: 314); *Orthotrichum ochraceum* Zipp., nom. nud. (DM 1860: 118). In L sub *Macromitrium ochraceum* (Dozy & Molk.) Müll. Hal.

Collecting data in DM (1844): Java.

Original material (syntypes):

Java, in alterioribus montosis in monte Megamendong, Sallak et Gédé vulgaris; fruget mense Dezembri–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:

Java, in allen [illegible] Berggegenden, Megamendong, Sallak et Gede, fruget Decembris, Februari, *Zippelius*, 910,140-738 = L0623556.

Java, Megamendong, *Zippelius*, 910,140-734 = 0623554.

Java, *Zippelius*, 910,140-725 = L0623555.

Non-type additional HDM specimen:

Java, *Blume*, 910,140-80 = L0060458 (HDM; labelled ‘syntype, in part’ by Vitt).

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. Sakoembang, *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.

Java, Limbangan, *Korthals*, 910,137-1114 = L0623549; 910,137-1080 = L0623548.

Sumatra, Singalang, *Korthals*, 910,139-2361 = L0623547; 910,137-1251 = L0623546 (SL).

Borneo, Sakoembang, *Korthals*, 910,139-2487 = L0623553.

Non-type additional HDM specimens:

Java, *Blume*, 910,139-2491 = L0060427 (HDM); 910,132-1717 = L0623272.

Java, in monte Gédé, *Van Gesker*, 910,137-1071 = L0623273 (SL ex De Vriese).

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 truncos, *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:

Java, *Korthals*, 898,129-1 = 909,188-23 = L0623543 (borrowed by F); [*Korthals*], '88', 909,188-2 = L0623544.

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

Collecting data in DM (1854a): Java, *Zollinger* sine nro.

Original material:

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.

Collecting data in DM (1854): Java, e monte Gédé communicavit *Teysmann*.

Original material:

[Java, Gédé, comm. *Teysmann*], 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. *Teysmann*], 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, *Teysmann*, 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):

Java, *Holle*, 910,123-1072 = L0623528 (SL; lectotype, designated by Touw, *Trop. Bryol.* 28: 88. 2007; cited as holotype by Eddy, *Bull. Brit. Mus. (Nat. Hist.), Bot.* 5: 439. 1977; probably a mini set with collecting data copied from *BJ*).

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)

Collecting data in DM (1854): Javae, in summo Goenoeng Patoeha *Blume, Junghuhn*.

Original material (syntypes):

Java, in summo Gunung Patuha, *Junghuhn*, 910,123-1043 = L0623525 (lectotype, designated by Touw, *Trop. Bryol.* 28: 88. 2007; cited as holotype by Eddy, *Bull. Brit. Mus. (Nat. Hist.), Bot.* 5: 430. 1977).

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:

Borneo et Sumatra, leg. *Korthals*, 910,110-1139 = L0623513; HDM description sheet 43 (lectotype, designated by Touw, *Trop. Bryol.* 28: 88. 2007; fruiting specimen; compared to *Neckera filicina* Hedw. and *N. acuminata* W.Hook.; with diagnosis and discussion of *Symphysodon* Dozy & Molk).

Sets not studied by DM:

Sumatra, *Korthals*, 910,110-1445 = L0623515; 910,110-1259 = L0623514.

Borneo, *Korthals*, 910,110-1218 = L0623516; 910,110-1163 = L0623517.

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.

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

Collecting data in DM (1844): Java, Sumatra. DM (1846): Java, in agro Bogoriensi ad truncos *Arengae sacchariferae*, mense Februario fructificans, *Zippelius*; in monte Pangerango et Tjikoerai, *Kühl et Van Hasselt*; in monte Papandayang, *Korthals*. Sumatra, in sylvia summi montis Merapiae ad corticem *Thibaudiae lucidae*, *Korthals*.

Original material (syntypes):

Java, monte Papandayang; 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:

Java, in m. Papandayang, *Korthals*, 910,121-124 = L0623511; 910,121-89 = L0623510.

Sumatra, sylva Merapie, [*Korthals*], 910,121-178 = L0623507; 999,299-335 = L0623512; monte Merapie, '22', 910,121-171 = L0623508.

Non-type additional HDM specimens:

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

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

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

Collecting data in SL (1872): Banca ad truncos 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 on morphology).

Second syntype: see next item.

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

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

Syntype:

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

Second syntype: see previous item.

Syrrhopodon confertus Sande Lac. (1872: 4)

Collecting data in SL (1872): Sumatra, *Korthals*; Banca ad arbores inter Klappa et Tjang-tara, *Kurz*.

Original material (syntypes):

Banca, zwischen Tjang-tara und Klappa, an den Bäumen im tiefen Walde, 4.8.1858, *Kurz* 68, 910,126-1766 = L0060700 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 88. 2007; with drawings by Iwatsuki); 910,126-1329 = L0060699. Sumatra, *Korthals*, 910,126-1781 = L0060698.

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 Slamata alt. 4–6000', *Jungh.*

Original material (syntypes):

Java, in m. Merapi altit. 4000', *Junghuhn*, 910,137-1111 = L0060696 (SL).

Java, Slamata, 4–6000', [*Junghuhn*], 910,137-1108 = L0623504.

Java, Slamata, 4–6000' and ap. silva merid. Merapi, saxicola, 4000', *Junghuhn*,

910,137-1124 = L0060697 (with field labels).

Java, in m. Merapi, Slamet, *Junghuhn*, 910,132-1648 = L0623505.

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

Collecting data in SL (1872): Banca ad arbores inter Tjang-tara et Klappa, *Kurz*; Borneo, *Korthals*.

Original material (syntypes):

Borneo, *Korthals*, 910,126-1771 = L0060692 (SL; lectotype, designated by Touw, *Trop. Bryol.* 28: 88. 2007; cited as holosyntype by Menzel, *Willdenowia* 19: 513. 1990); 910,126-1785 = L0060707.

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 jungquilian Mitt. ex Dozy & Molk. (1856: 57). In L sub *Mitthyridium jungquilianus* (Mitt.) H. Rob.

Collecting data in DM (1856): Borneo, legit *Motley*, Herb. Mitten.

Original material:

Borneo, Jungquilian, *Motley 10*, 910,126-1428 = L0060519 (SL ex DM, ex Mitten; holotype; labelled by Mitten).

[Not seen: Borneo, on the trailing stems of creeping banks of Jungquilian near Ralius, NW coast, *Motley 2* (NY; isotype?, cited as holotype by Mentzel and Schultze-Motel, *Willdenowia* 19: 503. 1990)].

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

Collecting data in DM (1856): Borneo, Laboean, Tanjong Koebong; legit *Motley*, comm. Mitten.

Original material:

Borneo, Labuan, Tanjong Kubong, *Motley*, 910,126-1373 = L0060691 (SL ex DM, ex Mitten; holotype; labelled by Mitten, but identification written by Dozy).

Mini set s.n., [Labuan, *Motley*], 910,126-1387 = L0623499 (SL; labelled by Dozy).

Syrrhopodon revolutus Dozy & Molk. (1844a: 21; 1844b: 315; 1846: 47). In L sub *S. involutus* Schwägr.

Collecting data in DM (1844): Java, Borneo. DM (1846): Java, in arborum cortice parasiticus, *Korthals*. Borneo, prope pagum [B]enjarmassing, *Korthals*.

Original material:

Java, Benjarmassing (corrected in pencil to: Borneo, prope pagum Benjarmassing), P.W. *Korthals*, HDM sheet 54, HLB 910,126-1441 = L0060715 (holotype).

Sets not studied by DM:

Borneo, Banjer Massing, *Korthals*, HLB 910,126-1484 = L0440857; HLB 910,126-1511 = L0440787 (SL).

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.

Collecting data in DM (1844): Java. DM (1846): Java, in monte Gédé ad arborum corticem, *Zippelius*.

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.

Collecting data in SL (1872): Sumatra, *Korthals*. Celebes in cortice arborum, herb. Lugd. Bat.

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).

Mini set s.n.: [Java, *Holle*], 910,110-1425 = L0060227 (B ex DM).

Syrrhopodon tenellus Dozy & Molk. (1858: 61), nom. nud. in synonym. of *S. flavus* Müll.Hal. In L sub *Mitthyridium flavum* (Müll.Hal.) H.Rob.

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.

Collecting data in Sande Lac. (1872): Sumatra, *Korthals*; Borneo prope Pontianak, *Van Oorschot*.

Original material (syntypes):

Borneo, prope Pontianak, *Van Oorschot*, 910,126-1317 = L0440486 (SL; used for illustration in BJ); 910,126-1670 = L0440495; 910,126-1680 = L0060518; 910,126-1765 = L0440487 (master set); 999,306-013 = L0623495; [not seen: set in FH, designated as lectotype by Nowak, Bryophyt. Biblioth. 20: 41. 1980]. 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, Halmaheira, in cortice arborum, *De Vriese*.

Original material (syntypes):

Java, Halmaheira, *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).

Halmaheira, *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 Halmaheira in L' as lectotype, but she added a lectotype label to the specimen from 'Java, Halmaheira'.

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

Collecting data in DM (1863): Sumatra, prov. Padang in regione superiore ad arborum truncos, *Andrée Wiltens*.

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.

Collecting data in DM (1863): Java, *Korthals*.

Original material:

Java, *Korthals*, 910,110-1460 = L0060597 (SL; lectotype, designated by Touw, Trop. Bryol. 28: 88. 2007; cited as holotype by Enroth, Acta Bot. Fenn. 151: 19. 1994; mixed with *Pinnatella alopecuroides* (W.Hook.) M.Fleisch.); 910,110-1463 = L0060593.

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

Collecting data in DM (1863): Java, in monte Tjikoerai, *Kühl et Van Hasselt*.

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 holotype by Enroth, Acta Bot. Fenn. 151: 25. 1994); 910,110-1388 = L0060604.

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

Collecting data in DM (1863): Sumatra, ad litus occidentale, *Teysmann*. Ceram, in sylvis orae meridionalis, *De Vriese*.

Original material (syntypes):

Ceram, in sylvis orae meridionalis, *De Vriese*, 910,110-1275 = L0060605 (SL; lectotype, designated by Enroth, Acta Bot. Fenn. 151: 25. 1994); 910,110-1261 = L0060601.

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.

Collecting data in DM (1863): Sumatra, prov. Padang in regione superiore ad truncos arborum, *Andrée Wiltens*.

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

Collecting data in DM (1865): Java, *Korthals*; prope Depok, *Holle*. Sumatra occidentalis, *Teysmann*.

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).
Java, Depok, *Holle*, 910,123-1232 = L0057254 (SL ex DM).
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
Collecting data in DM (1865): Celebes, in prov. Menado, *De Vriese*.

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*

Collecting data in DM (1864): Java, *Junghuhn*, *De Vriese*; in m. Gedé et Salak, *Teysmann*. Borneo, *Korthals*. Ceram, Halmaheira, *De Vriese*.

Original material (syntypes):

Java, in m. Gedé et Salak, *Teijsmann*, 910,104-783 = L0623487 (SL; lectotype, designated by Van Zanten, *Blumea* 9: 539. 1959).

Java, *Junghuhn*, 910,104-771 = L0623488 (SL); 910,104-773 = L0623489 (SL ex Waitz).

Java, *De Vriese*, 910,104-769 = L0623490 (SL).

Borneo, *Korthals*, 910,104-995 = L0623491.

Ceram, 1858–1860, *De Vriese*, 910,104-997 = L0623492 (SL).

Halmaheira, *De Vriese*, 910,104-760 = L0623493 (SL).

***Trichostomum blumii* [= *blumei*]** Dozy & Molk. (1844a: 22; 1844b: 316). In L sub *Campylopus umbellatus* (Arn.) Par.

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

Original material:

Java, Patoeha, [Borneo,] Sakoembang, *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: *Zippeiius*, *Forsten*, *Von Siebold*).

Sets not studied by DM:

Java, in m. Patoeha, *Korthals*, 996,290-194 = L0623483.

Borneo, in m. Sakoembang, *Korthals*, 910,104-913 = L0623482 (SL).

Non-type additional HDM specimens:

Java, in montis cacumine Gédé; unica stirps est quae in illo loco crescit et terram calcaream vel lapides quartzosos investis; Dec. 1826, *Zippeiius*, 910,104-900 = L0623267 (HDM).

Celebes, in monte Klabat et in montis ignivomi Batoe Angoes cratere. In monte Seputan prope Tompasso, *Forsten*, 910,104-897 = L0623266 (HDM).

Japan, comm. *Von Siebold*, 910,107-437 = L0623268.

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

Trichostomum krintjingianum Dozy & Molk. (1854a: 31). In L sub *Ceratodon purpureus* (Hedw.) Brid. ssp. *stenocarpus* (Bruch & Schimp.) Dixon
Collecting data in DM (1854a): Java, ad M. Krintjing 6000', herbarium proprium *Zollinger 1540*.

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.

Collecting data in DM (1870): Java, herb. Lugd. Bat.

Original material:

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

Trichostomum vaginatum Dozy & Molk. (1844a: 21; 1844b: 315; 1848: 124), hom. illeg., non W. Hook. (1801). In L sub *Rhamphidium vaginatum* Mitt.

Collecting data in DM (1844): Sumatra. DM (1848): Sumatra, ad terram inter alias Muscorum species, *Korthals*.

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:

Sumatra [= Java], G. Simpai, *Korthals*, 98,291-23 = L0491437 (SL; borrowed by F).

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.

Collecting data in DM (1861): Java, in saxi sylvarum montis Merapi meridionalis altit. 3-4000' mense Aprili, *Junghuhn*; *Teysmann* sine loco in herb. Dz. et Mb.

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, *Teijsmann* (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.

Collecting data in DM (1845): Borneo, in terra coacervatim, *Korthals*. DM (1861): Borneo, ubi specimina pauca legit *Korthals* herb. reg. Lugd. Bat.

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.

Collecting data in DM (1859): Java; in summo monte Pangerango, *Teysmann* in herb. Dz. et Mb.

Original material:

Java, e summo monte Pangerango, [leg. *Teijsmann*], 910,139-2175 = L0399641 (DM; lectotype, designated by Touw, Trop. Bryol. 28: 89. 2007; labelled by DM; annotation by SL, translated here: 'Hermaphrodite? Related to *Zygodon anomalus*. Inflorescences different and costa ending below the leaf apex'); 910,139-2170 = L0399642 (with *Teijsmann* label); 910,139-2171 = L0629325 (SL).

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

Collecting data in DM (1844): Java. DM (1846): Java, *Korthals*, *Teysmann* in herb. Dz. et Mb.

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.

JAPANESE MOSSES

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 (*Leptohyemium* Dozy & Molk.) and six new species from Japan.

For his treatment in Miquel's *Prolusio florum 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.

Collecting data in DM (1844): Japonia. DM (1846): collegit *Von Siebold*.

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:

Japan, *Textor*, 910,133-1446 = L0367364; 910,133-1447 = L0367365.

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 (frag-

mentary 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.

Collecting data in DM (1854): Japonia, unde fortuita allata est magna copia cum plantis vivis et nobiscum communicata a cl. Ph. Fr. Von Siebold. — In herb. cl. F. Junghuhn sine loci natalis adnotatione.

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).

Japan, comm. Von Siebold, 910,115-539 = L0423531, HDM (initially labelled *F. adianthoides* Hedw. 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 = L0423527 (B ex DM); 910,115-544 = L0423532 (ex DM).

Origin unknown, 910,114-1178 = L0624012 (SL ex DM ex Junghuhn).

Additional material:

Japan, *Textor*, 910,115-532 = L0423530. Japan, *Pompe van Meerdervoort*, 910,115-533 = L0423535.

Notes: Initially, DM labelled their specimens *F. filicinus* Dozy & Molk. Junghuhn may have received his specimen from Von Siebold.

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):

Japan, *Textor*, 910,126-362 = L0060544 (SL; cited as type by Touw, *Blumea* 11: 416. 1962).

Japan, comm. Von Siebold, 910,126-371 = L0101416, HDM (small sample in packet labelled *Leskea glabella* Hedw.?; comment in Dutch on similarity to *Neckera disticha* Hedw.; illustrated in DM (1845, t. 52B)); 910,126-361 = L0101417 (tiny duplicate).

Homalothecium laevisetum Sande Lac. (1866: 298)

Collecting data in SL (1866): Legit *Textor* copiose 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.

Hylocomium cavifolium Sande Lac. (1867: 209). In L sub *Hylocomium brevirostre* (Brid.) Schimp. var. *cavifolium* (Sande Lac.) Noguchi, 1961.

Collecting data in SL (1867): *Textor* specimina perpauca legit.

Original material:

Japan, *Textor*, 910,126-1107 = L0367847; 910,126-1200 = L0367846 (SL).

Leptohymenium sieboldii Dozy & Molk. (1844a: 14; 1844b: 310; 1846: 127). In L sub *Anomodon sieboldii* (Dozy & Molk.) Granzow

Collecting data in DM (1844): Japonia. DM (1846): collegit *Von Siebold*.

Original material:

[Not seen; Japan, *Von Siebold*, L0006933, borrowed by I.G. Granzow-de la Cerda, Ann Arbor, 1997].

Isotype?:

Japan, 999,242-625 = L0623313 (labelled *Leptohymenium sieboldii* by a clerk; with analytic drawings similar to those found on HDM sheets).

Additional material:

[Not seen; Japan, *Textor*, 909,184-300 = L0423566].

Leucobryum glaucum var. *minus* Sande Lac. ex Besch., J. de Bot. (L.Morot) 12: 288. 1898, nom. nud. in synonym of *L. textorii* Besch. In L sub *L. juniperoideum* (Brid.) Müll. Hal.

Original material:

Japan, *Textor*, 910,139-1625 = L0060389 (isotype of *L. textorii* Besch.; identified by SL as '*Leucobryum glaucum* var. *minus* C. Müll.').

Leucobryum scabrum Sande Lac. (1866: 292)

Collecting data in SL (1866): specimina pauca 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.

Macromitrium japonicum Dozy & Molk. (1844a: 16; 1844b:311), ex parte

Collecting data in DM (1844): Japonia.

Original material (ex parte):

Japan, *Von Siebold*, 910,138-1128 = L0101408; (DM; lectotype, designated by Noguchi, J. Hattori Bot. Lab. 30: 211. 1967; with analytic drawings by Noguchi), 910,138-703 = L0101409 (SL ex DM); [*Von Siebold*], 910,138-1135 = L0572114 (DM).

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. ferriei* Cardot & Thér.

Collecting data in DM (1844): Japonia.

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.

Pseudoleskea intermedia Sande Lac. (1866: 297). In L sub *Haplocladium angustifolium* (Hampe & Müll. Hal.) Broth.

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

Original material (syntypes):

Japan, *Von Siebold*, 910,132-245 = L0367842.

Japan, *Textor*, 910,132-251 = L0367843.

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):

Japan, *Bürger*, 910,132-517 = L0367844.

Japan, *Textor*, 910,132-516 = L0367845 (SL); 999,242-610 = L0367852.

Racomitrium japonicum Dozy & Molk. (1848: 130)

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

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

Collecting data in SL (1866): prope Jedo legit *Siebold*. Raro fertile.

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.

Japan, *Von Siebold, Textor*, 910,119-1505 = L0101433 (SL).

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 plicatulum Sande Lac. (1866: 299). In L sub *Thamnobryum plicatulum* (Sande Lac.) Z.Iwats., 1972

Collecting data in SL (1866): specimina feminea florentia legit *Siebold*.

Original material:

Japan, *Von Siebold*, 910,131-62 = L0101440; 910,13-672 = L0101439 (with notes by J. Cardot).

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, Ito Keiske, Pompe van Meerdervoort*.

Original material (syntypes):

Japan, *Pompe van Meerdervoort*, 910,131-149 = L0423571, lectotype, designated by Tan, *Brittonia* 4: 41-43. 1989.

Japan, *Keiske Ito*, 910,131-140 = L059230.

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.

Collecting data in SL (1866): in herb. *Ito Keiske, Siebold, Textor, Buerger, Pompe van Meerdervoort*.

Original material (ex parte):

Japan, *Von Siebold*, 910,132-1585, ex parte = L0059228 (lectotype, designated by Watanabe, *Misc. Bryol. Lichenol.* 2: 51–52. 1960).

Remaining originals: see next item.

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

Collecting data in SL (1866): in herb. *Ito Keiske, Siebold, Textor, Buerger, Pompe van Meerdervoort*.

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:

Japan, *Von Siebold, Textor*, 910,132-61 = L0367840 (used for illustration by SL); 910,132-72 = L0367841 (SL), 910,132-62 = L0367839 (SL).

***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).

SOUTH AMERICAN MOSSES

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.

Collecting data in DM (1854): ad truncos arborum Surinamensium frequens, *Splitgerber* in hb. Acad. Lugd.-Bat. No. 1214.

Original material:

Surinam, ad arborum truncos, *Splitgerber*, 910,102-237 = L0060560 (SL ex DM; holotype).

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

Collecting data in DM (1854): ad terram prope Carracas, unde doct. *P.W. Korthals* reportavit et vir nobiliss. Van Lansbergen nobiscum communicavit.

Original material:

Venezuela, *Korthals*, 910,76-428 = L0623461 (DM); 910,76-431 = L0623458 (DM); 910,76-429 = L0623459 (K, erroneously labelled *Bryum lindbergii* Dozy & Molk.); 910,127-1590 = L0623460 (SL ex DM, comm. Van Lansberge; with copy of letter from by M to Van Lansberge).

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. intermedius* Müll.Hal.

Collecting data in DM (1854): in Surinamo, ubi in terra argillosa collegit *Splitgerber* (herb. Acad. L. Bat.). — Sine loco speciali in Herb. Acad. of nat. sc. at Philadelphia, No. 6.

Original material: not seen.

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

Collecting data in DM (1854): in Venezuela, juxta Rio Catuche, ubi collegit *P.W. Korthals*.

Original material:

Venezuela, *Korthals*, 910,131-2116 = L0060382 (SL ex DM; holotype).

Hypnum surinamense Dozy & Molk.(1854: 25). In L sub *Vesicularia vesicularis* (Schwägr.) Broth.

Collecting data in DM (1854): in Surinamo ad arborum truncos et ramos, *Splitgerber* in herb. Acad. Lugd. Bat. ex eodem loco, sub titulo Hookeriae no. 12, hb. Acad. Scient. Nat. Philadelph.

Original material (syntypes):

Surinam, unknown collector, Herb. Acad. of Nat. Science, *Hookeria* no. 12, 910,109-1012 = L0057285 (SL ex DM; annotated as type by Veling in herb., but not cited by Veling, in: Gorts-Van Rijn (Ed.), Flora of the Guyanas, Ser. C., Bryophytes 1.1996).

[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.

Collecting data in DM (1854): in Venezuela, ad arbores in sylvis juxta Rio Catuche, unde communicavit vir. Nobiliss. *Van Lansbergen*.

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).

Note: Lectotype in NY, selected by Allen & Crosby (J. Hattori Bot. Lab. 61: 423–476. 1986).

Meteorium penicillatum Dozy & Molk. (1854: 45). In L sub *Cryptoapillaria penicillata* (Dozy & Molk.) Menzel

Collecting data in DM (1854): Venezuela, ad arbores in sylvis juxta Rio del Tuy, unde benevole misit vir nobiliss. *Van Lansbergen*.

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.

Collecting data in DM (1854): Venezuela ad terram, in sylvis juxta Rio Catuche.

Original material (syntypes?):

Venezuela, *Van Lansberge*, 910,112-503 = L0623449 (SL ex DM).

Venezuela, ad arbores, *Korthals*, 910,112-501 = L0623451 (SL ex DM).

Venezuela, *Korthals?*, 910,112-484 = L0623450 (SL ex DM).

Note: A terrestrial habitat seems unlikely, since most Neckeraceae grow on rocks or tree trunks.

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

Syrrhopodon cryptocarpus Dozy & Molk. (1854: 14). In L sub *Chameleion cryptocarpus* (Dozy & Molk.) L.Ellis & A.Eddy

Collecting data in DM (1854): in Surinamo, ubi in societate praecedentis [*S. surinamensis* Dozy & Molk.] collegit doct. *Van Beek Vollenhoven* et communicavit cum herb. clariss. Miquel.

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. hornschurchii* Mart.

Collecting data in DM (1854): ad corticem vetustam arborum Surinamensium lecta doct. *Van Beek Vollenhoven* cum herb. clariss. Miquel communicavit.

Original material?:

Surinam, comm. Miquel, 910,125-363 = L0060750 (SL ex DM); 910,125-1009 = L0623448 (SL ex DM, labeled by M).

Note: Florschütz (The mosses of Suriname. Leiden. 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'.

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APPENDIX

Identification of Indonesian collecting localities (G. = Gunung = Mount).

name in catalogue	current name of island	current name of locality	coordinates
Abang	Bali	G. Abang	8° 17' S 115° 26' E
Bandong	Djawa	Bandung	6° 54' S 107° 36' E
Banjer Massing	Kalimantan	Banjarmasin	3° 20' S 114° 35' E
Batoe Angoes	Sulawesi	Batuangus	1° 31' N 125° 16 E
Batoeroesak	Bangka	Baturusa	2° 02' S 106° 07' E
Bima	Sumbawa	Bima	8° 28' S 118° 43' E
Boerangrang	Djawa	G. Burangrang	6° 46' S 107° 33' E
Buitenzorg	Djawa	Bogor	6° 35' S 106° 47' E
Depok	Djawa	Depok	6° 24' S 106° 50' E
Dieng (Plateau)	Djawa	Diyeng	7° 12' S 109° 54' E
Djati-Kalangan	Djawa	Kalanganyar	7° 23' S 112° 47' E
Gedé, Gédé, Gedeh	Djawa	G. Gede(-Pangrango)	6° 47' S 106° 59' E
Gedokan	Djawa	G. Gedogan	6° 38' S 107° 03'E
Gegerbintang	Djawa	G. Gegerbintang	on G. Gede-Pangrango
Grissee	Djawa	Gressik	7° 09' S 112° 38' E
Hariang	Djawa	Hariang	6° 42' S 107° 54' E
Jogjakerta	Djawa	Yogyakarta	7° 48' S 110° 22'E
Kandang-Sapie	Djawa	Kandangsapi	6° 35' S 107° 26' E
Karrau	Kalimantan	Sungei Karau	2° 00' S 114° 54' E
Kawi	Djawa	G. Kawi	7° 55' S 112° 26 E
Klabat	Sulawesi	G. Klabat	1° 28' N 125° 02' E
Klappa	Bangka	Kelapa	1° 52' S 105° 42' E
Krintjing	Djawa	G. Krincing	7° 59' S 113° 40' E
Kuripan	Djawa	Kuripan	6° 25' S 106° 39' E
Limbang	Djawa	Lembang	6° 49' S 107° 36'E.
Limbangan	Djawa	Lempong	7° 09' S 107° 51' E
Malabar	Djawa	G. Malabar	7° 08' S 107° 38' E
Mandalawangie	Djawa	Mandalawangi	on G. Gede-Pangrango
Maros	Sulawesi	Maros	5° 00' S 119° 34' E

Martapoera	Kalimantan	Martapura	3° 25' S 114° 51' E
Megamendong	Djawa	Megamendung	on G. Gede-Pangrango
Menado	Sulawesi	Manado	1° 30' N 124° 50' E
Merapi	Sumatera	G. Marapi	0° 23' S 100° 28' E
Merapi	Djawa	G. Merapi	7° 33' S 110° 26' E
Merbaboe	Djawa	G. Merbabu	7° 27' S 110° 26' E
Minahassa	Sulawesi	Minahasa	tip of N peninsula
Muntok	Bangka	Muntok	2° 04' S 105° 11' E
Padang Bessie	Sumatera	Aik Padangbesi	0° 55' S 100° 25' E
Padang	Sumatera	Padang	0° 57' S 100° 21' E
Padjo	Sumbawa	Doro Maria (?)	8° 29' S 118° 56' E
Pangerango	Djawa	G. Pangrango(-Gede)	6° 46' S 106° 57' E
Papandajang	Djawa	G. Papandayan	7° 20' S 107° 44' E
Parang	Djawa	G. Parang	7° 32' S 108° 20' E
Pasir Kiamis	Djawa	G. Pasir Kiamis	7° 23' S 107° 34' E
Patoeha	Djawa	G. Patuha	7° 10' S 107° 23' E
Pondok Gédé	Djawa	Pondok Gede	on G. Gede-Pangrango
Pontianak	Kalimantan	Pontianak	0° 02' S 109° 20' E
Prabakti	Djawa	G. Perbakti	6° 45' S 106° 41' E
Prang	Bangka	Berang	1° 54' S 105° 26' E
Pulu Sarie	Djawa	G. Pulasari	6° 20' S 105° 58' E
Sakoembang	Kalimantan	Bukit Satui (?)	3° 47' S 115° 27' E
Salak, Sallak	Djawa	G. Salak	6° 42' S 106° 44' E
Samarang	Djawa	Semarang	6° 58' S 110 25' E
Santiang	Djawa	on or near G. Lancang	7° 31' S 107° 52' E
Sedaratoe	Djawa	Sedaratu	on G. Gede-Pangrango
Semiru	Djawa	G. Semeru	8° 05' S 112° 55' E
Seriboe	Djawa	G. Seribu	6° 29' S 106° 33' E
Simpai	Djawa	G. Simpaj	7° 28' S 107° 55' E
Simpan	Bangka	Simpang (near Prang)	1° 54' S 105° 26' E
Sindoro	Djawa	G. Sundoro	7° 17' S 109° 59' E
Singalang	Sumatera	G. Singgalang	0° 24' S 100° 21' E
Slamat	Djawa	G. Slamet	7° 14' S 109° 12' E
Soerabaya	Djawa	Surabaya	7° 15' S 112° 45' E
Soerakarta	Djawa	Surakarta	7° 35' S 110° 50' E
Sonkar	Sumbawa	Doro Ramu (?)	8° 25' S 118° 18' E

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Telagabodas	Djawa	G. Telagabodas	7° 14' S 108° 03' E
Tjerimai	Djawa	G. Ciremay	6° 53' S 108° 25' E
Tjibodas	Djawa	Cibodas	on G. Gede-Pangrango
Tjiburum	Djawa	Cibeureum	on G. Gede-Pangrango
Tjikoerai, Tjicerai	Djawa	G. Cikuray	7° 19' S 107° 52' E
Tjiwidei	Djawa	Kawah Ciwidey	7° 11' S 107° 26' E
Toegoe	Djawa	Tugu	6° 07' S 106° 55' E
Tondano	Sulawesi	Tondano	1° 19' N 124° 54' E
Trogon	Djawa	Tarogong	7° 12' S 107° 52' E
Ungarang	Djawa	G. Ungaran	7° 12' S 110° 20' E
Waijang	Djawa	G. Wayang	7° 12' S 107° 38' E