



Notes on Early Land Plants Today. 73. Genera of Lejeuneaceae established in the period 1884–1893: dates of validation and implications

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Abstract

Dates of validation of generic names initially published as names in subgenera or sections of *Lejeunea* (mainly by Spruce) in the period 1884–1893 are established. Consequences for the dates of validations of specific names are analysed. Names not validly published (both generic and specific names) in this period are also identified. A few species names must be changed from those in common use today and two new combinations, *Rectolejeunea versifolia* and *Lejeunea hyalina*, become necessary.

Introduction

Taxonomic recognition of well-defined segregates within the broadly defined genus *Lejeunea* Libert (1820: 373) began in large part with the monumental treatment of the liverworts of the Amazon and Andes by Spruce (1884). In that work he divided the genus into 38 subgenera distributed between two groups, the Holostipae and the Schizostipae, applying to them names formed by the addition of a descriptive prefix hyphenated to the generic name *Lejeunea*. In an epithet, e.g. in the name of a subgenus, the inclusion of the hyphen is now treated as an error to be corrected by deletion of the hyphen (ICN [Melbourne Code] Art. 60.9, McNeill *et al.* 2012). One additional subgenus, *Lejeunea* subg. *Anomalolejeunea*, was named by Spruce in Pearson (1887). In addition, Stephani (1890a: 19) described a further “Gruppe” that he called “*Cauda-Lejeunea*” and treated at a rank commensurate with Spruce’s subgenera. However, he failed explicitly to connect “*Cauda-Lejeunea*” with a generic name (*cf.* ICN Art. 35.2) so this is not a validly published name of a generic subdivision. All 39 subgenera named by Spruce, as well as Stephani’s “*Caudalejeunea*” and Spruce’s “§ 3. *Strepsi-Lejeunea*”, one of three groups prefixed by ‘§’ and subordinate to *Lejeunea* subg. *Harpa-Lejeunea* (Spruce 1884: 168), but listed as a subgenus on p. 585 and its two species presented in subgeneric form on p. 179 (e.g. “*Strepsi-Lejeunea inflexa*”) of Spruce (1884) were recognized as genera by subsequent authors and have since been typified. However, who should be credited with the first publication of each of these as generic names and when these names, as well as those of certain species, were validly published, has been equivocal for more than a century.

Schiffner (1893b) treated 31 of Spruce’s explicit *Lejeunea* subgenera, his *Lejeunea* ‘§ *Strepsi-Lejeunea*’ and *Caudalejeunea* that he attributed to Stephani as distinct genera and has generally been regarded as the author of each (see Grolle 1983). He considered *Lejeunea* subg. *Microlejeunea* (‘*Micro-Lejeunea*’) to be a subgenus of *Eulejeunea*. He treated the subgenera that Spruce referred to as *Bryo-Lejeunea*, *Omphalo-Lejeunea*, *Ptycho-Lejeunea*, *Thysano-Lejeunea* and *Homalo-Lejeunea* under their original (pre-Sprucean) names—i.e., *Bryopteris*, *Omphalanthus*, *Ptychanthus*, *Thysananthus* and *Marchesinia*, respectively. These five Sprucean subgenera along with *L.* subg. *Dendrolejeunea* (‘*Dendro-Lejeunea*’) and *L.* subg. *Potamolejeunea* (‘*Potamo-Lejeunea*’) were later recognized at the generic rank by Lacouture (1908). Bonner *et al.* (1961) argued that Stephani should be considered the author for 32

of these names, based on either the description of a single new species, thus validating the generic and specific names with a single description (ICN Art. 38.5), or by a clear reference to the previously and effectively published description of the subgenus by Spruce (currently ICN Art. 38.14). However, for either of these scenarios to apply, Stephani must have unambiguously treated the taxon as a genus, rather than a subgenus. Unfortunately, the application of the terms “genus” and “subgenus” by Stephani was very inconsistent. For example, in his “Westindische Hepaticae” (Stephani 1888c: 287) he referred to *Cololejeunea* as a “Subgenus” and in the same paragraph as a genus (“Gattung”). In that same work (l.c: 289), following his binomial treatment “*Pycnolejeunea Schwanecke* St. n. sp.” he referred to the figure on Tab. XIII as “*Lejeunea Schwanecke*”.

After reviewing comparable inconsistencies in the publications by Stephani between 1888 and 1894, Zijlstra (1982) concluded that Stephani generally considered the Sprucean segregates as subgenera, despite sometimes referring to them as genera. Many of Stephani’s genus names predate Schiffner (1893b), to whom authorship of these names has often been ascribed. Schuster (1980a: 711) suggested solving the problem by arbitrarily conserving these names as genera with Spruce as author, a solution recommended earlier by Verdoorn (1934b), and formally proposed to the ICBN by Scott & Zijlstra (1986). This, of course, is not a permissible solution from a nomenclatural point of view, as affirmed by rejection of the proposal at the XIV International Botanical Congress in Berlin in 1987. Only names validly published at the rank involved may be conserved, i.e., a name published as a subgenus cannot be conserved as a genus. Moreover, Spruce (1884: 73) made it clear that he never intended elevating his *Lejeunea* segregates to generic rank and maintained them as subgenera in all his later publications.

Earlier discussions of Spruce’s subgenera have been centered on the possibility that some generic names have been created through a combined generic and specific description (ICN Art. 38.5) (e.g. Gradstein *et al.* 1982). However, there is also a possibility that 1) there might be a clear (but sometimes “cryptic”) reference to Spruce (1884) to justify a combination or 2) there is enough “description” of a generic name (not to be confused with the description of specific names). We think very little is needed to add to the issue of combined generic and specific description. The view that there might be a clear (but sometimes “cryptic”) reference to Spruce to create a new combination has been controversial, primarily because of the issue of rank at which the name is being used. Bonner *et al.* (1961) accepted it for the Stephani (1890a, b, c) papers and Grolle (1983) indicated that there may be enough reference for two taxa in Stephani (1889b) for such a treatment. These views were rejected by Zijlstra (1982) since she concluded that the names were being used by Stephani at the subgeneric rank. This seemingly irresolvable conflict of views has led us to propose that some of Stephani’s works should be suppressed (ICN Art. 34) at the rank of genus. The possibility that there is enough “description” of a generic name in any of the 1884–1893 publications has not been discussed in any earlier publication. There is some evidence that this might be the case in one publication (Stephani 1888c), but the interpretation of the rank of the taxon being described is controversial. This is one of the publications we propose be suppressed at the rank of genus.

According to ICN Art. 41.4, a provision first added, as Art. 33.2, to the St Louis Code (Greuter *et al.* 2000), if conditions for valid publication of the name of a new genus are fulfilled, the name can be treated as a new combination or name at a new rank when this was the author’s presumed intent, even without direct reference to a basionym. An example is *Taxilejeunea* (Spruce) Stephani (1889b: 262). Stephani published the name *Taxilejeunea convexa* Stephani (1889b: 282) for a novel species, providing a detailed description, but failed to supply any reference to *Lejeunea* subg. *Taxilejeunea* Spruce (1884: 212), the presumed basionym for the genus name. The name satisfies the provisions of ICN Art. 38.5 for a combined generic-specific description because the genus at that time was monotypic and no other name had previously been published based on the same type. However, as it clearly was Stephani’s presumed intent to base the generic name on one of Spruce’s subgeneric names, ICN Art. 41.4 is applicable, as, if the name is not so treated, it would otherwise be the name of a new genus (J. McNeill, pers. comm.). As a consequence, the name *Taxilejeunea* is typified by the Sprucean type (*Lejeunea pterigonia* (Lehm. et Lindenb. in Lehmann 1834: 44) Montagne (1840: 337) [= *Taxilejeunea pterigonia* (Lehm. et Lindenb.) Jack & Stephani (1892: 13)]), not by the type of the name of the species described by Stephani.

Prior to what is now ICN Art. 41.4 being added to the Code, *Taxilejeunea* (Stephani 1889b: 362) was arguably not a combination but a new name at the rank of genus, validly published by a combined generic-specific description, the type of which was *Taxilejeunea convexa* Stephani (1889b: 362). As such, the name had priority over a combination based on Spruce’s name and type, *Taxilejeunea* (Spruce) Schiffner (1893b: 125). On this basis, Gradstein *et al.* (1982) proposed conservation of *Taxilejeunea* (Spruce) Schiffn. and three other names, *Acrolejeunea* (Spruce) Schiffn., *Lopholejeunea* (Spruce) Schiffn. and *Trachylejeunea* (Spruce) Schiffn., over the putatively heterotypic Stephani homonyms. Conservation of all four was approved by the Tokyo Congress and Schiffner’s combinations were added to App. III in the Berlin Code (Greuter *et al.* 1988). The addition of ICN Art. 41.4, however, obliges the acceptance of

Stephani as the combining author, the names dating from his publications. As a consequence, the entries in Appendix III of ICN for the four generic names that were conserved in 1987 (*Acrolejeunea*, *Lopholejeunea*, *Taxilejeunea*, *Trachylejeunea*) are now changed and ascribed to “(Spruce) Steph.,” not “(Spruce) Schiffn.” (cf. also ICN Art. 14.4, Note 2). These names are typified by Sprucean types following ICN Art. 41.4, not by the types of the names of the species described by Stephani (Wiersema *et al.* 2015).

Example 9 of ICN Art. 41 cites *Brachiolejeunea* as a name validly published by Stephani (1889a), based on a combined generic-specific description. This particular example is flawed, however, as Stephani (1889a) included a list of species names under *Brachiolejeunea* that he said belonged to the genus, several of which would be new, validly published combinations if the name of the genus had been validly published here. Because *Brachiolejeunea* does not represent a case where the conditions of ICN Art. 38.5 are met, this example will be deleted from the next edition of the ICN (W. Greuter & J. McNeill, pers. comm.). There are several, similar cases of other generic names commonly regarded as validly published by a single combined generic-specific description (cf. Grolle 1983) that are actually validly published in later publications.

The purpose of this paper is to identify where, when and by whom the *Lejeunea* subgenera of Spruce (1884) were established as genera and to identify which specific names (and when) have been validly described/combined in those genera. Some Stephani species were described before the generic names in which they were placed were validly published. Over the years, the names of such species have been treated as validly published, as validly published binomials in *Lejeunea*, or as not validly published, creating confusion that today still causes well-known taxa to be referred to by incorrect citations. This paper deals with the nomenclature of all the names that were originally described as subgenera (or sections) of *Lejeunea* between 1884 and October 1893. Consequences for the dates of valid publication of binomials at species rank are also analysed.

Publications containing Lejeuneaceae taxa 1884–October 1893

We have not found any publication earlier than 1888 in which effectively (validly or not according to the Code) published names in “*Xxxlejeunea*” (= collective term for *Lejeunea* subgenera being treated at genus level) are proposed, either intentionally or accidentally. Papers published in the period 1888–1893 by Stephani are often difficult to interpret in this respect due to variable typography, sometimes in the same paper, and seemingly random use of the terms genus (“Gattung”) and subgenus (“Untergattung”) (see also Bonner *et al.* 1961 and Zijlstra 1982). In Stephani (1890b) he even confused the Latin and German terms for the same thing (“Die Anzahl der neuen Species ist gering; noch weniger zahlreich sind die Arten”). Other authors are generally more clear and consistent. Bescherelle consistently treated the Sprucean subgenera as subgenera in all his publications except his paper from 1892 (which probably was written by Stephani). Spruce also clearly treated his subgenera as such, as did Schiffner until his 1893 treatment. As it is not possible to find clear “internal evidence” that Stephani was treating his taxa as *Lejeunea* species the only possible interpretation is to take what he writes literally. Thus, his “*Xxxlejeunea*” must often be taken as generic names. In addition, it is not possible to treat his combinations as *Lejeunea* combinations when he is not explicitly connecting the genus name to the species (cf. ICN Art. 35.2). This has led us to the conclusion that, to avoid further confusion, the most confusing papers are best proposed for addition to Appendix VI (*opera utique oppressa*; cf. ICN Art. 34). Details, with evidence for effective publication of names and whether they are fulfilling the requirements for valid publication or not are given below. We give the ICN Article whenever needed except for ICN Art. 35.1 (generic name not validly published in the publication or earlier) which concerns the majority of the cases for species names not validly published in those publications.

The names in the indices are direct references to the effectively published descriptions in earlier or current issues, so they can be taken as new combinations or validating names under *Lejeunea*, when such is missing. We have tried to identify such cases here.

In several publications only one new species is described by Stephani and, in addition, one or more taxa are mentioned as belonging to the genus, as in the case of *Brachiolejeunea* (Stephani 1889a: 167), given as Example 9 of ICN Art. 41. *Brachiolejeunea plagiophiloides* is the only new species described, but Stephani further indicates that nine species of *Phragmicoma* Dumortier (1822: 112) and five species of “*Brachio-L.*” also belong to the genus. Thus, the example is in conflict with the ICN Art. 38.5 and will be removed from the Code (see above).

We have also tried to establish when each paper was issued. Bonner *et al.* (1961) gave dates for most publications, but they seem to have used the dates on the printed issue, not the effective publication dates. TL-2 (Stafleu & Cowan

1976–2009) has more accurate information on the effective publication dates and we are following them whenever possible. For each publication we first summarize the nomenclatural impact before we list all new effectively published names, whether validly published or not.

In the list of papers containing names in Lejeuneaceae from the period concerned, we enumerate all generic and binomials at specific rank that we consider validly published, as well as those that we consider to be not validly published names. We present all generic names in bold but only validly published generic names in italic.

Stephani (1888a; Feb.) is the first of two papers on African hepatics. It uses the “Sprucean” subgenera without hyphens in a seemingly generic form. There is no reference, direct or indirect to Spruce (1884), so no new combinations are made and there is nothing that can be taken as a description of a genus. The index indicates that new binomial species names are intended under “*Xxxlejeunea*” by the typography. Moreover, *Lejeunea* entries for these names are lacking. Zijlstra (1982) and Bonner *et al.* (1961) considered that three generic names were established in this and the following publication. They did not regard *Eulejeunea* as established here since Spruce’s subgeneric name was not validly published (ICN Art. 21.3 and 22.1; type of genus included) as Spruce (1884) used the name subg. *Eu-Lejeunea* for what should have been the autonym. However, we consider the genus established on its own merits here. It is not a change in rank; the name is first proposed here, validly published by a combined generic-specific description. One additional generic name is also established by combined generic-specific descriptions (ICN Art. 38.5) and thus are also the two binomial specific names validly published here.

Names validly published:—***Eulejeunea*** Stephani (1888a: 60), *E. hepaticola* Stephani (1888a: 60), ***Microlejeunea*** (Spruce 1884: 286) Stephani (1888a: 61), *M. africana* Stephani (1888a: 61).

Names not validly published:—None.

Stephani (1888b; Mar–Apr) is the second paper on African hepatics. Typography and index are the same as in the previous paper except that hyphens are used in the “*Xxx-Lejeunea*” names in this publication. No reference to Spruce (1884) or any possible description of any genus exists. Two generic names (*Archilejeunea* and *Homalolejeunea*) are established here by combined generic-specific descriptions, with which Bonner *et al.* (1961) and Zijlstra (1982) also agreed. In addition three binomials at specific rank in earlier validly published generic names are validly published here. Three published generic names and six binomials at specific rank were not validly published here.

Names validly published:—***Archilejeunea*** Stephani (Spruce 1884: 88) Stephani (1888b: 113), *A. erronea* Stephani (1888b: 113), ***Eulejeunea*** *flava* (Swartz 1788: 144) Stephani (1888b: 109), *E. rodriguezii* Stephani (1888b: 108), ***Microlejeunea*** *cochlearifolia* Stephani (1889b: 113), ***Homalolejeunea*** (Spruce 1884: 132) Stephani (1888b: 112), *H. henriquesii* Stephani (1888b: 112).

Names not validly published:—***Acrolejeunea*** (Spruce 1884: 115) Stephani (1888b: 107, 112), *A. occulta* Stephani (1888b: 112), *A. renauldii* Stephani (1888b: 107), ***Cheilolejeunea*** (Spruce 1884: 251) Stephani (1888b: 109), *C. newtonii* Stephani (1888b: 109), *C. principensis* Stephani (1888b: 109), ***Mastigolejeunea*** (Spruce 1884: 100) Stephani (1888b: 110, 111), *M. buettneri* Stephani (1888b: 110), *M. crispula* Stephani (1888b: 111).

Stephani (1888c; Nov–Dec) is a paper on Caribbean hepatics where a large number of species are described or combined under generic names that are effectively but not yet validly published. On page 289 Stephani gives a brief but clear description of *Cololejeunea* (“Soweit ich die Arten von *Cololejeunea* kenne, haben sie alle die ...”) and it may seem that he establishes the genus, but on page 287 he talks about *Cololejeunea* both as a subgenus and “Gattung”. There is also a paragraph that might be interpreted as a description of *Ceratolejeunea* on page 283 (“wesentliche Merkmale von *Ceratolejeunea*, dahin gehören...”) which could be sufficient to establish the generic name. Those two genera were not accepted as validly published here by Bonner *et al.* (1961) or Zijlstra (1982) because there is ambiguity regarding the rank at which the names *Cololejeunea* and *Ceratolejeunea* are being described. Neither *Ceratolejeunea*, nor *Cololejeunea* have been accepted as described here by any earlier author, so adding the publication to Appendix VI (ICN Art. 34), suppressing any new generic name from this publication, will have a stabilizing effect on the nomenclature. Binomials in specific rank under earlier validly published generic names can be regarded as validly published here. The index indicates that they should be treated as new species under the suggested “*Xxxlejeunea*” although most genera were not yet established. *Lejeunea schwaneckeii* is validly published here as Stephani uses this name in the legend to the illustration, although he placed it under the name *Pycnolejeunea* in the description itself, a generic name not validly published at this time. Forty-three binomials at specific rank published under 20 generic names are effectively but not validly published new names or combinations since their generic names had not been validly published.

Names validly published:—***Eulejeunea*** *glaucescens* (Gottsche in Gottsche *et al.* 1845b: 378) Stephani (1888c: 286), *E. muscicola* (Spruce 1884: 281) Stephani (1888c: 300), *E. urbanii* Stephani (1888c: 301), ***Lejeunea*** *schwaneckeii* Stephani (1888c: 290), ***Microlejeunea*** *ovifolia* Gottsche *ex* Stephani (1888c: 287).

Names not validly published:—***Bryolejeunea*** (Spruce 1884: 111) Stephani (1888c: 285), *B. diffusa* (Swartz 1788: 144) Stephani (1888c: 300), *B. filicina* (Swartz 1788: 145) Stephani (1888c: 285), ***Ceratolejeunea*** (Spruce 1884: 198) Stephani (1888c: 283), *C. breutelii* (Gottsche in Gottsche *et al.* 1845b: 324) Stephani (1888c: 283), *C. ceratantha* (Nees et Mont. in Montagne 1840: 335) Stephani

(1888c: 283), *C. cornuta* (Lindenberg 1829: 23) Stephani (1888c: 285), *C. cubensis* (Montagne 1842: 481) Stephani (1888c: 300), *C. kegelii* (Lindenberg & Gottsche 1851: 635) Stephani (1888c: 300), *C. spinosa* (Gottsche in Gottsche et al. 1845b: 402) Stephani (1888c: 291), *C. variabilis* (Lindenberg in Gottsche et al. 1845b: 399) Stephani (1888c: 293), **Cheilejeunea** (Spruce 1884: 251) Stephani (1888b: 109), *C. duriuscula* (Nees in Gottsche et al. 1845b: 364) Stephani (1888c: 285, 300), *C. lineata* (Lehm. et Lindenberg in Lehmann 1832: 53) Stephani (1888c: 287), **Cololejeunea** (Spruce 1884: 251) Stephani (1888c: 289), *C. marginata* (Lehm. et Lindenberg in Lehmann 1833: 11) Stephani (1888c: 287), *C. sicifolia* Stephani (1888c: 290), *C. sintenisii* Stephani (1888c: 291), *C. stylosa* Stephani (1888c: 289), **Diplasiolejeunea** (Spruce 1884: 301) Stephani (1888c: 288), *D. pellucida* (Sprengel 1827: 325) Stephani (1888c: 288), **Drepanolejeunea** (Spruce 1884: 186) Stephani (1888c: 286), *D. hamatifolia* (Hooker 1813: tab. 51) Stephani (1888c: 286), *D. inchoata* (Lehm. et Lindenberg in Lehmann 1833: 19) Stephani (1888c: 287), *D. tenuis* (Nees 1830: 57) Stephani (1888c: 292), **Euosmolejeunea** (Spruce 1884: 241) Stephani (1888c: 292), *E. trifaria* (Reinwardt et al. 1824: 226) Stephani (1888c: 292), **Harpalejeunea** (Spruce 1884: 164) Stephani (1888c: 288), *H. patentissima* (Hampe & Gottsche 1853: 355) Stephani (1888c: 288), *H. stricta* (Lindenberg et Gottsche in Gottsche et al. 1847: 756) Stephani (1888c: 291), **Hygrolejeunea** (Spruce 1884: 230) Stephani (1888c: 284), *H. cerina* (Lehm. et Lindenberg in Lehmann 1833: 16) Stephani (1888c: 284), **Leptolejeunea** (Spruce 1884: 193) Stephani (1888c: 285), *L. elliptica* (Lehm. et Lindenberg in Lehmann 1833: 13) Stephani (1888c: 285), **Macrolejeunea** (Spruce 1884: 224) Stephani (1888c: 292), *M. subsimplex* (Mont. et Nees in Montagne 1843: 264) Stephani (1888c: 292, 301), **Neurolejeunea** (Spruce 1884: 84) Stephani (1888c: 283), *N. portoricensis* (Hampe & Gottsche 1853: 352) Stephani (1888c: 288), **Odontolejeunea** (Spruce 1884: 142) Stephani (1888c: 281, 284), *O. accedens* (Gottsche in Gottsche et al. 1845b: 339) Stephani (1888c: 281), *O. berteriana* Stephani (1888c: 282), *O. convexistipa* (Lehm. et Lindenberg in Lehmann 1834: 43) Stephani (1888c: 284), *O. lunulata* (Weber 1815: 33) Stephani (1888c: 287), **Omphalejeunea** (Spruce 1884: 86) Stephani (1888c: 282), *O. filiformis* (Swartz 1788: 144) Stephani (1888c: 285), **Platylejeunea** (Spruce 1884: 124) Stephani (1888c: 282), *P. barbiflora* (Lindenberg & Gottsche 1851: 630) Stephani (1888c: 282), *P. conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) Stephani (1888c: 284), *P. granulata* (Nees 1833: 352) Stephani (1888c: 285), *P. transversalis* (Swartz 1788: 144) Stephani (1888c: 292, 301), *P. vincentina* (Gottsche in Gottsche et al. 1845b: 313) Stephani (1888c: 293), **Prionolejeunea** (Spruce 1884: 152) Stephani (1888c: 285), *P. denticulata* (Weber 1815: 30) Stephani (1888c: 285), **Pycnolejeunea** (Spruce 1884: 246) Stephani (1888c: 289), *P. macroloba* (Nees et Mont. in Montagne 1843: 260) Stephani (1888c: 290), *P. schwaneckeii* Stephani (1888c: 289), **Stictolejeunea** (Spruce 1884: 81) Stephani (1888c: 287), *S. squamata* (Willd. in Weber 1815: 33) Stephani (1888c: 291), **Strepsilejeunea** (Spruce 1884: 168) Stephani (1888c: 287), *S. involuta* (Gottsche in Gottsche et al. 1845b: 350) Stephani (1888c: 287), **Taxilejeunea** (Spruce 1884: 212) Stephani (1888c: 281), *T. antillana* Stephani (1888c: 281), *T. eggersiana* Stephani (1888c: 285).

Stephani (1889a; Mar) is the second in a series of three papers about Australian hepatics (the first part does not include any Lejeuneaceae).

Brachiolejeunea has been considered established here by a combined generic-specific description following ICN Art. 41 Ex. 9, but since more than one *Brachiolejeunea* species is accepted, the name *Brachiolejeunea* is not validly published here (see above). *Lopholejeunea* seems to be validly published here through the specific description of *Lopholejeunea norfolkensis* treated as a combined generic-specific one, but as Stephani writes “dieses grossen Subgenus” it is apparent that he treated it at subgeneric rank. The index has new taxa under “*Xxxlejeunea*” and sometimes also under *Lejeunea*, but identifies taxa as new only under “*Xxxlejeunea*”. Bonner et al. (1961) also regarded *Drepanolejeunea* as validly published here, but since more than one species are described the conditions for a combined generic-specific description are not fulfilled. One genus, *Euosmolejeunea*, is validly published by a combined generic-specific description and three additional binomials under earlier validly published generic names are validly named or combined here. Twenty-six binomials published under six generic names are not validly named or combined since their genera had not been validly published.

Names validly published:—**Eulejeunea** *armittii* Stephani (1889a: 169), *E. denticalyx* Stephani (1889a: 169), *E. drummondii* (Taylor 1846: 400) Stephani (1889a: 170), *E. subelobata* (Carrington & Pearson 1888: 1039) Stephani (1889a: 170), **Euosmolejeunea** (Spruce 1884: 241) Stephani (1889a: 170), *E. sayeri* Stephani (1889a: 170).

Names not validly published:—**Acrolejeunea** (Spruce 1884: 115) Stephani (1889a: 164, 165), *A. hartmannii* Stephani (1889a: 164), *A. novae-guineae* Stephani (1889a: 165), *A. occulta* Stephani (1889a: 166), *A. pappeana* (Nees in Gottsche et al. 1845a: 296) Stephani (1889a: 166), *A. peradeniensis* (Mitten 1860b: 111) Stephani (1889a: 166), *A. polycarpa* (Nees 1833: 350) Stephani (1889a: 166), *A. pulopenangensis* (Gottsche in Gottsche et al. 1845a: 299) Stephani (1889a: 166), *A. terminalis* (Spruce 1884: 116) Stephani (1889a: 166), *A. wildii* Stephani (1889a: 165), **Brachiolejeunea** (Spruce 1884: 129) Stephani (1889a: 167), *B. birmensis* Stephani (1889a: 167), *B. caledonica* Stephani (1889a: 167), *B. papilionacea* Stephani (1889a: 167), *B. plagiophiloides* Steph. et Spruce in Stephani (1889a: 167), *B. securifolia* Stephani (1889a: 168), *B. succisa* Stephani (1889a: 168), **Cololejeunea** (Spruce 1884: 251) Stephani (1889a: 168), *C. bistyla* Stephani (1889a: 168), *C. trichomanis* (Gottsche 1882: 362) Stephani (1889a: 168), **Drepanolejeunea** (Spruce 1884: 186) Stephani (1889a: 168), *D. grossidens* Stephani (1889a: 168), *D. ternatensis* (Gottsche in Gottsche et al. 1845b: 346) Stephani (1889a: 169), **Hygrolejeunea** (Spruce 1884: 230) Stephani (1889a: 171), *H. chalmersii* Stephani (1889a: 171), *H. norfolkensis* Stephani (1889a: 171), *Hygrolejeunea rostrata* Stephani (1889a: 172), *H. sacculifera* Stephani (1889a: 172), *H. sayeri* Stephani (1889a: 173), **Leptolejeunea** (Spruce 1884: 193) Stephani (1889a: 173), *L. australis* Stephani (1889a: 173), *L. denticulata*

Stephani (1889a: 174), *L. rosulans* Stephani (1889a: 174), **Lopholejeunea** (Spruce 1884: 119) Stephani (1889a: 175), *L. norfolkensis* Stephani (1889a: 175).

Stephani (1889b; Apr) is the third and last paper in the series on Australian hepatics. It follows the same style as the previous paper. There is an indirect reference to Spruce's publication (p. 259), but the connection to any generic name is weak and at best ambiguous, which Grolle (1983) also points out. Bonner *et al.* (1961) recognized more genera as valid (for the same reason as the *Brachiolejeunea* example above), but Zijlstra (1982) agreed with our interpretation. New species are only treated under "*Xxxlejeunea*" in the index. Two generic names, *Taxilejeunea* and *Trachylejeunea*, are established by a combined generic-specific descriptions in addition to one binomial at specific rank under an earlier validly published generic name. In addition one name in *Lejeunea* is validly published here. Twenty-six binomials in specific rank under five generic names are not validly published.

Names validly published:—***Lejeunea plagiochiloides*** Stephani (1889b: 257), ***Microlejeunea erectifolia*** (Spruce 1887: 36) Stephani (1889b: 259), ***Taxilejeunea*** (Spruce 1884: 212) Stephani (1889b: 262), *T. convexa* Stephani (1889b: 262), ***Trachylejeunea*** (Spruce 1884: 180) Stephani (1889b: 262), *T. elegantissima* Stephani (1889b: 262).

Names not validly published:—***Mastigolejeunea*** (Spruce 1884: 100) Stephani (1889b: 257), *M. anguiformis* Stephani (1889b: 257), *M. buettneri* Stephani (1889b: 257), *M. crispula* Stephani (1889b: 257), *M. innovans* (Spruce 1884: 103) Stephani (1889b: 258), *M. longidens* Stephani (1889b: 258), *M. nigra* Stephani (1889b: 258), *M. phaea* Stephani (1889b: 257), *M. plicatiflora* (Spruce 1884: 104) Stephani (1889b: 258), ***Ptycholejeunea*** (Spruce 1884: 97) Stephani (1889b: 258), *P. birmensis* Stephani (1889b: 258), *P. perrottetii* Stephani (1889b: 259), *P. recondita* Stephani (1889b: 259), *P. stephensoniana* (Mitten 1852: 155) Stephani (1889b: 258), *P. theobromae* (Spruce 1884: 99) Stephani (1889b: 259), ***Pycnolejeunea*** (Spruce 1884: 246) Stephani (1889b: 259), *P. bidentula* Stephani (1889b: 259), *P. ceylanica* (Gottsche in Gottsche *et al.* 1845a: 259) Stephani (1889b: 259), *P. curvatiloba* Stephani (1889b: 260), *P. longidens* Stephani (1889b: 260), ***Strepsilejeunea*** (Spruce 1884: 168) Stephani (1889b: 260), *S. austrina* Stephani (1889b: 260), *S. luchmannii* Stephani (1889b: 261), ***Thysanolejeunea*** (Spruce 1884: 105) Stephani (1889b: 262), *T. abietina* Stephani (1889b: 263), *T. amazonica* (Spruce 1884: 106) Stephani (1889b: 263), *T. cucullata* Stephani (1889b: 263), *T. dissoptera* (Spruce 1884: 108) Stephani (1889b: 263), *T. pterobryoides* (Spruce 1884: 109) Stephani (1889b: 263), *T. reversa* Stephani (1889b: 263), *T. vittata* (Mitten 1873: 411) Stephani (1889b: 263).

Stephani (1890a, b, c) is a series of papers about the genus *Lejeunea* in Lindenberg's herbarium. These are very messy papers, even by the Stephani standard. In the introduction Stephani only talks about Spruce's subgenera. In these papers he uses the terms "Genus", "Subgenus", "Gattung" and "Abtheilung" seemingly interchangeably. Bonner *et al.* (1961) considered 22 subgeneric names to be validly combined to form new generic names, but Zijlstra (1982) and Grolle (1983) concluded that no generic names were validly published here. In this series of papers Stephani also uses the same specific epithet for taxa in several (sub)genera, suggesting that he interpreted them as something in between genera and subgenera as we think about them today. As his intention is so unclear, and no consensus has been reached in spite of more than 50 years of debate, this series of publications will be proposed for suppression at the rank of genus (Appendix VI of the ICN). New names or combinations under *Lejeunea* are validly published here, but only when definitely associated with the generic name (*cf.* ICN Art. 35.2). Binomials at specific rank under "*Xxxlejeunea*" names validly published earlier can be regarded as validly published in this series of publications if they are definitely associated with the genus.

Stephani (1890a; Jan fide TL-2) treated all species under their pre-Sprucean names, including *Lejeunea* among others, but said that they belong to various "*Xxxlejeunea*" placing the hyphenated and abbreviated Sprucean names after them; e.g., "*Lejeunea squamata* (Willd.) Nees zu *Sticto-Lej. Spr.*" (p. 17). There is considerable disagreement as to whether the Sprucean names are being used at generic or subgeneric rank, even among the authors of this paper. As discussed above, it is because of this uncertainty, we are proposing that this publication be suppressed at the rank of genus. A new subgenus, *Lejeunea* subg. *Caudalejeunea* Stephani (1890a: 18) is generally accepted as validly published here, but there is no definite connection to the genus *Lejeunea*, which renders it not validly published (*cf.* ICN Art. 35.2). Three binomials are validly published here since the generic name was validly published earlier. Another 13 binomials are used in the text but not validly published since the generic name had not been validly published (some of these are also not validly published for additional reasons).

Names validly published:—***Archilejeunea bongardii*** Stephani (1890a: 20), *A. clypeata* (Schweinitz 1821: 12) Stephani (1890a: 21), *A. mariana* (Gottsche in Gottsche *et al.* 1845b: 337) Stephani (1890a: 17).

Names not validly published:—***Acrolejeunea*** (Spruce 1884: 115) Stephani (1890a: 7), *A. borgenii* Stephani (1890a: 10), *A. cumingiana* (Montagne 1845a: 7) Stephani (1890a: 20), *A. fertilis* (Reinwardt *et al.* 1824: 211) Stephani (1890a: 10), *A. polycarpa* (Nees 1833: 350) Stephani (1890a: 22), ***Brachiolejeunea*** (Spruce 1884: 129) Stephani (1890a: 7), *B. corticalis* (Lehm. et Lindenb. in Lehmann 1832: 50) Stephani (1890a: 7), *B. laxifolia* (Taylor 1847: 341) Stephani (1890a: 7), *B. tristis* Stephani (1890a: 8), ***Bryolejeunea*** (Spruce 1884: 111) Stephani (1890a: 2), ***Caudalejeunea*** Stephani (1890a: 18), *C. leiboldii* Stephani (1890a: 19), ***Ceratolejeunea*** (Spruce 1884: 198) Stephani (1890a: 16, 18), ***Cololejeunea*** (Spruce 1884: 251) Stephani (1890a: 18), ***Dicranolejeunea*** (Spruce 1884: 138) Stephani (1890a: 16), *D. mexicana* (Lindenb. in Gottsche *et al.* 1845a: 325) Stephani (1890a: 13), *D. phyllorhiza* (Nees 1833: 348) Stephani (1890a: 7), ***Homalolejeunea brachiata*** (Swartz 1788: 144) Stephani (1890a: 14) ICN Art. 41.1; basionym not valid, *H. guilleminiana* (Montagne 1841: 128) Stephani (1890a: 14) ICN 41.1 (basionym not valid), ***Hygrolejeunea*** (Spruce

1884: 230) Stephani (1890a: 23), **Lopholejeunea** (Spruce 1884: 119) Stephani (1890a: 16), *L. nigricans* (Lindenb. in Gottsche et al. 1845a: 316) Stephani (1890a: 16), *L. zollingeri* Stephani (1890a: 14), **Mastigolejeunea** (Spruce 1884: 100) Stephani (1890a: 8), *M. ligulata* (Lehm. et Lindenb. in Lehmann 1834: 39) Stephani (1890a: 8), *M. versicolor* (Lehm. et Lindenb. in Gottsche et al. 1845a: 297) Stephani (1890a: 8), **Odontolejeunea** (Spruce 1884: 142) Stephani (1890a: 19), *O. convexistipa* (Lehm. et Lindenb. in Lehmann 1834: 43) Stephani (1890a: 20), *O. peruviana* (Lehm. et Lindenb. in Lehmann 1833: 18) Stephani (1890a: 19), *O. sagittistipula* Stephani (1890a: 19), **Peltolejeunea** (Spruce 1884: 85) Stephani (1890a: 23), **Platylejeunea** (Spruce 1884: 124) Stephani (1890a: 13), *P. setosa* Stephani (1890a: 14), **Ptycholejeunea** (Spruce 1884: 97) Stephani (1890a: 5), *P. perrottetii* Stephani (1890a: 5), **Pycnolejeunea** (Spruce 1884: 246) Stephani (1890a: 10, 11), *P. macroloba* (Nees et Mont. in Montagne 1843: 260) Stephani (1890a: 10), *P. meyeniana* (Gottsche et al. 1843: 472) Stephani (1890a: 11), **Stictolejeunea** (Spruce 1884: 81) Stephani (1890a: 17), **Thysanolejeunea** (Spruce 1884: 105) Stephani (1890a: 4).

Stephani (1890b; Feb fide TL-2) is the continuation of his review of Lindenbergs herbarium. Here he changed the style of writing the names and only used “*Xxlejeunea*” as binomials at specific rank, except in discussions of a few taxa, and he seems to treat them differently than in the first part (as if he changed his mind between publication of the two parts). He did not refer to any generic name without binomials and thus, no generic name can be considered validly published here. However, binomials at specific rank are validly published if the generic name was published validly earlier. Fifty-five binomials under five generic names are validly published here as the generic names were validly published earlier. As many as 139 binomials at specific rank under 18 generic names (including three names in *Lejeunea*) are effectively but not validly published here.

Names validly published:—**Eulejeunea** *angusta* (Lehm. et Lindenb. in Lehmann 1832: 52) Stephani (1890b: 86), *E. caespitosa* (Lindenb. in Gottsche et al. 1845b: 384) Stephani (1890b: 86), *E. capensis* (Gottsche in Gottsche et al. 1845b: 374) Stephani (1890b: 83), *E. clavata* (Lindenb. in Gottsche et al. 1845b: 379) Stephani (1890b: 85), *E. concava* (Lindenb. et Gottsche in Gottsche et al. 1847: 759) Stephani (1890b: 78), *E. corallina* Stephani (1890b: 83), *E. diversistipa* (Lindenb. in Gottsche et al. 1847: 765) Stephani (1890b: 85), *E. eckloniana* (Lindenb. in Gottsche et al. 1845b: 381) Stephani (1890b: 86), *E. glaucophylla* (Gottsche 1857: 345) Stephani (1890b: 87), *E. gottscheana* (Lindenb. in Gottsche et al. 1845b: 382) Stephani (1890b: 86), *E. haitica* (Nees et Mont. in Montagne 1843: 263) Stephani (1890b: 89), *E. huctumalcensis* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) Stephani (1890b: 81), *E. laeta* (Lehm. et Lindenb. in Lehmann 1834: 45) Stephani (1890b: 85), *E. laetevirens* (Nees et Mont. in Montagne 1842: 469) Stephani (1890b: 87), *E. laxa* (Nees 1830: 43) Stephani (1890b: 85), *E. lepida* (Lindenb. et Gottsche in Gottsche et al. 1847: 766) Stephani (1890b: 87), *E. lucens* (Taylor 1846: 399) Stephani (1890b: 84), *E. magnoliae* (Lindenb. et Gottsche in Gottsche et al. 1847: 763) Stephani (1890b: 81), *E. nudipes* (Hooker & Taylor 1844c: 568) Stephani (1890b: 82), *E. olivacea* Stephani (1890b: 85), *E. pulvinata* (Nees & Montagne 1836: 61) Stephani (1890b: 86), *E. radicans* (Lindenb. et Gottsche in Gottsche et al. 1847: 766) Stephani (1890b: 87), *E. seriata* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) Stephani (1890b: 81), *E. serpyllifolia* (Libert 1820: 374) Stephani (1890b: 83), *E. spiniloba* (Lindenb. et Gottsche in Gottsche et al. 1847: 770) Stephani (1890b: 98), *E. tabularis* (Sprengel 1827: 325) Stephani (1890b: 83), *E. vogelii* (Taylor 1846: 397) Stephani (1890b: 98), *E. wallichiana* (Lehmann 1831: 5) Stephani (1890b: 78), *E. wightii* (Lindenb. in Gottsche et al. 1845b: 379) Stephani (1890b: 85), *E. zacuapana* Stephani (1890b: 87), **Euosmolejeunea** *beyrichii* (Lindenb. in Gottsche et al. 1845b: 371) Stephani (1890b: 82), *E. contigua* (Nees 1833: 360) Stephani (1890b: 78), *E. duriuscula* (Nees in Gottsche et al. 1845b: 364) Stephani (1890b: 80), *E. implexicaulis* (Hooker & Taylor 1844a: 397) Stephani (1890b: 84), *E. lutea* (Mont. ex Gottsche et al. 1845b: 383) Stephani (1890b: 86), *E. opaca* (Gottsche in Gottsche et al. 1845b: 352) Stephani (1890b: 79), *E. orientalis* (Gottsche in Gottsche et al. 1845b: 371) Stephani (1890b: 82), *E. parvistipula* (Lindenb. et Gottsche in Gottsche et al. 1847: 761) Stephani (1890b: 80), *E. tenella* (Taylor 1846: 398) Stephani (1890b: 87), **Lejeunea** *papilliloba* Stephani (1890b: 73), *L. poeppigiana* (Nees in Gottsche et al. 1845b: 396) Stephani (1890b: 92), *L. pyriformis* Stephani (1890b: 93), *nom. illeg.* (ICN Art. 53.1; non Lindenb. et Gottsche in Gottsche et al. 1847: 767), **Microlejeunea** *albicans* (Nees in Gottsche et al. 1845b: 386) Stephani (1890b: 88), *M. albobivens* (Hooker & Taylor 1844a: 397) Stephani (1890b: 88), *M. bullata* (Taylor 1846: 398) Stephani (1890b: 90), *M. microstipula* Stephani (1890b: 89), *M. primordialis* (Hooker & Taylor 1845: 92) Stephani (1890b: 84), *M. punctiformis* (Taylor 1846: 398) Stephani (1890b: 90), *M. stricta* Stephani (1890b: 90), *M. ulicina* (Taylor 1844: 115) Stephani (1890b: 88), **Taxilejeunea** *caripensis* (Lindenb. et Gottsche in Gottsche et al. 1847: 758) Stephani (1890b: 75), *T. chamissonis* (Lindenb. in Gottsche et al. 1845b: 378) Stephani (1890b: 85), *T. conformis* (Nees et Mont. in Montagne 1843: 260) Stephani (1890b: 75), *T. cordistipula* (Lindenb. et Gottsche in Gottsche et al. 1847: 758) Stephani (1890b: 75), *T. flaccida* (Lindenb. et Gottsche in Gottsche et al. 1847: 758) Stephani (1890b: 75), *T. neumanniana* (Nees in von Flotow et al. 1842: 44) Stephani (1890b: 75), *T. tenera* (Swartz 1788: 143) Stephani (1890b: 98), **Trachylejeunea** *ambigua* (Lindenb. et Gottsche in Gottsche et al. 1847: 764) Stephani (1890b: 84), *T. raddiana* (Lindenb. in Gottsche et al. 1845b: 342) Stephani (1890b: 70).

Names not validly published:—**Archilejeunea** *conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) Stephani (1890b: 73) ICN Art. 41.1; basionym not valid, **Ceratolejeunea** (Spruce 1884: 198) Stephani (1890b: 91–95), *C. amazonica* Stephani (1890b: 91), *C. belangeriana* (Gottsche in Gottsche et al. 1845b: 398) Stephani (1890b: 93), *C. brasiliensis* (Gottsche in Gottsche et al. 1845b: 398) Stephani (1890b: 93), *C. ceratantha* (Nees et Mont. in Montagne 1840: 335) Stephani (1890b: 92), *C. coarina* (Gottsche in Gottsche et al. 1845b: 395) Stephani (1890b: 91), *C. cornuta* (Lindenb. 1829: 23) Stephani (1890b: 94), *C. filaria* (Lehmann 1844: 28)

Stephani (1890b: 96), *C. guianensis* (Nees et Mont. in Montagne 1840: 335) Stephani (1890b: 92), *C. haeckeriana* (Gottsche et Lindenb. in Gottsche et al. 1845b: 401) Stephani (1890b: 95), *C. involvens* (Nees et Mont. in Montagne 1840: 336) Stephani (1890b: 95), *C. longicornis* (Gottsche in Gottsche et al. 1845b: 401) Stephani (1890b: 95), *C. martiana* (Gottsche in Gottsche et al. 1845b: 398) Stephani (1890b: 93), *C. miradorensis* Stephani (1890b: 93), *C. pyriformis* (Stephani (1890b: 93), *C. radicata* (Nees ex Montagne 1842: 475) Stephani (1890b: 95), *C. rigidula* (Nees ex Montagne 1840: 336) Stephani (1890b: 82), *C. singaporensis* (Lindenb. in Gottsche et al. 1845b: 397) Stephani (1890b: 93), *C. splitgerberiana* (Montagne 1841: 112) Stephani (1890b: 95), *C. variabilis* (Lindenb. in Gottsche et al. 1845b: 399) Stephani (1888c: 293), **Cheilolejeunea** (Spruce 1884: 251) Stephani (1890b: 80–86), *C. bethanica* (Gottsche in Gottsche et al. 1845b: 381) Stephani (1890b: 86), *C. clausa* (Nees et Mont. in Montagne 1840: 337) Stephani (1890b: 80), *C. duriuscula* (Nees in Gottsche et al. 1845b: 364) Stephani (1890b: 81), *C. gaudichaudii* (Lindenb. in Gottsche et al. 1845b: 372) Stephani (1890b: 82), *C. intertexta* (Lindenb. in Gottsche et al. 1845b: 379) Stephani (1890b: 85), *C. lineata* (Lehm. et Lindenb. in Lehmann 1832: 53) Stephani (1890b: 82), *C. lurida* (Lindenb. in Gottsche et al. 1845b: 379) Stephani (1890b: 85), *C. melastomatis* (Lindenb. et Gottsche in Gottsche et al. 1847: 763) Stephani (1890b: 82), *C. myriantha* (Nees et Mont. in Gottsche et al. 1845b: 398) Stephani (1890b: 80), *C. oxyloba* (Lindenb. et Gottsche in Gottsche et al. 1847: 770) Stephani (1890b: 81, 98), *C. sandvicensis* Stephani (1890b: 88), *C. trinitensis* (Lindenb. in Gottsche et al. 1845b: 381) Stephani (1890b: 86), *C. virescens* (Lehm. et Lindenb. in Lehmann 1838: 21) Stephani (1890b: 82), *C. xanthophylla* (Lindenb. in Gottsche et al. 1845b: 370) Stephani (1890b: 81), **Cololejeunea** (Spruce 1884: 251) Stephani (1890b: 71–96), *C. calcarea* (Libert 1820: 373) Stephani (1890b: 71), *C. cardiocarpa* (Montagne 1842: 476) Stephani (1890b: 91), *C. cuneata* (Lehm. et Lindenb. in Lehmann 1832: 56) Stephani (1890b: 91), *C. epiphyta* (Gottsche in Gottsche et al. 1845b: 391) Stephani (1890b: 90), *C. floccosa* (Lehm. et Lindenb. in Lehmann 1833: 26) Stephani (1890c: 135), *C. haskarliana* (Lehmann 1844: 26) Stephani (1890b: 72), *C. kegelii* Stephani (1890b: 91), *C. lhotzkiana* (Hampe in Gottsche et al. 1845b: 389) Stephani (1890b: 89), *C. marginata* (Lehm. et Lindenb. in Lehmann 1833: 11) Stephani (1890b: 91), *C. microscopica* (Taylor 1836: 59) Stephani (1890b: 72), *C. minutissima* (Sm. in Smith & Sowerby 1806: tab. 1633) Stephani (1890b: 88), *C. montagnei* Stephani (1890b: 96), *C. myriocarpa* (Nees et Mont. in Montagne 1842: 473) Stephani (1890b: 89), *C. papilliloba* (Stephani 1890b: 73), *C. pyriformis* (Lindenb. et Gottsche in Gottsche et al. 1847: 767) Stephani (1890b: 89), **Colurolejeunea** (Spruce 1884: 303) Stephani (1890b: 97–98), *C. acroloba* Stephani (1890b: 97), *C. calyptrifolia* (Hooker 1813: tab. 43) Stephani (1890b: 97), *C. ceratophora* (Nees in Gottsche et al. 1845b: 405) Stephani (1890b: 97), *C. junghuhniana* Stephani (1890b: 97), *C. tortifolia* (Nees et Mont. in Montagne 1843: 265) Stephani (1890b: 98), **Crossotolejeunea** (Spruce 1884: 161) Stephani (1890b: 70), *C. boryana* (Montagne 1838: 47) Stephani (1890b: 70), *C. crenata* (Nees et Mont. in Montagne 1838: 48) Stephani (1890b: 70), **Diplasiolejeunea** (Spruce 1884: 301) Stephani (1890b: 90–91), *D. kraussiana* (Lindenb. in Gottsche et al. 1845b: 393) Stephani (1890b: 91), *D. pellucida* (C.F.W.Meissn. ex Sprengel 1827: 325) Stephani (1890b: 91), *D. unidentata* (Lehm. et Lindenb. in Lehmann 1834: 48) Stephani (1890b: 90), **Drepanolejeunea** (Spruce 1884: 186) Stephani (1890b: 70–90), *D. bidens* Stephani (1890b: 71), *D. capulata* (Taylor 1846: 394) Stephani (1890b: 71), *D. hamatifolia* (Hooker 1813: tab. 51) Stephani (1890b: 71), *D. hampeana* Stephani (1890b: 70), *D. inchoata* (C.F.W.Meissn. in Lehmann 1833: 19) Stephani (1890b: 70), *D. latitans* (Hooker & Taylor 1844a: 399) Stephani (1890b: 72), *D. lyratifolia* (Hook.f. et Taylor in Taylor 1846: 393) Stephani (1890b: 71), *D. muricata* (Gottsche in Gottsche et al. 1845b: 348) Stephani (1890b: 74), *D. palmifolia* (Nees 1833: 366) Stephani (1890b: 74), *D. plicatiloba* (Hooker & Taylor 1845: 92) Stephani (1890b: 81), *D. tenuis* (Nees 1830: 57) Stephani (1890b: 90), *D. ternatensis* (Gottsche in Gottsche et al. 1845b: 346) Stephani (1890b: 73), *D. teysmannii* (Gottsche 1882: 360) Stephani (1890b: 72), *D. tridactyla* (Gottsche in Gottsche et al. 1845b: 347) Stephani (1890b: 73), **Eulejeunea remotifolia** Stephani (1890b: 86) ICN Art. 38.1(a); no description, **Harpalejeunea** (Spruce 1884: 164) Stephani (1890b: 70–85), *H. cinchonae* (Nees in Gottsche et al. 1845b: 342) Stephani (1890b: 70), *H. ovata* (Hooker 1813: tab. 42) Stephani (1890b: 84), *H. oxyphylla* (Nees et Mont. in Montagne 1843: 264) Stephani (1890b: 76), *H. parasitica* (Hooker & Taylor 1844b: 477) Stephani (1890b: 85), *H. stricta* (Lindenb. et Gottsche in Gottsche et al. 1847: 756) Stephani (1890b: 70), **Hygrolejeunea** (Spruce 1884: 230) Stephani (1890b: 74–98), *H. alata* (Gottsche in Gottsche et al. 1845b: 406) Stephani (1890b: 98), *H. cerina* (Lehm. et Lindenb. in Lehmann 1833: 16) Stephani (1890b: 90), *H. cordifissa* (Taylor 1846: 395) Stephani (1890b: 80), *H. delessertii* (Nees et Mont. in Montagne 1843: 260) Stephani (1890b: 74), *H. densistipula* (Lehm. et Lindenb. in Lehmann 1838: 20) Stephani (1890b: 81), *H. deplanata* (Nees in Gottsche et al. 1845b: 368) Stephani (1890b: 81), *H. discreta* (Lindenb. in Gottsche et al. 1845b: 361) Stephani (1890b: 78), *H. eluta* (Nees 1833: 362) Stephani (1890b: 78), *H. heterocheila* (Taylor 1846: 394) Stephani (1890b: 95), *H. leucophylla* (Lindenb. in Gottsche et al. 1845b: 369) Stephani (1890b: 81), *H. microloba* (Taylor 1846: 399) Stephani (1890b: 85), *H. orba* (Gottsche in Gottsche et al. 1845b: 352) Stephani (1890b: 95), *H. pallida* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) Stephani (1890b: 81), *H. phyllobola* (Nees et Mont. in Montagne 1842: 471) Stephani (1890b: 81), *H. pterota* (Hooker & Taylor 1845: 91) Stephani (1890b: 81), *H. sordida* (Nees 1830: 41) Stephani (1890b: 80), **Lejeunea fallax-vellongicornis** Stephani (1890b: 96) ICN Art. 38.1(a); no description, **Leptolejeunea** (Spruce 1884: 193) Stephani (1890b: 270), *L. corynophora* (Gottsche et al. 1843: 474) Stephani (1890b: 97), *L. denticulata* Stephani (1890b: 70), *L. elliptica* (Lehm. et Lindenb. in Lehmann 1833: 13) Stephani (1890b: 96), *L. neesii* (Mont. in Nees & Montagne 1836: 62) Stephani (1890b: 74), *L. polyrhiza* (Nees in Gottsche et al. 1845b: 403) Stephani (1890b: 96), *L. stenophylla* (Lindenb. et Gottsche in Gottsche et al. 1847: 769) Stephani (1890b: 96), *L. trematodes* (Nees in Nees & Montagne 1836: 62) Stephani (1890b: 74), *L. vitrea* (Nees

1830: 56) Stephani (1890b: 96), **Macrolejeunea** (Spruce 1884: 100) Stephani (1890b: 90), *M. subsimplex* (Mont. et Nees in Montagne 1843: 264), **Odontolejeunea** (Spruce 1884: 142) Stephani (1890b: 69), *O. accedens* (Gottsche in Gottsche et al. 1845b: 339) Stephani (1890b: 69), *O. lunulata* (Weber 1815: 33) Stephani (1890b: 98), *O. peruviana* (Lehm. et Lindenb. in Lehmann 1833: 18) Stephani (1890b: 69), **Prionolejeunea** (Spruce 1884: 152) Stephani (1890b: 69–70), *P. aemula* (Gottsche in Gottsche et al. 1845b: 338) Stephani (1890b: 69), *P. angulistipa* Stephani (1890b: 69), *P. decora* (Taylor 1846: 393) Stephani (1890b: 69), *P. denticulata* (Weber 1815: 30) Stephani (1890b: 68), *P. guadalupensis* (Lindenb. in Gottsche et al. 1845b: 340) Stephani (1890b: 70), *P. meissneri* (Gottsche in Gottsche et al. 1845b: 340) Stephani (1890b: 69), *P. microdonta* (Gottsche in Gottsche et al. 1845b: 337) Stephani (1890b: 69), *P. serrulata* (Montagne 1842: 479) Stephani (1890b: 69), **Pycnolejeunea** (Spruce 1884: 246) Stephani (1890b: 76–86), *P. adnata* (Kunze ex Lehmann 1834: 46) Stephani (1890b: 81), *P. callosa* (Gottsche in Gottsche et al. 1845b: 359) Stephani (1890b: 77), *P. ceylanica* (Gottsche in Gottsche et al. 1845a: 259) Stephani (1890b: 77), *P. densiuscula* Stephani (1890b: 86) ICN Art. 38.1(a); no description, *P. discoidea* (Lehm. et Lindenb. in Lehmann 1834: 47) Stephani (1890b: 86), *P. hyalina* Stephani (1890b: 77), *P. imbricata* (Nees 1830: 42) Stephani (1890b: 77), *P. incisa* (Gottsche in Gottsche et al. 1845b: 360) Stephani (1890b: 77), *P. macroloba* (Nees et Mont. in Montagne 1843: 260) Stephani (1890b: 77), *P. meyeniana* (Gottsche et al. 1843: 472) Stephani (1890b: 77), *P. trapezia* (Nees 1830: 41) Stephani (1890b: 76), **Strepsilejeunea** (Spruce 1884: 168) Stephani (1890b: 74–85), *S. acuminata* (Lehm. et Lindenb. in Lehmann 1834: 49) Stephani (1890b: 75), *S. acutangula* (Nees 1833: 357) Stephani (1890b: 74), *S. comitans* (Hook.f. et Taylor in Taylor 1846: 400) Stephani (1890b: 79), *S. inflexa* (Hampe in Lehmann 1838: 22) Stephani (1890b: 74), *S. involuta* (Gottsche in Gottsche et al. 1845b: 350) Stephani (1888c: 287), *S. krakakammae* (Lindenb. in Gottsche et al. 1845b: 353) Stephani (1890b: 74), *S. kunthiana* (Lindenb. in Gottsche et al. 1845b: 353) Stephani (1890b: 74), *S. lanceolata* (Gottsche in Gottsche et al. 1845b: 350) Stephani (1890b: 75), *S. lobulata* (Lindenb. in Gottsche et al. 1845b: 350) Stephani (1890b: 74), *S. mimosa* (Hooker & Taylor 1844a: 398) Stephani (1890b: 85), *S. neelgherriana* (Gottsche in Gottsche et al. 1845b: 354) Stephani (1890b: 75), *S. obruncata* (Montagne 1845b: 354) Stephani (1890b: 84), *S. orba* (Gottsche in Gottsche et al. 1845b: 350) Stephani (1890b: 74), *S. owaihiensis* (Gottsche in Gottsche et al. 1845b: 351) Stephani (1890b: 74), *S. tenuistipula* Lindenb. et Gottsche in Gottsche et al. 1845b: 351) Stephani (1890b: 74).

Stephani (1890c; Mar fide TL-2) is the last part in the series of papers of Lindenb. et Gottsche's herbarium. It is a list of all species of the "Gattung *Lejeunea*" in the herbarium. All names have references to their original publication page. However, how the list should be regarded is controversial; some authors, e.g., Bonner et al. (1961), have concluded that this is a list of generic names, while others, e.g., Zijlstra (1982) and Grolle (1983), consider this a list of subgeneric names, based on Stephani's statement found on p. 98 in the second paper of the series (Stephani 1890b). Because of the controversial interpretations of rank in this three-part series of publications, we will propose that these Stephani publications (1890a, b, c) be suppressed at the rank of genus (ICN Art. 34). If accepted, no generic names will be considered validly published in this series and only binomials at specific rank under generic names validly published prior to this series of publications can be considered validly published here. Thirty-five binomials at specific rank in five generic names are validly combined here as the generic names were validly published before and 234 binomials at specific rank in 30 generic names are effectively but not validly published here.

Names validly published:—**Archilejeunea** *aubermani* (Montagne 1842: 483) Stephani (1890c: 134), *A. chrysophylla* (Lehmann 1835: 423) Stephani (1890c: 134), *A. cognata* (Nees 1833: 353) Stephani (1890c: 134), *A. conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) Stephani (1890c: 134), *A. cruegeri* (Lindenb. in Gottsche et al. 1845b: 319) Stephani (1890c: 134), *A. guahamensis* (Lindenb. in Gottsche et al. 1845b: 346) Stephani (1890c: 134), *A. huanucensis* (Gottsche. in Gottsche et al. 1845b: 346) Stephani (1890c: 134), *A. olivacea* (Hooker & Taylor 1844c: 568) Stephani (1890c: 134), *A. parviflora* (Nees 1833: 353) Stephani (1890c: 134), *A. rotalis* (Hooker & Taylor 1845: 89) Stephani (1890c: 134), *A. rotundistipula* (Lindenb. ex Lehmann 1829: 360) Stephani (1890c: 134), *A. scutellata* (Taylor 1846: 383) Stephani (1890c: 134), *A. unciloba* (Lindenb. in Gottsche et al. 1845b: 331) Stephani (1890c: 134), *A. viridissima* (Lindenb. 1843: 320) Stephani (1890c: 134), *A. xanthocarpa* (Lehm. et Lindenb. in Lehmann 1833: 8) Stephani (1890c: 134), **Euosmolejeunea** *lindenbergi* (Gottsche in Gottsche et al. 1845b: 336) Stephani (1890c: 137), *E. montagnei* (Montagne 1843: 261) Stephani (1890c: 137), **Homalolejeunea** *acutiloba* (Hooker & Taylor 1845: 90) Stephani (1890c: 138), *H. brachiata* (Swartz 1788: 144) Stephani (1890c: 138), *H. fuscescens* (Hampe in Lehmann 1838: 16) Stephani (1890c: 138), *H. languida* (Nees & Montagne 1836: 59) Stephani (1890c: 138), *H. mackaii* (Hooker 1813: tab. 53) Stephani (1890c: 138), **Microlejeunea** *gracillima* (Mitten 1860b: 115) Stephani (1890c: 139), **Taxilejeunea** *affinis* (Lindenb. et Gottsche in Gottsche et al. 1847: 748) Stephani (1890c: 141), *T. debilis* (Lehm. et Lindenb. in Lehmann 1832: 51) Stephani (1890c: 141), *T. gracilipes* (Taylor 1846: 385) Stephani (1890c: 141), *T. isocalycina* (Nees 1833: 356) Stephani (1890c: 141), *T. leioscyphus* (Gottsche 1864: 148) Stephani (1890c: 141), *T. lumbricoides* (Nees 1830: 40) Stephani (1890c: 141), *T. lusoria* (Lindenb. et Gottsche in Gottsche et al. 1847: 747) Stephani (1890c: 141), *T. martinicensis* (Gottsche 1864: 149) Stephani (1890c: 141), *T. neumanniana* (Nees in von Flotow et al. 1842: 44) Stephani (1890b: 75), *T. pterigonia* (Lehm. et Lindenb. in Lehmann 1834: 44) Stephani (1890c: 142), *T. renistipula* (Lindenb. in Gottsche et al. 1845b: 308) Stephani (1890c: 142), *T. sulphurea* (Lehm. et Lindenb. in Lehmann 1833: 14) Stephani (1890c: 142), *T. surinamensis* (Lindenb. & Gottsche 1851: 628) Stephani (1890c: 142).

Names not validly published:—**Acrolejeunea** (Spruce 1884: 115) Stephani (1890c: 133), *A. amplexens* (Stephani 1886: 86) Stephani

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no description, **Harpalejeunea** (Spruce 1884: 164) Stephani (1890c: 138), *H. cinchonae* (Nees in Gottsche et al. 1845b: 342) Stephani (1890c: 138), *H. ovata* (Hooker 1813: tab. 42) Stephani (1890c: 138), *H. oxyphylla* (Nees et Mont. in Montagne 1843: 264) Stephani (1890c: 138), *H. parasitica* (Hooker & Taylor 1844b: 477) Stephani (1890c: 138), *H. stricta* (Lindenb. et Gottsche in Gottsche et al. 1847: 756) Stephani (1890c: 138), **Hygrolejeunea** (Spruce 1884: 230) Stephani (1890c: 138), *H. alata* (Gottsche in Gottsche et al. 1845b: 406) Stephani (1890c: 138), *H. cerina* (Lehm. et Lindenb. in Lehmann 1833: 16) Stephani (1890c: 138), *H. cordifissa* (Taylor 1846: 395) Stephani (1890c: 138), *H. delessertii* (Nees et Mont. in Montagne 1843: 260) Stephani (1890c: 138), *H. densistipula* (Lehm. et Lindenb. in Lehmann 1838: 20) Stephani (1890c: 138), *H. deplanata* (Nees in Gottsche et al. 1845b: 368) Stephani (1890c: 138), *H. discreta* (Lindenb. in Gottsche et al. 1845b: 361) Stephani (1890c: 138), *H. eluta* (Nees 1833: 362) Stephani (1890c: 138), *H. heterocheila* (Taylor 1846: 394) Stephani (1890c: 138), *H. leucophylla* (Lindenb. in Gottsche et al. 1845b: 369) Stephani (1890c: 138), *H. microloba* (Taylor 1846: 399) Stephani (1890c: 138), *H. orba* (Gottsche in Gottsche et al. 1845b: 352) Stephani (1890c: 138), *H. pallida* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) Stephani (1890c: 138), *H. phyllobola* (Nees et Mont. in Montagne 1842: 471) Stephani (1890c: 138), *H. pterota* (Hooker & Taylor 1845: 91) Stephani (1890c: 138), *H. reflexistipula* (Lehm. et Lindenb. in Lehmann 1833: 10) Stephani (1890c: 138), *H. sordida* (Nees 1830: 41) Stephani (1890c: 138), *H. umbilicata* (Nees 1830: 42) Stephani (1890c: 138), **Leptolejeunea** (Spruce 1884: 193) Stephani (1890c: 138), *L. corynophora* (Gottsche et al. 1843: 474) Stephani (1890c: 138), *L. denticulata* Stephani (1890c: 138), *L. elliptica* (Lehm. et Lindenb. in Lehmann 1833: 13) Stephani (1890c: 138), *L. neesii* (Mont. in Nees & Montagne 1836: 62) Stephani (1890c: 138), *L. polyrhiza* (Nees in Gottsche et al. 1845b: 403) Stephani (1890c: 138), *L. stenophylla* (Lindenb. et Gottsche in Gottsche et al. 1847: 769) Stephani (1890c: 138), *L. trematodes* (Nees in Nees & Montagne 1836: 62) Stephani (1890c: 138), *L. vitrea* (Nees 1830: 56) Stephani (1890c: 138), **Lopholejeunea** (Spruce 1884: 193) Stephani (1890c: 138), *L. applanata* (Reinwardt et al. 1824: 210) Stephani (1890c: 139), *L. eulopha* (Taylor 1846: 391) Stephani (1890c: 139), *L. javanica* (Nees in Gottsche et al. 1845b: 320) Stephani (1890c: 139), *L. muelleriana* (Gottsche 1863: 184) Stephani (1890c: 139), *L. nigricans* (Lindenb. in Gottsche et al. 1845a: 316) Stephani (1890c: 139), *L. plicatiscypha* (Taylor 1846: 386) Stephani (1890c: 139), *L. sagrana* (Montagne 1842: 464) Stephani (1890c: 139), *L. sphaerophora* (Lehm. et Lindenb. in Lehmann 1833) Stephani (1890c: 139), *L. zollingeri* Stephani (1890a: 14); Stephani (1890c: 139), **Macrolejeunea** (Spruce 1884: 224) Stephani (1890c: 139), *M. subsimplex* (Mont. et Nees in Montagne 1843: 264) Stephani (1890c: 139), **Mastigolejeunea** (Spruce 1884: 100) Stephani (1890c: 139), *M. arcuata* (Nees 1830: 38) Stephani (1890c: 139), *M. auriculata* (Wilson 1841: no. 170) Stephani (1890c: 139), *M. frauenfeldii* (Reichardt 1866: 958) Stephani (1890c: 139), *M. humilis* (Gottsche in Gottsche et al. 1845a: 239) Stephani (1890c: 139), *M. ligulata* (Lehm. et Lindenb. in Lehmann 1834: 39) Stephani (1890a: 8); Stephani (1890c: 139), *M. repleta* (Taylor 1846: 392) Stephani (1890c: 139), *M. taitica* (Gottsche 1864: 147) Stephani (1890c: 139), **Odontolejeunea** (Spruce 1884: 142) Stephani (1890c: 139), *O. accedens* (Gottsche in Gottsche et al. 1845b: 339) Stephani (1890c: 139), *O. convexistipa* (Lehm. et Lindenb. in Lehmann 1834: 43) Stephani (1890c: 139), *O. lunulata* (Weber 1815: 33) Stephani (1890c: 139), *O. peruviana* (Lehm. et Lindenb. in Lehmann 1833: 18) Stephani (1890c: 139), *O. sagittistipula* Stephani (1890c: 140), *O. sieberiana* (Gottsche in Gottsche et al. 1845b: 328) Stephani (1890c: 140), **Omphalolejeunea** (Spruce 1884: 86) Stephani (1890c: 140), *O. filiformis* (Swartz 1788: 144) Stephani (1890c: 140), **Peltolejeunea** (Spruce 1884: 85) Stephani (1890c: 140), *P. ovalis* (Lindenb. et Gottsche in Gottsche et al. 1847: 754) Stephani (1890c: 140), **Platylejeunea** (Spruce 1884: 124) Stephani (1890c: 140), *P. baccifera* (Taylor 1846: 387) Stephani (1890c: 140), *P. barbiflora* (Lindenberg & Gottsche 1851: 630) Stephani (1890c: 140), *P. granulata* (Nees 1833: 352) Stephani (1890c: 140), *P. hobsoniana* (Lindenb. in Gottsche et al. 1845b: 313) Stephani (1890c: 140), *P. setosa* Stephani (1890c: 140), *P. subrotunda* (Hook. in Kunth 1822: 41) Stephani (1890c: 140), *P. transversalis* (Swartz 1788: 144) Stephani (1890c: 140), *P. vincentina* (Gottsche in Gottsche et al. 1845b: 313) Stephani (1890c: 140), **Prionolejeunea** (Spruce 1884: 152) Stephani (1890c: 140), *P. aemula* (Gottsche in Gottsche et al. 1845b: 338) Stephani (1890c: 140), *P. angulistipa* Stephani (1890c: 140), *P. decora* (Taylor 1846: 393) Stephani (1890c: 140), *P. denticulata* (Weber 1815: 30) Stephani (1890c: 140), *P. guadalupensis* (Lindenb. in Gottsche et al. 1845b: 340) Stephani (1890c: 140), *P. meissneri* (Gottsche in Gottsche et al. 1845b: 340) Stephani (1890c: 140), *P. microdonta* (Gottsche in

Gottsche *et al.* 1845b: 337) Stephani (1890c: 140), *P. serrulata* (Montagne 1842: 479) Stephani (1890c: 140), **Ptycholejeunea** (Spruce 1884: 97) Stephani (1890c: 140), *P. javanica* (Nees in Gottsche *et al.* 1845a: 291) Stephani (1890c: 140), *P. perrottetii* Stephani (1890c: 140), *P. pycnoclada* (Taylor 1846: 385) Stephani (1890c: 140), *P. retusa* (Reinwardt *et al.* 1824: 214) Stephani (1890c: 140), *P. semirepanda* (Nees 1830: 39) Stephani (1890c: 140), *P. striata* (Lehm. et Lindenb. in Lehmann 1832: 16) Stephani (1890c: 140), *P. sulcata* (Nees 1830: 36) Stephani (1890c: 140), *P. wightii* (Gottsche in Gottsche *et al.* 1845a: 291) Stephani (1890c: 140), **Pycnolejeunea** (Spruce 1884: 246) Stephani (1890c: 140), *P. adnata* (Kunze ex Lehmann 1834: 46) Stephani (1890c: 140), *P. callosa* (Gottsche in Gottsche *et al.* 1845b: 359) Stephani (1890c: 140), *P. ceylanica* (Gottsche in Gottsche *et al.* 1845a: 259) Stephani (1890c: 140), *P. densiuscula* Stephani (1890c: 141) ICN Art. 38.1(a); no description, *P. discoidea* (Lehm. et Lindenb. in Lehmann 1834: 47) Stephani (1890c: 141), *P. hyalina* Stephani (1890c: 141), *P. imbricata* (Nees 1830: 42) Stephani (1890c: 141), *P. incisa* (Gottsche in Gottsche *et al.* 1845b: 360) Stephani (1890c: 141), *P. macroloba* (Nees et Mont. in Montagne 1843: 260) Stephani (1890c: 141), *P. meyeniana* (Gottsche *et al.* 1843: 472) Stephani (1890c: 141), *P. trapezia* (Nees 1830: 41) Stephani (1890c: 141), **Stictolejeunea** (Spruce 1884: 81) Stephani (1890c: 141), *S. kunzeana* (Gottsche *et al.* 1845b: 322) Stephani (1890c: 141), *S. squamata* (Willd. in Weber 1815: 33) Stephani (1890c: 141), **Strepsilejeunea** (Spruce 1884: 168) Stephani (1890c: 141), *S. acuminata* (Lehm. et Lindenb. in Lehmann 1834: 49) Stephani (1890c: 141), *S. acutangula* (Nees 1833: 357) Stephani (1890c: 141), *S. comitans* (Hook.f. et Taylor in Taylor 1846: 400) Stephani (1890c: 141), *S. inflexa* (Hampe in Lehmann 1838: 22) Stephani (1890c: 141), *S. involuta* (Gottsche in Gottsche *et al.* 1845b: 350) Stephani (1890c: 141), *S. krakakammae* (Lindenb. in Gottsche *et al.* 1845b: 353) Stephani (1890c: 141), *S. kunthiana* (Lindenb. in Gottsche *et al.* 1845b: 353) Stephani (1890c: 141), *S. lanceolata* (Gottsche in Gottsche *et al.* 1845b: 350) Stephani (1890c: 141), *S. lobulata* (Lindenb. in Gottsche *et al.* 1845b: 350) Stephani (1890c: 141), *S. mimosa* (Hooker & Taylor 1844a: 398) Stephani (1890c: 141), *S. neelgherriana* (Gottsche in Gottsche *et al.* 1845b: 354) Stephani (1890c: 141), *S. obtruncata* (Montagne 1845b: 354) Stephani (1890c: 141), *S. orba* (Gottsche in Gottsche *et al.* 1845b: 350) Stephani (1890c: 141), *S. owaihiensis* (Gottsche in Gottsche *et al.* 1845b: 351) Stephani (1890c: 141), *S. tenuistipula* Lindenb. et Gottsche in Gottsche *et al.* 1845b: 351) Stephani (1890c: 141), **Taxilejeunea** *guadalupensis* Stephani (1890c: 141) ICN Art. 38.1(a); no description, **Thysanolejeunea** (Spruce 1884: 105) Stephani (1890c: 142), *T. anguiformis* (Hooker & Taylor 1844c: 567) Stephani (1890c: 142), *T. comosa* (Lindenb. in Lehmann 1844: 25) Stephani (1890c: 142), *T. convoluta* (Lindenb. in Gottsche *et al.* 1845a: 288) Stephani (1890c: 142), *T. dissoptera* (Spruce 1884: 108) Stephani (1890c: 142), *T. fruticosa* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 737) Stephani (1890c: 142), *T. lehmanniana* (Nees in Gottsche *et al.* 1845a: 302) Stephani (1890c: 142), *T. plana* (Sande Lacoste 1854: 419) Stephani (1890c: 142), *T. spathulistipa* (Reinwardt *et al.* 1824: 212) Stephani (1890c: 142).

Schiffner (1890; May) is at first glance treating the taxa as genera, but when he described *Phragmo-Lejeunia* he clearly stated that it is a new subgenus, but he did not say of what genus. Thus, the name is not validly published (ICN Art. 35.2) as it is not definitely associated with a generic name. As he used the same typography here as for the other Lejeuneaceae species it is clear that he has all taxa at subgeneric level. There is a reference to Spruce under *Colurolejeunea* which might be taken as a combination, but he stated that he considers it a subgenus (see p. 35 “Hujus subgeneris ...”). Thus, no generic name is validly published here. It is worth noting that Schiffner used the same specific epithet (“*amboinensis*”) in two of his new names under different subgenera. In several cases, the names have been treated as validly published *Lejeunea* names (e.g. by Gradstein *et al.* 2002) and some of them even as forming the *Lejeunea* basionym to taxa still accepted today. Although Schiffner (1898) and others are pointing back to those names as *Lejeunea* names, no new name can be regarded established under *Lejeunea* since the names are not definitely associated with the generic name in this publication (ICN Art. 35.2). There is no index. Three binomials are validly published since the generic names were validly published earlier. Thirty-three binomials in 11 generic names are effectively but not validly published. Most of the new names that are not validly published here are validly published in Sydow (1894) by the direct reference to Schiffner’s publication as most of the generic names were validly published by then.

Names validly published:—**Eulejeunea** *crenulata* Schiffner (1890: 33), **Euosmolejeunea** *trifaria* (Reinwardt *et al.* 1824: 226) Schiffner (1890: 31), **Microlejeunea** *parallela* Schiffner (1890: 33).

Names not validly published:—**Acrolejeunea** (Spruce 1884: 88) Schiffner (1890: 26), *A. densifolia* Schiffner (1890: 26), *A. rostrata* Schiffner (1890: 26), **Ceratolejeunea** (Spruce 1884: 207) Schiffner (1890: 30), *C. auriculata* Schiffner (1890: 30), **Cololejeunea** (Spruce 1884: 251) Schiffner (1890: 33, 34), *C. angustibracteata* Schiffner (1890: 34), *C. pseudostipulata* Schiffner (1890: 33), **Colurolejeunea** (Spruce 1884: 303) Schiffner (1890: 34), *C. apiculata* Schiffner (1890: 36), *C. calyptrifolia* (Hooker 1813: tab. 43) Schiffner (1890: 35), *C. ceratophora* (Nees in Gottsche *et al.* 1845b: 405) Schiffner (1890: 35), *C. clavigera* Schiffner (1890: 35), *C. corynephora* (Nees, Lindenb. et Gottsche in Gottsche *et al.* 1843: 474) Schiffner (1890: 35), *C. minor* Schiffner (1890: 36), *C. naumannii* Schiffner (1890: 36), *C. sagittistipula* (Spruce 1884: 304) Schiffner (1890: 35), *C. superba* (Montagne 1848: 115) Schiffner (1890: 36), *C. zollingeri* Schiffner (1890: 35), **Dendrolejeunea** (Spruce 1884: 110) Schiffner (1890: 25), *D. vittata* (Mitten 1873: 411) Schiffner (1890: 25), **Harpalejeunea** (Spruce 1884: 164) Schiffner (1890: 29), *H. decurvicuspis* (Bescherelle & Massalongo 1886: 639) Schiffner (1890: 29), *H. massalongoana* Schiffner (1890: 29), *H. savatieriana* (Bescherelle & Massalongo 1886: 638) Schiffner (1890: 29), *H. subfenestrata* (Massalongo 1885: 249) Schiffner (1890: 28), **Hygrolejeunea** (Spruce 1884: 124) Schiffner (1890: 35), *H. amboinensis* Schiffner (1890: 31), *H. latistipula* Schiffner (1890: 30), **Lopholejeunea** (Spruce 1884: 119)

Schiffner (1890: 28), *L. eulopha* (Taylor 1846: 391) Schiffner (1890: 28), *L. fimbriata* (Gottsche 1880: 64) Schiffner (1890: 28), *L. sagrana* (Montagne 1842: 464) Schiffner (1890: 27), **Mastigolejeunea** (Spruce 1884: 100) Schiffner (1890: 22), *M.amboinensis* Schiffner (1890: 22), *M. atypos* Schiffner (1890: 22), *M. convoluta* (Lindenb. in Gottsche et al. 1845a: 288) Schiffner (1890: 21), *M. minuta* Schiffner (1890: 23), **Phragmolejeunea** Schiffner (1890: 24), *P. polymorpha* (Sande Lacoste 1854: 420) Schiffner (1890: 25), **Pycnolejeunea** (Spruce 1884: 246) Schiffner (1890: 32), *P. connivens* Schiffner (1890: 32), *P. schwaneckeii* Schiffner (1890: 32), *P. ventricosa* Schiffner (1890: 32).

Stephani (1890d; Nov) is an enumeration of liverworts from western Indian Ocean Islands. There is no reference to Spruce in the paper and nothing that can be taken as a description of a new generic name. However, three new generic names (*Acrolejeunea*, *Cheilolejeunea* and *Lopholejeunea*) are established here by combined generic-specific descriptions. We agree with Zijlstra (1982) and Grolle (1983) who consider *Lopholejeunea* as established here. Two binomials at specific rank are validly published or combined under generic names that were validly published earlier. Three names are effectively but not validly published. In the index the new names are referenced under both *Lejeunea* and the appropriate “*Xxxlejeunea*” entries (see below).

Names validly published:—**Acrolejeunea** (Spruce 1884: 115) Stephani (1890d: 286), *A. parviloba* Stephani (1890d: 286), **Cheilolejeunea** (Spruce 1884: 251) Stephani (1890d: 284), *C. kurzii* Stephani (1890d: 284), **Eulejeunea** *ecarinata* Stephani (1890d: 283), **Lopholejeunea** (Spruce 1884: 119) Stephani (1890d: 285), *L. multilacera* Stephani (1890d: 285), **Taxilejeunea** *conformis* Nees et Mont. in Montagne (1843: 260) Stephani (1890d: 283).

Names not validly published:—**Ceratolejeunea** (Spruce 1884: 198) Stephani (1890d: 284, 285, 286), *C. mascarena* Stephani (1890d: 284), *C. mauritiana* Stephani (1890d: 285), *C. renauldii* Stephani (1890d: 286).

Prantl (1890, Nov. earliest) is the register to Hedwigia vol. 29. Generic names are given as “*Xxxlejeunea*” names, but all binomials at specific rank are under *Lejeunea*. They are thus valid combinations in *Lejeunea* when pointing back to validly published names, or validating a name not validly published through a direct reference to an effectively published description. Thirteen binomials are validly published here, but as many as six of them are illegitimate homonyms, again showing that Stephani did not clearly distinguish between genera and subgenera.

Names validly published:—**Lejeunea** *acroloba* Prantl (1890: xiv), *L. amazonica* Prantl (1890: xiv) *nom. illeg.* (ICN Art. 53.1; non Spruce 1884: 106), *L. bidens* Prantl (1890: xiv), *L. amplexens* (Stephani 1886: 86) Prantl (1890: xiv), *L. hampeana* Prantl (1890: xvi) *nom. illeg.* (ICN Art. 53.1; non Lindenb. in Gottsche et al. 1845b: 360), *L. junghuhniana* Prantl (1890: xvi), *L. kegelii* Prantl (1890: xvi) *nom. illeg.* (ICN Art. 53.1; non Lindenberg & Gottsche 1851: 635), *L. microstipula* Prantl (1890: xvi), *L. miradorensis* Prantl (1890: xvi), *L. montagnei* Prantl (1890: xvi) *nom. illeg.* (ICN Art. 53.1; non Montagne 1843: 261), *L. sandvicensis* Prantl (1890: xvii), *L. stricta* Prantl (1890: xvii) *nom. illeg.* (ICN Art. 53.1; non Lindenb. et Gottsche in Gottsche et al. 1875: 756), *L. taitica* (Gottsche 1864: 147) Prantl (1890: xvii). and *L. zacuapana* (Stephani 1890b: 87) Prantl (1890: xviii).

Names not validly published:—None in Lejeuneaceae.

Coulter et al. (1890, Nov. earliest) is the register to Botanical Gazette vol. 15. New names are referenced under both *Lejeunea* and the appropriate “*Xxxlejeunea*”, in both cases indicating new names by using bold. They should then be regarded as valid combinations under *Lejeunea* since there are direct references to the basionyms. For not validly published “*Xxxlejeunea*” names, i.e. the three *Ceratolejeunea*, the supposed basionym is not validly published, but as the index makes direct references to the effectively published descriptions, it must be regarded as validating the names under *Lejeunea* (cf. ICN Art. 38.1(a)). The author(s) of the index is unclear although it probably was the editors (J.M. Coulter, C.R. Barnes and/or J.C. Arthur). As they at least should have been responsible for the index, we ascribe the names to them. Seven binomials in *Lejeunea* are validly published by a direct reference to an effectively published description or combined here while three names in *Ceratolejeunea* are not validly published.

Names validly published:—**Lejeunea** *ecarinata* (Stephani 1890d: 283) Coulter et al. (1890: 349), *L. kurzii* (Stephani 1890d: 284) Coulter et al. (1890: 349), *L. mascarena* Coulter et al. (1890: 349), *L. mauritiana* Coulter et al. (1890: 349), *L. multilacera* (Stephani 1890d: 285) Coulter et al. (1890: 349), *L. parviloba* (Stephani 1890d: 286) Coulter et al. (1890: 349) *nom. illeg.* [ICN Art. 53.1; non Ångström (1877: 87)] and *L. renauldii* Coulter et al. (1890: 349).

Names not validly published:—**Ceratolejeunea** (Coulter et al. 1890: 348) *mascarena* Coulter et al. (1890: 348), *C. mauritiana* Coulter et al. (1890: 348) and *C. renauldii* Coulter et al. (1890: 348).

Stephani (1891a; Sep–Oct) is the first paper in a second series on African Hepatics. For the most part it is a list of specimens gathered by various collectors. The new species are fully described and for taxa previously published in other genera the author of the basionym is cited and thus the combinations are validly published. There is no reference to Spruce and nothing that can be taken as a description of a new generic name. Zijlstra (1982) considered five genera (*Ceratolejeunea*, *Cololejeunea*, *Colurolejeunea*, *Eulejeunea* and *Drepanolejeunea*) established in this and the following paper by a combined generic-specific descriptions, but we consider one of them, *Eulejeunea*, established earlier. We also cannot accept that *Ceratolejeunea* is validly published here by a combined generic-specific description as Stephani mentioned two binomials at specific rank under that generic name on page 202. We also accept *Mastigolejeunea* as validly published by a combined generic-specific description here as we reject the supposed generic-specific description in Stephani (1889b: 257) as not fulfilling the requirements of ICN Art. 38.5 (more than one taxon accepted). Seven

binomials at specific rank under six generic names are validly described or combined as the genera were validly published earlier. Five binomials at specific rank under four generic names are effectively but not validly published. The index has names both as *Lejeunea* and “*Xxxlejeunea*”. The new *Lejeunea* names are validly combined in the index (see below).

Names validly published:—*Cololejeunea* (Spruce 1884: 251) Stephani (1891a: 208), *C. elegans* Stephani (1891a: 208), *Colurolejeunea* (Spruce 1884: 303) Stephani (1891a: 208), *C. obtusa* (Stephani 1891a: 208), *Drepanolejeunea* (Spruce 1884: 186) Stephani (1891a: 209), *D. cristata* Stephani (1891a: 209), *Eulejeunea saccatiloba* Stephani (1891a: 207), *Homalolejeunea excavata* (Mitten 1860a: 58) Stephani (1891a: 202), *Lopholejeunea sagrana* (Montagne 1842: 464) Stephani (1891a: 202), *Mastigolejeunea* (Spruce 1884: 100) Stephani (1891a: 206), *M. nigra* Stephani (1891a: 206), *Taxilejeunea dusenii* Stephani (1891a: 209), *T. epiphyta* Stephani (1891a: 206).

Names not validly published:—*Ceratolejeunea* (Spruce 1884: 198) Stephani (1891a: 202, 207), *C. diversicornua* Stephani (1891a: 207), *C. mascarena* Stephani (1891a: 202), *Eulejeunea cuculliloba* Stephani (1891a: 202; ICN Art. 38.1(a); no description; probably an error for *E. saccatiloba*), *Hygrolejeunea* (Spruce 1884: 230) Stephani (1891a: 208), *H. pulcherrima* Stephani (1891a: 202), also ICN Art. 38.1(a); no description, *Ptycholejeunea* (Spruce 1884: 97) Stephani (1891a: 203), *P. striata* (Lehm. et Lindenb. in Lehmann 1833: 16) Stephani (1891a: 203); also ICN Art. 38.1(a); no description.

Renauld & Cardot (1891) clearly used the subgeneric concept.

Stephani (1891b; Nov–Dec) is the second paper in the second series on African hepatics. The typography is the same as in the first part.

One generic name (*Leptolejeunea*) is validly published here by a combined generic-specific description and one additional binomial at specific rank is validly published since the genus was established earlier.

Names validly published:—*Cololejeunea crenatiflora* Stephani (1891b: 270), *Leptolejeunea* (Spruce 1884: 193) Stephani (1891b: 270), *L. quintasii* Stephani (1891b: 270).

Names not validly published:—None.

Prantl (1891, Nov. earliest) is the register to Hedwigia vol. 30. Names are listed under both *Lejeunea* and “*Xxxlejeunea*”. For not validly published “*Xxxlejeunea*” names the supposed basionym is not validly published, but as the index makes direct references to the effectively published descriptions, it must be regarded as validating the names under *Lejeunea*. Eight binomials at specific rank are validly published, but two of them are later homonyms. Two generic names and five binomials at specific rank are effectively but not validly published.

Names validly published:—*Lejeunea cristata* (Steph.) Prantl (1891: ix), *L. dusenii* (Steph.) Prantl (1891: ix), *L. elegans* Prantl (1891: ix) *nom. illeg.* (ICN Art. 53.1; non Gottsche in Gottsche *et al.* 1845b), *L. epiphyta* (Steph.) Prantl (1891: ix) *nom. illeg.* (ICN Art. 53.1; non Gottsche in Gottsche *et al.* 1845b), *L. nigra* (Steph.) Prantl (1891: ix), *L. obtusa* Prantl (1891: ix), *L. quintasii* (Steph.) Prantl (1891: ix), *L. saccatiloba* (Steph.) Prantl (1891: ix).

Names not validly published:—*Ceratolejeunea* (Spruce 1884: 198) Prantl (1891: vi), *C. diversicornua* Prantl (1891: vi), *C. mascarena* Prantl (1891: vi), *Eulejeunea cuculliloba* Prantl (1891: viii), *Hygrolejeunea* Prantl (1891: ix), *H. pulcherrima* Prantl (1891: ix), *Ptycholejeunea* Prantl (1891: xiii), *P. striata* (Lehm. et Lindenb. in Lehmann 1833: 16) Prantl (1891: xiii).

Stephani (1891c; Jan. 1892) is the treatment of hepatics in Renauld & Cardot’s paper on new or little known bryophytes. All species are described using their “*Xxxlejeunea*” names only and there is no reference to Spruce or any description of a new generic name. No new generic names and only one binomial at specific rank is validly published. Three binomials at specific rank are effectively but not validly published.

Names validly published:—*Acrolejeunea borgenii* Stephani (1892a: 201).

Names not validly published:—*Ceratolejeunea* (Spruce 1884: 198) Stephani (1891c: 203), *C. mascarena* Stephani (1892a: 203), *C. mauritiana* Stephani (1892a: 204), *C. renauldii* Stephani (1892a: 204).

Jack & Stephani (1892; Jan–Apr) is primarily a list of species collected by Gustav Wallis in South America and the Philippines. All new species are described, most jointly by Jack and Stephani, but in a few cases by Stephani only. Although they state that all names are in alphabetic order, and place all “*Xxxlejeunea*” where they should be if treated as *Lejeunea*, they do not refer at all to Spruce. Further on, within the section of “*Lejeunea*”, the “*Xxxlejeunea*” names are alphabetic. The paper starts with a summary of the taxa collected in Philippines and South America, respectively, and all new taxa are then further described. There is no reference to Spruce and no trace of any description of a generic name. Two generic names, *Ceratolejeunea* and *Thysanolejeunea*, are each validly published by a combined generic-specific description which is in agreement with Zijlstra (1982), but which Bonner *et al.* (1961) considered validly published earlier. In addition there are five binomials at specific rank validly published in genera validly published earlier. Seven generic names and 15 binomials at specific rank are effectively but not validly published. New names and new combinations in *Lejeunea* appear in the index (see below).

Names validly published:—*Ceratolejeunea* (Spruce 1884: 198) Jack & Stephani (1892: 16), *C. grandiloba* Jack & Stephani (1892: 16), *Drepanolejeunea capulata* (Taylor 1846: 394) Jack & Stephani (1892: 13), *D. dactylophora* (Gottsche *et al.* 1843: 473) Jack & Stephani (1892: 12), *D. lancifolia* (Gottsche 1864: 155) Jack & Stephani (1892: 13), *D. tenuis* (Nees 1830: 57) Jack & Stephani (1892: 12), *Taxilejeunea apiculata* (Gottsche 1864: 149) Jack & Stephani (1892: 13), *Thysanolejeunea* (Spruce 1884: 105) Jack & Stephani (1892: 20), *T. gottschei* Jack & Stephani (1892: 20).

Names not validly published:—**Crossotolejeunea** (Spruce 1884: 161) Jack & Stephani (1892: 16), *C. inflexiloba* Jack & Stephani (1892: 16), *C. intricata* Jack & Stephani (1892: 17), **Dicranolejeunea** (Spruce 1884: 138) Jack & Stephani (1892: 13), *D. axillaris* (Nees & Montagne 1836: 59) Jack & Stephani (1892: 13), *D. dubiosa* (Lindenb. & Gottsche 1846: 752) Jack & Stephani (1892: 13), **Drepanolejeunea** *granatensis* Jack & Stephani (1892: 13; ICN Art. 38.1(a); no description, but probably an error for *Harpalejeunea granatensis*), **Harpalejeunea** (Spruce 1884: 164) Jack & Stephani (1892: 13, 17, 18), *H. cinchonae* (Nees in Gottsche *et al.* 1845b: 342) Jack & Stephani (1892: 13), *H. granatensis* Jack & Stephani (1892: 17), *H. tuberculata* Jack & Stephani (1892: 18), **Hygrolejeunea** (Spruce 1884: 230) Jack & Stephani (1892: 13), *H. reflexistipula* (Lehm. et Lindenb. in Lehmann 1833: 10) Jack & Stephani (1892: 13), **Peltolejeunea** (Spruce 1884: 85) Jack & Stephani (1892: 13, 18, 19), *P. jackii* Steph. in Jack & Stephani (1892: 18), *P. ovalis* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 754) Jack & Stephani (1892: 13), *P. wallisii* Jack & Stephani (1892: 19), **Prionolejeunea** (Spruce 1884: 152) Jack & Stephani (1892: 13), *P. fabroniifolia* (Spruce 1884: 154) Jack & Stephani (1892: 13), **Strepsilejeunea** (Spruce 1884: 168) Jack & Stephani (1892: 13, 19), *S. inflexa* (Hampe in Lehmann 1838: 22) Jack & Stephani (1892: 13), *S. laevicalyx* Jack & Stephani (1892: 19).

Bescherelle (1892) is a list of species collected in Vietnam. There are no descriptions although several taxa are marked as “sp. n.”. Two binomials at specific rank under generic names that were validly published earlier are validly published here. Three generic names and five binomials at specific rank are effectively but not validly published. There is no index.

Names validly published:—**Cololejeunea** *trichomanis* (Gottsche 1882: 362) Bescherelle (1892: 14), **Leptolejeunea** *elliptica* (Lehm. et Lindenb. in Lehmann 1833: 13) Bescherelle (1892: 14).

Names not validly published:—**Caudalejeunea** Bescherelle (1892: 13), *C. stephanii* Bescherelle (1892: 13) also not validly published by ICN Art. 38.1(a); no description, **Cololejeunea** *tonkinensis* Steph. ex Bescherelle (1892: 14) ICN Art. 38.1(a); no description, **Eulejeunea** *infestans* Steph. ex Bescherelle (1892: 13) ICN Art. 38.1(a); no description, **Leptolejeunea** *spicata* Steph. ex Bescherelle (1892: 14) ICN Art. 38.1(a); no description, **Ptycholejeunea** (Spruce 1884: 97) Bescherelle (1892: 14), *P. piriformis* (Gottsche ex Stephani 1889b: 259) Bescherelle (1892: 14) ICN Art. 41.1; basionym not valid, **Pycnolejeunea** (Spruce 1884: 246) Bescherelle (1892: 14), *P. meyeniana* (Nees, Lindenb. et Gottsche in Gottsche *et al.* 1843: 472) Bescherelle (1892: 14).

Stephani (1892a; May–Jun) is the third paper on African hepatics and follows the others in style. No new generic name is validly published here, but two binomials at specific rank are validly published. Two generic names with one binomial at specific rank each are effectively but not validly published. The index has *Lejeunea* names only.

Names validly published:—**Eulejeunea** *isomorpha* (Gottsche 1882: 355) Stephani (1892a: 120), *E. wilmsii* Stephani (1892a: 124).

Names not validly published:—**Anomalolejeunea** (Pearson 1887: 5) Stephani (1892a: 120), *A. pluriplicata* (Pearson 1887: 5) Stephani (1892a: 120), **Ptycholejeunea** (Spruce 1884: 97) Stephani (1892a: 120), *P. striata* (Lehm. et Lindenb. in Lehmann 1832: 16) Stephani (1892a: 120).

Stephani (1892b; Jun) is a treatment of North American Lejeuneaceae. Stephani consistently used hyphens in the “*Xxx-Lejeunea*” names. He did not refer to Spruce and did not indicate the ranks except when writing about a couple of *Lejeunea* names that he could not place in any “suborder” [sic!]. No generic name is validly published here, but ten binomials at specific rank under four generic names are validly published. One generic name and two binomials under specific rank are effectively but not validly published. The index only gives *Lejeunea* entries and these can be treated as combinations where a *Lejeunea* combination does not exist (see below).

Names validly published:—**Cololejeunea** *calcareo* (Libert 1820: 373) Stephani (1892b: 171), *C. jooriana* (Austin 1875: 20) Stephani (1892b: 171), *C. minutissima* (Sm. in Smith & Sowerby 1806: 1633) Stephani (1892b: 171), *C. parvula* (Wilson et Hook. in Wilson 1841: no. 172) Stephani (1892b: 172), **Eulejeunea** *austini* (Lindberg 1875: 489) Stephani (1892b: 171), *E. caroliniana* (Austin 1876: 36) Stephani (1892b: 171), *E. underwoodii* Stephani (1892b: 172), **Mastigolejeunea** *auriculata* (Wilson. et Hook. in Wilson 1841: no. 170) Stephani (1892b: 171), **Microlejeunea** *cardotii* Stephani (1892b: 172), *M. lucens* (Taylor 1846: 399) Stephani (1892b: 171).

Names not validly published:—**Cololejeunea** *wrightii* Stephani (1892b: 172); ICN Art. 38.1(a); no description, **Neurolejeunea** (Spruce 1884: 84) Stephani (1892b: 171), *N. catenulata* (Nees in Gottsche *et al.* 1845b: 323) Stephani (1892b: 171).

Stephani (1892c; Jul–Aug) is a continuation of the African hepatic series in the same style as the preceding parts. No new generic name is validly published here, but seven binomials at specific rank are validly published. Two generic names, four binomials at specific rank and a variety are effectively but not validly published.

Names validly published:—**Acrolejeunea** *confertissima* Stephani (1892c: 165), **Ceratolejeunea** *cornutissima* Stephani (1892c: 166), **Cololejeunea** *cuneifolia* Stephani (1892c: 166), *C. filicaulis* Stephani (1892c: 168), **Colurolejeunea** *dusenii* Stephani (1892c: 168), **Leptolejeunea** *truncatiloba* Stephani (1892c: 170), **Mastigolejeunea** *turgida* Stephani (1892c: 170).

Names not validly published:—**Hygrolejeunea** (Spruce 1884: 230) Stephani (1892c: 169), *H. lyratiflora* Stephani (1892c: 169), *H. papilionacea* Stephani (1892c: 169), **Odontolejeunea** *sieberiana* var. *africana* Stephani (1892c: 171), **Prionolejeunea** (Spruce 1884: 152) Stephani (1892c: 171), *P. denticulata* (Weber 1815: 30) Stephani (1892c: 171), *P. kindbergii* Stephani (1892c: 171).

Pearson (1892; Aug–Sep) is an enumeration of species from Madagascar. It is mainly a list of species recorded, but the new species are described properly under their “*Xxxlejeunea*” names. He refers to Spruce’s subgenera, but nowhere is he indicating that he follows

that rank. In a quote from Spruce, Pearson mentions a new subg. *Callistolejeunea*, which is not valid as it is not definitely connected with a genus (ICN Art. 35.2). References to previously validly published names makes combinations valid where the genus is already established. Nineteen binomials at specific rank under nine generic names are validly published. Six generic names and eight binomials at specific rank are effectively but not validly published.

Names validly published:—*Acrolejeunea abnormis* (Gottsche 1882: 352) Pearson (1892: 4), *A. fulva* (Gottsche 1882: 550) Pearson (1892: 4), *A. inflexa* (Gottsche 1882: 351) Pearson (1892: 4), *Archilejeunea nobilis* (Gottsche 1882: 353) Pearson (1892: 4), *Ceratolejeunea variabilis* (Lindenb. in Gottsche *et al.* 1845b: 399) Pearson (1892: 8), *Cololejeunea marginata* (Lehm. et Lindenb. in Lehmann 1833: 11) Pearson (1892: 9), *C. punctata* (Gottsche 1882: 361) Pearson (1892: 9), *Drepanolejeunea physifolia* (Gottsche 1882: 357) Pearson (1892: 8), *D. securifolia* (Gottsche 1882: 360) Pearson (1892: 8), *Eulejeunea obtusata* (Gottsche 1882: 354) Pearson (1892: 8), *E. vulgariformis* (Gottsche 1882: 355) Pearson (1892: 9), *Euosmolejeunea brachytoma* (Gottsche 1882: 355) Pearson (1892: 8), *Lopholejeunea fimbriata* (Gottsche in Müller 1880: 64) Pearson (1892: 5), *L. harpaphylla* (Spruce 1884: 123) Pearson (1892: 7), *L. lepidoscypha* Kier et Pearson in Pearson (1892: 5), *L. rusbyi* (Spruce 1890: 122) Pearson (1892: 6), *Microlejeunea byssoides* (Gottsche 1882: 35) Pearson (1892: 9), *M. oblongistipula* (Gottsche 1882: 337) Pearson (1892: 9), *M. papulosa* (Gottsche 1882: 358) Pearson (1892: 9).

Names not validly published:—*Harpalejeunea* (Spruce 1884: 164) Pearson (1892: 7), *H. solitaria* (Gottsche 1882: 356) Pearson (1892: 7), *Omphalejeunea* (Spruce 1884: 86) Pearson (1892: 4), *O. filiformis* (Swartz 1788: 144) Pearson (1892: 4), *Prionolejeunea* (Spruce 1884: 152) Pearson (1892: 7), *P. rutenbergiana* (Gottsche 1882: 358) Pearson (1892: 7), *P. grata* (Gottsche 1882: 359) Pearson (1892: 7), *Ptycholejeunea* (Spruce 1884: 97) Pearson (1892: 4), *P. striata* (Lehm. et Lindenb. in Lehmann 1832: 16) Pearson (1892: 4), *Pycnolejeunea* (Spruce 1884: 246) Pearson (1892: 8), *P. silvestris* (Gottsche 1882: 354) Pearson (1892: 8), *Strepsilejeunea* (Spruce 1884: 168) Pearson (1892: 7), *S. brevifissa* (Gottsche 1882: 356) Pearson (1892: 7), *S. cardiophylla* (Gottsche 1882: 356) Pearson (1892: 7).

Stephani (1892d; Sep–Oct) is the last part of series on the African hepatics and follows the others in style. No new generic name is validly published, but three binomials at specific rank are validly published.

Names validly published:—*Ceratolejeunea mascarena* (Coulter *et al.* 1890: 349) Stephani (1892e: 204), *C. mauritiana* (Coulter *et al.* 1890: 349) Stephani (1892e: 205), *C. renauldii* (Coulter *et al.* 1890: 349) Stephani (1892e: 205).

Names not validly published:—None.

Prantl (1892, Nov. earliest) is the register to *Hedwigia* vol. 31. It mentions no name under “*Xxxlejeunea*”, but gives the subgeneric placement under the *Lejeunea* entries. Further, the *Lejeunea* entries are ordered alphabetically under their subgeneric placement, not after the binomials at specific rank. Nineteen binomials at specific rank are validly published here by the direct reference to the effective description, but four of them are illegitimate as later homonyms.

Names validly published:—*Lejeunea apiculata* (Gottsche 1864: 149) Prantl (1892: xvii) *nom. illeg.* (ICN Art. 53.1; non Sande Lacoste 1854: 421), *L. cuneifolia* (Stephani 1892c: 166) Prantl (1892: xvi), *L. dusenii* (Stephani 1892c: 168) Prantl (1892: xvi) *nom. illeg.* (ICN Art. 53.1; non Prantl 1891: ix), *L. filicaulis* (Stephani 1892c: 168) Prantl (1892: xvi), *L. gottschei* (Jack & Stephani 1892: 20) Prantl (1892: xvii), *L. granatensis* Prantl (1892: xvi), *L. grandiloba* (Jack & Stephani 1892: 16) Prantl (1892: xvi), *L. inflexiloba* Prantl (1892: xvi), *L. intricata* Prantl (1892: xvi), *L. jackii* Prantl (1892: xvii), *L. kindbergii* Prantl (1892: xvii), *L. laevicalyx* Prantl (1892: xvii) *nom. illeg.* (ICN Art. 53.1; non Gottsche 1863: 221), *L. lyratiflora* Prantl (1892: xvi), *L. papilionacea* Prantl (1892: xvii), *L. truncatiloba* (Stephani 1892c: 170) Prantl (1892: xvii), *L. tuberculata* Prantl (1892: xvi), *L. turgida* (Stephani 1892c: 170) Prantl (1892: xvii) *nom. illeg.* (ICN Art. 53.1; non Mitten 1860b: 110), *L. wallisii* Prantl (1892: xvii), *L. wilmsii* (Stephani 1892a: 124) Prantl (1892: xvi).

Names not validly published:—None.

Coulter *et al.* (1892, Nov. earliest) is the register to *Botanical Gazette* vol. 17. It gives only entries under *Lejeunea*. It is not clear who compiled the index (although the editors J.M. Coulter, C.R. Barnes and/or J.C. Arthur were at least responsible for the index), so we prefer to refer to them. Two binomials at specific rank are validly published here.

Names validly published:—*Lejeunea cardotii* (Stephani 1892b: 72) Coulter *et al.* (1892: 431), *L. underwoodii* (Stephani 1892b: 172) Coulter *et al.* (1892: 431).

Names not validly published:—None.

Bescherelle (1893a) clearly treated all *Lejeunea* as subgenera.

Bescherelle (1893b) is a short list of hepatics from Brazzaville. It uses the hyphenated “*Xxx-Lejeunea*”. One taxon is validly published here since the generic name is validly published earlier.

Names validly published:—*Hygrolejeunea pulcherrima* (Stephani 1886: 87) Bescherelle (1893b: 60).

Names not validly published:—None.

Stephani (1892e; Jul. 1893) is a list of specimens collected in Costa Rica. The “*Xxxlejeunea*” are written in the generic form, without reference to *Lejeunea* except for a couple of species ascribed to Spruce (1884), where they were combined under their *Lejeunea* names. Zijlstra (1982) argued that as the list is generally alphabetic and that their placement where *Lejeunea* should occur indicates

that Stephani regarded them as subgenera. However, as the “*Xxxlejeunea*” are clearly written like genera and there is no reference to any subgenus, we regard them as genera, as Stephani by this time generally seems to have done. No new generic name is established here. There are two new binomials at specific rank in two generic names validly published here. Six generic names and eight binomials at specific rank are effectively but not validly published.

Names validly published:—*Ceratolejeunea brasiliensis* (Gottsche in Gottsche *et al.* 1845b: 398) Stephani (1892e: 179), *Drepanolejeunea inchoata* (C.F.W.Meissn. in Lehmann 1838: 19) Stephani (1892e: 179).

Names not validly published:—*Bryolejeunea* (Spruce 1884: 111) Stephani (1892e: 179), *B. diffusa* (Swartz 1788: 144) Spruce *ex* Stephani (1892e: 179), *B. flaccida* (Lindenb. et Hampe in Hampe 1851: 640) Stephani (1892e: 179), *B. tenuicaulis* (Taylor *ex* Gottsche *et al.* 1845a: 285) Stephani (1892e: 179), *Dicranolejeunea* (Spruce 1884: 128) Stephani (1892e: 179), *D. axillaris* (Nees & Montagne 1836: 59) Stephani (1892e: 179), *Diplasiolejeunea* (Spruce 1884: 301) Stephani (1892e: 179), *D. pellucida* (C.F.W.Meissn. *ex* Sprengel 1827: 325) Stephani (1892e: 179), *Hygrolejeunea* (Spruce 1884: 230) Stephani (1892e: 179), *H. phyllobola* (Nees et Mont. in Montagne 1842: 47) Stephani (1892e: 179), *Mastigolejeunea crispula* (Stephani 1888b: 111) Stephani (1892e: 179) ICN Art. 41.1; basionym not valid, *Odontolejeunea* (Spruce 1884: 142) Stephani (1892e: 180), *O. sieberiana* (Gottsche in Gottsche *et al.* 1845b: 328) Stephani (1892e: 180), *Omphalolejeunea* (Spruce 1884: 86) Stephani (1892e: 180), *O. filiformis* (Swartz 1788: 144) Stephani (1892e: 180).

Schiffner (1893b; Sep) is the first author who clearly and intentionally used the Spruce’s subgenera as genera. Here 19 out of the 23 remaining subgeneric names are validly published at generic level together with a large number of binomials at specific rank.

Names validly published:—*Acrolejeunea fertilis* (Reinwardt *et al.* 1824: 211) Schiffner (1893b: 128), *A. hasskarliana* (Gottsche in Gottsche *et al.* 1845a: 299) Schiffner (1893b: 128), *A. polycarpa* (Nees 1833: 350) Schiffner (1893b: 128), *A. pycnoclada* (Taylor 1846) Schiffner (1893b: 128), *A. torulosa* (Lehm. et Lindenb. in Lehmann 1834: 41) Schiffner (1893b: 128), *Anomalolejeunea* (Spruce in Pearson 1887: 5) Schiffner (1893b: 127), *A. pluriplicata* (Pearson 1887: 2) Schiffner (1893b: 127), *Anopolejeunea* (Spruce 1884: 129) Schiffner (1893b: 131), *A. herpestica* (Spruce 1884: 129) Schiffner (1893b: 131), *Archilejeunea leprieurii* (Montagne 1835: 213) Schiffner (1893b: 130), *Brachiolejeunea* (Spruce 1884: 129) Schiffner (1893b: 128), *B. bicolor* (Nees 1833: 349) Schiffner (1893b: 128), *B. laxifolia* (Taylor 1847: 341) Schiffner (1893b: 128), *B. spruceana* (Massalongo 1885: 246) Schiffner (1893b: 128), *Caudalejeunea* Steph. *ex* Schiffner (1893b: 128), *C. africana* (Stephani 1886: 93) Schiffner (1893b: 129), *C. crescentiae* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 752) Schiffner (1893b: 129), *C. haenkeana* (Schiffner 1886: 210) Schiffner (1893b: 129), *C. hanningtonii* (Mitten 1886: 324) Schiffner (1893b: 129), *C. harpaphylla* (Spruce 1884: 123) Schiffner (1893b: 129), *C. recurvistipula* (Gottsche in Gottsche *et al.* 1845b: 326) Schiffner (1893b: 129), *Ceratolejeunea breutelii* (Gottsche in Gottsche *et al.* 1845b: 324) Schiffner (1893b: 125), *C. coarina* (Gottsche in Gottsche *et al.* 1845b: 395) Schiffner (1893b: 125), *C. cubensis* (Montagne 1842: 481) Schiffner (1893b: 125), *C. desciscens* (Sande Lacoste 1856: 107) Schiffner (1893b: 126), *Cheilolejeunea heteroclada* (Spruce 1884: 256) Schiffner (1893b: 124), *C. lineata* (Lehm. et Lindenb. in Lehmann 1832: 53) Schiffner (1893b: 124), *C. newtonii* Steph. *ex* Schiffner (1893b: 124), *C. novoguineensis* (Schiffner 1893a: 258) Schiffner (1893b: 124), *C. papulosa* Schiffner (1893b: 124) Schiffner (1893b: 124), *Cololejeunea microscopica* (Taylor 1836: 59) Schiffner (1893b: 122), *C. rossettiana* (Massalongo 1889: 487) Schiffner (1893b: 122), *C. venusta* (Sande Lacoste 1854) Schiffner (1893b: 122), *Colurolejeunea calyptriifolia* (Hooker 1813: tab. 43) Schiffner (1893b: 121), *C. naumannii* Schiffner (1893b: 121), *C. ornata* (Goebel 1890: 26) Schiffner (1893b: 121), *Crossotolejeunea* (Spruce 1884: 161) Schiffner (1893b: 127), *C. boryana* (Montagne 1838: 47) Schiffner (1893b: 127), *Dicranolejeunea* (Spruce 1884: 138) Schiffner (1893b: 128), *D. axillaris* (Nees & Montagne 1836: 59) Schiffner (1893b: 128), *D. phyllorhiza* (Nees 1833: 348) Schiffner (1893b: 128), *Diplasiolejeunea* (Spruce 1884: 301) Schiffner (1893b: 121), *D. pellucida* (Sprengel 1827: 325) Schiffner (1893b: 121), *Drepanolejeunea hamatifolia* (Hooker 1813: tab. 51) Schiffner (1893b: 126), *D. muricata* (Gottsche in Gottsche *et al.* 1845b: 348) Schiffner (1893b: 126), *D. palmifolia* (Nees 1833: 366) Schiffner (1893b: 126), *D. ternatensis* (Gottsche in Gottsche *et al.* 1845b: 346) Schiffner (1893b: 126), *Eulejeunea diversiloba* (Spruce 1876b: 235) Schiffner (1893b: 124), *E. ulicina* (Taylor 1844: 115) Schiffner (1893b: 124), *Harpalejeunea* (Spruce 1884: 164) Schiffner (1893b: 127), *H. ancistrodes* (Spruce 1884: 169) Schiffner (1893b: 127), *H. cinchonae* (Nees in Gottsche *et al.* 1845b: 342) Schiffner (1893b: 127), *H. holostipa* (Spruce 1884: 171) Schiffner (1893b: 127), *H. ovata* (Hooker 1813: tab. 42) Schiffner (1893b: 127), *H. tenuicuspis* (Spruce 1884: 170) Schiffner (1893b: 127), *Hygrolejeunea* (Spruce 1884: 230) Schiffner (1893b: 124), *H. cerina* (Lehm. et Lindenb. in Lehmann 1833: 16) Schiffner (1893b: 125), *H. reflexistipula* (Lehm. et Lindenb. in Lehmann 1833: 10) Schiffner (1893b: 125), *H. sordida* (Nees 1830: 41) Schiffner (1893b: 125), *H. spongia* (Spruce 1876a: 132) Schiffner (1893b: 125), *H. umbilicata* (Nees 1830: 42) Schiffner (1893b: 125), *Leptolejeunea corynophora* (Gottsche *et al.* 1843: 474) Schiffner (1893b: 126), *L. vitrea* (Nees 1830: 56) Schiffner (1893b: 126), *Lopholejeunea applanata* (Reinwardt *et al.* 1824: 210) Schiffner (1893b: 129), *L. eulopha* (Taylor 1846: 391) Schiffner (1893b: 129), *L. javanica* (Nees in Gottsche *et al.* 1845b: 320) Schiffner (1893b: 129), *Macrolejeunea* (Spruce 1884: 224) Schiffner (1893b: 125), *M. subsimplex* (Mont. et Nees in Montagne 1843: 264) Schiffner (1893b: 125), *Mastigolejeunea buettneri* (Stephani 1888b: 110) Schiffner (1893b: 129), *M. humilis* (Gottsche in Gottsche *et al.* 1845a: 239) Schiffner (1893b: 129), *M. ligulata* (Lehm. et Lindenb. in Lehmann 1834: 39) Schiffner (1893b: 129), *M. phaea* Schiffner (1893b: 129), *Neurolejeunea* (Spruce 1884: 84) Schiffner (1893b: 131), *N. catenulata* (Nees in Gottsche *et al.* 1845b: 323) Schiffner

(1893b: 131), *N. portoricensis* (Hampe & Gottsche 1853: 352) Schiffner (1893b: 131), *N. seminervis* (Spruce 1884: 84) Schiffner (1893b: 131), ***Odontolejeunea*** (Spruce 1884: 142) Schiffner (1893b: 127), *O. lunulata* (Weber 1815: 33) Schiffner (1893b: 128), *O. peruviana* (Lehm. et Lindenb. in Lehmann 1833: 18) Schiffner (1893b: 128), *O. sieberiana* (Gottsche in Gottsche *et al.* 1845b: 328) Schiffner (1893b: 127), ***Otigonolejeunea*** (Spruce 1884: 226) Schiffner (1893b: 125), *O. schizotis* (Spruce 1884: 227) Schiffner (1893b: 125), *O. xiphotis* (Spruce 1884: 227) Schiffner (1893b: 125), ***Peltolejeunea*** (Spruce 1884: 85) Schiffner (1893b: 131), *P. jackii* (Prantl 1892: xvii) Schiffner (1893b: 131), *P. osculatiana* (De Notaris 1855: 233) Schiffner (1893b: 131), *P. ovalis* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 754) Schiffner (1893b: 131), *P. pulcherrima* (Stephani 1886: 87) Schiffner (1893b: 131), *P. wallisii* (Prantl 1892: xvii) Schiffner (1893b: 131), ***Platylejeunea*** (Spruce 1884: 124) Schiffner (1893b: 130), *P. hobsoniana* (Lindenb. in Gottsche *et al.* 1845b: 313) Schiffner (1893b: 130), *P. vinentina* (Gottsche in Gottsche *et al.* 1845b: 313) Schiffner (1893b: 130), ***Prionolejeunea*** (Spruce 1884: 152) Schiffner (1893b: 127), *P. denticulata* (Weber 1815: 30) Schiffner (1893b: 127), *P. deplanata* (Mitten 1886: 325) Schiffner (1893b: 127), *P. fabroniifolia* (Spruce 1884: 154) Schiffner (1893b: 127), *P. grata* (Gottsche 1882) Schiffner (1893b: 127), *P. kindbergii* (Coulter *et al.* 1892: xvii) Schiffner (1893b: 127), ***Pycnolejeunea*** (Spruce 1884: 246) Schiffner (1893b: 124), *P. ceylanica* (Gottsche in Gottsche *et al.* 1845a: 259) Schiffner (1893b: 124), *P. imbricata* (Nees 1830: 42), Schiffner (1893b: 124), *P. macroloba* (Nees et Mont. in Montagne 1843: 260) Schiffner (1893b: 124), *P. trapezia* (Nees 1830: 41) Schiffner (1893b: 124), ***Stictolejeunea*** (Spruce 1884: 81) Schiffner (1893b: 131), *S. kunzeana* (Gottsche *et al.* 1845b: 322) Schiffner (1893b: 131), *S. squamata* (Willd. in Weber 1815: 33) Schiffner (1893b: 131), ***Strepsilejeunea*** (Spruce 1884: 168) Schiffner (1893b: 127), *S. kunthiana* (Lindenb. in Gottsche *et al.* 1845b: 353) Schiffner (1893b: 127), *S. mimosa* (Hooker & Taylor 1844a: 398) Schiffner (1893b: 127), *S. orba* (Gottsche in Gottsche *et al.* 1845b: 350) Schiffner (1893b: 127), ***Trachylejeunea*** *acanthina* (Spruce 1884: 182) Schiffner (1893b: 126), *T. asperiflora* (Spruce 1884: 183) Schiffner (1893b: 126).

Names not validly published:—***Caudalejeunea*** *stephanii* Schiffner (1893b: 129) ICN Art. 38.1(a); no description, ***Drepanolejeunea*** *blumei* Steph. ex Schiffner (1893b: 126) ICN Art. 38.1(a); no description, ***Trachylejeunea*** *prionocalyx* Schiffner (1893b: 126) ICN Art. 38.1(a); no description.

Generic names based on *Lejeunea* subgenera published between 1884 and 1893

Here we summarize the valid publication of each of the generic names based on *Lejeunea* subgenera published between 1884 and 1893. We give full nomenclature citation, the type information for all genera and comment on non-valid publications of the names. We mention under which genus the type species is placed if the genus is not accepted in the world checklist of hornworts and liverworts (Söderström *et al.* in press).

For many of the names listed below the first published lectotypification statement was by A.W. Evans in a series of papers and floristic treatments published between 1903 and 1920 (Evans 1903b, 1904, 1906, 1907a, b, 1908a, 1911, 1912a, b, 1914, 1918, 1920). Evans adhered to the American Code of Botanical Nomenclature (Arthur *et al.* 1907), however, and consistently designated types according to the First Species Rule. Under the current Code, this method is ruled as mechanical and such typifications may be superseded under ICN Art. 10.5(b) and ICN Art. 10 *Example 7. We consider Evans' typifications to have been superseded by the next effectively published typification, even when both type designations are the same. In many cases, the typifying author is Vanden Berghen (1945 [1948]).

Acrolejeunea (Spruce) Steph., *Bot. Gaz.* 15: 286, 1890 (Stephani 1890d) *nom. conserv.* Basionym:—*Lejeunea* subg. *Acrolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 115, 1884, '*Acro-Lejeunea*' (Spruce 1884) ≡ *Acrolejeunea* (Spruce) Schiffn., *Hepat. [Engl.-Prantl]*: 128, 1893 (Schiffner 1893b). Lectotype (Gradstein 1974: 332):—*Jungermannia torulosa* Lehm. et Lindenb. in Lehmann (1834: 41) ≡ *Lejeunea torulosa* (Lehm. et Lindenb.) Spruce (1884: 117) ≡ *Acrolejeunea torulosa* (Lehm. et Lindenb.) Schiffner (1893b: 128). Note:—The genus was established by the specific description of *Acrolejeunea parviloba* treated as a combined generic-specific one. Bonner *et al.* (1961) considered the genus established by Stephani (1890a: 7) because of direct reference of the name to the Sprucean subgenus (Art. 38.14), but in both the introductory and concluding paragraphs of this 3-part treatment Stephani (1890a, b, c) explicitly states that he considers the taxa to be subgenera, as already discussed by Gradstein *et al.* (1982), Zijlstra (1982) and Grolle (1983). Because of the controversial status of rank being used in this series of publications, we will propose that this series of publications be suppressed at the rank of genus. The generic name was used in five publications prior to its valid publication (Stephani 1888b: 107, 1889a: 164, 165, 1890a: 7, 1890c: 133, Schiffner 1890: 26).

Anomalolejeunea (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 127, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Anomalolejeunea* Spruce in Pearson, *Skr. Vidensk.-Selsk. Christiana, Math.-Naturvidensk. Kl.* 1887(9): 5, 1887 (Pearson 1887). Type (monotypic subgenus):—*Lejeunea pluriplicata* Pearson (1887: 5) ≡ *Anomalolejeunea pluriplicata* (Pearson) Schiffner (1893b: 127) ≡ *Cheilolejeunea pluriplicata* (Pearson) Schuster (1980b: 430). Note:—Stephani (1892b: 120) used but did not validly publish *Anomalolejeunea*. The type of the genus is now included in *Cheilolejeunea* (Spruce) Steph.

- Anoplolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 131, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Anoplolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 129, 1884, ‘*Anplo-Lejeunea*’ (Spruce 1884). Type (monotypic subgenus):—*Lejeunea herpestica* Spruce (1884: 129) ≡ *Anoplolejeunea herpestica* (Spruce) Schiffner (1893b: 131) [= *Anoplolejeunea conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) Evans (1908b: 175), cf. Evans (1908b)].
- Archilejeunea** (Spruce) Steph., *Hedwigia* 27: 113, 1888 (Stephani 1888b). Basionym:—*Lejeunea* subg. *Archilejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 88, 1884, ‘*Archi-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 41):—*Lejeunea porelloides* Spruce (1884: 90) ≡ *Archilejeunea porelloides* (Spruce) Schiffner (1894: 181) ≡ *Archilejeunea ludoviciana* (De Not. in Lehmann 1857: 11) P.Geissler et Gradst. in Gradstein (1994: 2002) subsp. *porelloides* (Spruce) Gradstein (1994: 58). Note:—Stephani established the genus by the description of *Archilejeunea erronea* treated as a combined generic-specific description. It was regarded as a synonym of *Leucolejeunea rotundistipula* (Lindenb. ex Lehmann 1829: 360) Evans (1907c: 229) by Grolle (1983), so he indicated that it would have to be conserved against Stephani’s name. By the provisions of ICN Art. 41.4 this conservation is no longer necessary.
- Brachiolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 128, 1893 (Schiffner 1893). Basionym:—*Lejeunea* subg. *Brachiolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 129, 1884, ‘*Brachio-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 43):—*Phragmicoma laxifolia* Taylor (1847: 341) ≡ *Lejeunea laxifolia* (Taylor 1847: 341) Spruce (1884: 130) ≡ *Brachiolejeunea laxifolia* (Taylor) Schiffner (1893b: 128). Note:—As also suggested in the current ICN Art. 41 Ex. 9, Bonner et al. (1961) considered *Brachiolejeunea* validly published by Stephani (1889a: 167) with a combined generic-specific description (ICN Art. 38.5). However, Stephani (1889a) enumerated several species in *Brachiolejeunea* in this treatment, so the requirements of ICN Art. 38.5 for a combined generic-specific description are not met. Conservation of *Brachiolejeunea* (Spruce 1884: 129) Schiffner (1893b: 128) against *Brachiolejeunea* (Spruce 1884: 129) Steph. et Spruce in Stephani (1889a: 167), as advocated by van Slageren (1985), is therefore unnecessary. The generic name was used three times (Stephani 1889a: 167, 1890a: 7, 1890c: 137) prior to its valid publication.
- Bryolejeunea** (Spruce) Lacout., *Rev. Bryol. Lichénol.* 35: 106, 1908 (Lacouture 1908) *nom. illeg.* (ICN Art. 52.1; earlier name included, [*Bryopteris* (Nees 1838: 211) Lindenb. in Gottsche et al. 1845a: 284]). Basionym:—*Lejeunea* subg. *Bryolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 111, 1884, ‘*Bryo-Lejeunea*’ (Spruce 1884), *nom. illeg.* (ICN Art. 52.1; earlier name included, *Frullania* subg. *Bryopteris* (Nees 1838: 211)]. Lectotype (Grolle 1983: 7):—*Jungermannia filicina* Swartz (1788: 145) ≡ *Lejeunea filicina* (Sw.) Nees et Mont. in Montagne (1839: 66) ≡ *Bryopteris filicina* (Sw.) Nees in Gottsche et al. (1845a: 284). Note:—At both generic and subgeneric ranks the name *Bryolejeunea* is illegitimate as it included names at that rank that should be used. The generic name was used in four publications prior to its valid publication (Stephani 1888c: 285, 1890a: 2, 1890c: 134, 1892e: 179). The type of the genus is now included in *Bryopteris* (Nees) Lindenb.
- Caudalejeunea** Schiffn., *Hepat. (Engl.-Prantl)*: 129, 1893 (Schiffner 1893b). Lectotype (Vanden Berghen 1945 [1948]: 38):—*Lejeunea lehmanniana* Gottsche in Gottsche et al. (1845b: 325) ≡ *Caudalejeunea lehmanniana* (Gottsche) Evans (1907b: 554). Note:—This is not a Sprucean subgenus, but the name was introduced, but nowhere validly published, in the period 1884–1893 at both subgeneric (Stephani 1890a: 18; ICN Art. 35.2; not explicitly connected with a generic name) and generic level (Stephani 1890c: 134, Bescherelle 1892: 13).
- Ceratolejeunea** (Spruce) J.B.Jack et Steph., *Hedwigia* 31: 16, 1892 (Jack & Stephani 1892). Basionym:—*Lejeunea* subg. *Ceratolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 198, 1884, ‘*Cerato-Lejeunea*’ (Spruce 1884). Lectotype (Grolle 1983: 10):—*Lejeunea cubensis* Montagne (1842: 481) ≡ *Ceratolejeunea cubensis* (Mont.) Schiffner (1893b: 125). Note:—Bonner et al. (1961: 354) regarded the brief reference to *Cerato-Lejeunea* in Stephani (1890a: 16) as valid publication of the genus name. It can also be argued that the brief comparison with *Neurolejeunea* in Stephani (1888c: 283) would be enough of a description of the genus. However, because of controversy regarding the rank at which these names are treated in this publication, both these publications will be proposed for suppression at the rank of genus. As Grolle (1983) also concluded, *Ceratolejeunea* Jack & Stephani (1892: 16) is the earliest validly published name by the description of *Ceratolejeunea grandiloba* being treated as a combined generic-specific description. The generic name had been used in ten publications (Stephani 1888c: 283, 1890a: 16, 18, 1890b: 91–95, 1890c: 134, 1890d: 284–286, 1891a: 202, 207; 1891c: 203, Schiffner 1890: 30, Coulter et al. 1890: 348, Prantl 1891: vi) prior to its valid publication. Fulford (1945: 369) lectotypified the genus with *Lejeunea cornuta*, but this was rejected by Grolle (1983) as it was not definitely included in the subgenus by Spruce (1884). In his monograph of neotropical *Ceratolejeunea*, Dauphin (2003) followed Grolle (1983) in accepting *Ceratolejeunea* J.B.Jack et Steph. as a validly published generic name that, prior to the introduction of what is now ICN Art. 41.4, would be a heterotypic synonym with *Ceratolejeunea* (Spruce) Schiffn., and consequently designated *Ceratolejeunea grandiloba* J.B.Jack et Steph. as the genericity. Dauphin (2003) recognized two subgenera, *Ceratolejeunea* subg. *Ceratolejeunea* and *Ceratolejeunea* subg. *Caduciloba* Schuster (1978: 430; nine species). Following ICN Art. 41.1, Jack & Stephani’s name must now be regarded as a combination of Spruce’s subgenus and thus the choice of *Ceratolejeunea grandiloba* as type must be rejected. The name *Ceratolejeunea* subg. *Ceratolejeunea* must then replace the name *Ceratolejeunea* subg. *Caduciloba* and the name *Ceratolejeunea* subg. *Ceratophora* Schuster (1956: 294) must replace the name *Ceratolejeunea* subg. *Ceratolejeunea sensu* Dauphin.

- Cheilolejeunea** (Spruce) Steph., *Bot. Gaz.* 15: 284, 1890 (Stephani 1890d), *nom. conserv.* Basionym:—*Lejeunea* subg. *Cheilolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 251, 1884, ‘*Cheilo-Lejeunea*’ (Spruce 1884). Lectotype (Grolle 1983: 10):—*Lejeunea decidua* Spruce (1884: 254) ≡ *Cheilolejeunea decidua* (Spruce) Evans (1905a: 188) [= *Cheilolejeunea adnata* (Kunze ex Lehmann 1834: 46) Grolle (1977: 529), cf. Gradstein (1989)]. Note:—Bonner *et al.* (1961) considered *Cheilolejeunea* validly published as a genus by Stephani (1890b: 88). However, on page 88 of this publication Stephani referred to “*Cheilo-Lej. sandvicensis* St. n. sp.”, as “Section *Cheilo-Lejeunea*” and not genus. As shown by Grolle (1979b: 342), *Cheilolejeunea* can be considered a validly published generic name with the description of *Cheilolejeunea kurzii* being treated as a combined generic-specific one (ICN Art. 38.5). Grolle (1979b) also determined that the original material of *Lejeunea aneogyna* in the Spruce herbarium [MANCH] is a mixture of three taxa. The plant that most closely matches the protologue of *Lejeunea aneogyna* Spruce (1884: 254), the species chosen as the lectotype of *Cheilolejeunea* by Evans (1906: 2), actually belongs to *Trachylejeunea aneogyna* (Spruce) Grolle (1979b: 338). The other species in the mixture are *Cheilolejeunea decidua* and *Cheilolejeunea duriuscula* (Nees in Gottsche *et al.* 1845b: 364) Schiffner (1897: 592). Grolle (1983) proposed *Cheilolejeunea decidua* as the new lectotype for the genus (ICN Art. 9.19, 9A.4). Grolle (1983) suggested that the generic name *Cheilolejeunea* (Spruce) Schiffner (1893b: 124) should be conserved against the older *Euosmolejeunea* Steph. (1889a), but a proposal was never formalized. The proposal of Ye *et al.* (2011) to conserve *Cheilolejeunea* (Spruce) Schiffn. against *Omphalanthus* Lindenb. *et* Nees in Gottsche *et al.* (1845: 303) has been accepted and added to Appendix III of the ICN (McNeill *et al.* 2012). However, *Cheilolejeunea* has not yet been conserved against the earlier name *Euosmolejeunea*, which is now included in it (Grolle 1979b). The generic name *Cheilolejeunea* was used but not validly published in four publications (Stephani 1888b: 109, 1888c: 285, 1890b: 80–86, 1890c: 135) prior to its validation.
- Cololejeunea** (Spruce) Steph., *Hedwigia* 30: 208, 1891 (Stephani 1891a). Basionym:—*Lejeunea* subg. *Cololejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 251, 1884, ‘*Colo-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1945]: 50):—*Lejeunea calcarea* Libert (1820: 373) ≡ *Cololejeunea calcarea* (Libert) Stephani (1892b: 171). Note:—Stephani (1888c: 285) gave a short diagnosis that may be taken as a description. Bonner *et al.* (1961) considered *Cololejeunea* validly published in Stephani (1890a: 18). However, as discussed earlier, whether the taxon is being treated as a genus or a subgenus is ambiguous. As indicated by Grolle (1983), the genus was validly established by the description of *Cololejeunea elegans* being treated as a combined generic-specific one (ICN Art. 38.5). Spruce recognized two sections in his subgenus, *Lejeunea* sect. *Physocolea* Spruce (1884: 292) and *Lejeunea* sect. *Leptocolea* Spruce (1884: 294). Evans (1911) applied the name *Cololejeunea* only to section *Physocolea*, for which he chose *Lejeunea calcarea*, the first species described by Spruce, as the type. Section *Leptocolea* was elevated to generic rank by Evans (1911: 261). *Cololejeunea* was used but not validly published in six publications (Stephani 1888c: 289, 1889a: 168, 1890a: 18, 1890b: 71–96, 1890c: 135, Schiffner 1890: 33–34) prior to its validation.
- Colurolejeunea** (Spruce) Steph., *Hedwigia* 30: 208, 1891 (Stephani 1891a). Basionym:—*Lejeunea* subg. *Colurolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 303, 1884, ‘*Coluro-Lejeunea*’ (Spruce 1884). Lectotype (Bonner 1963: 879):—*Jungermannia calyptrifolia* Hooker (1813: tab. 43) ≡ *Lejeunea calyptrifolia* (Hook.) Sprengel (1827: 234) ≡ *Colurolejeunea calyptrifolia* (Hook.) Stephani (1891a: 208) ≡ *Colura calyptrifolia* (Hook.) Dumortier (1835: 12). Note:—The genus was established by the description of *Colurolejeunea obtusa* being treated as a combined generic-specific description. The generic name was used but not validly published in three publications (Schiffner 1890: 34, Stephani 1890b: 97–98, 1890c: 135) prior to its valid publication. Stephani’s name, although technically not illegitimate (ICN Art. 52.3), is an obligate synonym of the earlier *Colura* (Dumortier 1831) Dumortier (1835), since the two genera share the same type.
- Crossotolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 127, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Crossotolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 161, 1884, ‘*Crossoto-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 30):—*Lejeunea boryana* Montagne (1838: 47) ≡ *Crossotolejeunea boryana* (Mont.) Schiffner (1893b: 127). Note:—Bonner *et al.* (1961) considered the genus validly published in Stephani (1890b: 70), but this publication will be proposed for suppression (see earlier discussion). The generic name was used but not validly published in three publications (Stephani 1890b: 70, 1890c: 136, Jack & Stephani 1892: 16) prior to its valid publication. The type of the genus is now included in *Lejeunea*.
- Dendrolejeunea** (Spruce) Lacout., *Rev. Bryol.* 35: 104 (Lacouture 1908). Basionym:—*Lejeunea* subg. *Dendrolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 110, 1884, ‘*Dendro-Lejeunea*’ (Spruce 1884). Type (monotypic subgenus):—*Bryopteris fruticosa* Lindenb. *et* Gottsche in Gottsche *et al.* (1847: 737) ≡ *Lejeunea fruticosa* (Lindenb. *et* Gottsche) Spruce (1884: 110) ≡ *Dendrolejeunea fruticosa* (Lindenb. *et* Gottsche) Lacouture (1908: 105) ≡ *Thysananthus fruticosus* (Lindenb. *et* Gottsche) Schiffner (1893b: 130). Note:—The generic name was used but not validly published by Schiffner (1890: 25) prior to its valid publication. The type of the genus is now included in *Thysananthus* Lindenb. in Lehmann (1844: 24)
- Dicranolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 128, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Dicranolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 138, 1884, ‘*Dicrano-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 45):—*Lejeunea axillaris* Nees & Montagne (1836: 59) ≡ *Dicranolejeunea axillaris* (Nees *et* Mont.) Schiffner (1893b: 128). Note:—Bonner *et al.* (1961) considered the genus validly published in Stephani (1890a: 7), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). The generic name was used in four publications (Stephani 1890a: 16, 1890c: 136, 1892e: 179, Jack & Stephani 1892: 13) prior to its valid publication.

- Diplasiolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 121, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Diplasiolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 301, 1884, ‘*Diplasio-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 48):—*Jungermannia pellucida* C.F.W.Meissn. ex Sprengel (1827: 325) ≡ *Lejeunea pellucida* (C.F.W.Meissn. ex Spreng.) Gottsche *et al.* (1845b: 393) ≡ *Diplasiolejeunea pellucida* (C.F.W.Meissn. ex Spreng.) Schiffner (1893b: 121). Note:—Bonner *et al.* (1961) considered the generic name validly published in Stephani (1890b: 81; probably error for p. 91), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). *Diplasiolejeunea* was used in its generic form in four publications (Stephani 1888c: 288, 1890b: 90–91, 1890c: 136, 1892e: 179) prior to its valid publication.
- Drepanolejeunea** (Spruce) Steph., *Hedwigia* 30: 209, 1891 (Stephani 1891a). Basionym:—*Lejeunea* subg. *Drepanolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 186, 1884 ‘*Drepano-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 31):—*Jungermannia hamatifolia* Hooker (1813: tab. 51) ≡ *Lejeunea hamatifolia* (Hook.) Sprengel (1827: 234) ≡ *Drepanolejeunea hamatifolia* (Hook.) Schiffner (1893b: 126). Note:—The genus was established by the description of *Drepanolejeunea cristata* being treated as a combined generic-specific description. Bonner *et al.* (1961) considered the genus validly published by the description of *Drepanolejeunea grossidens* in Stephani (1889a: 168). However, the “genus” was not monotypic in that publication and therefore ICN Art. 38.5 cannot be applied. The generic name was used in four publications (Stephani 1888c: 286, 1889a: 168, 1890b: 70–90, 1890c: 136) prior to its valid publication.
- Eulejeunea** Steph., *Hedwigia* 27: 60, 1888 (Stephani 1888a). Holotype:—*Eulejeunea hepaticola* Stephani (1888a: 60) ≡ *Lejeunea hepaticola* (Steph.) Stephani (1915: 714). Note:—Neither Bonner *et al.* (1961) nor Zijlstra (1982) regarded *Eulejeunea* as validly published. However, we agree with Grolle (1983: 16) and consider the name to be validly established by Stephani (1888a) with the description of *Eulejeunea hepaticola* being treated as a combined generic-specific description. Since *Lejeunea* subg. *Eu-Lejeunea* Spruce (1884: 260) is not a validly published name for Spruce’s subgenus as it included the type of the genus *Lejeunea* (*cf.* ICN Art. 21.3), Stephani’s generic name cannot be considered a combination of Spruce’s name (*cf.* ICN Art. 41.4). The type of Stephani’s genus *Eulejeunea* is now included in *Lejeunea* Lib.
- Euosmolejeunea** (Spruce) Steph., *Hedwigia* 28: 170, 1889 (Stephani 1889a). Basionym:—*Lejeunea* subg. *Euosmolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 241, 1884 ‘*Euosmo-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 27):—*Jungermannia trifaria* Reinwardt *et al.* (1824: 226) ≡ *Lejeunea trifaria* (Reinw., Blume et Nees) Gottsche *et al.* (1845b: 341) ≡ *Euosmolejeunea trifaria* (Reinw., Blume et Nees) Stephani (1892b: 171) ≡ *Cheilolejeunea trifaria* (Reinw., Blume et Nees) Mizutani (1964: 132). Note:—Stephani established the genus by the generic-specific description of *Euosmolejeunea sayeri*. Stephani (1888c: 292) used the generic name prior to its valid publication. The type of the generic name is now included in *Cheilolejeunea* (Spruce) Steph. Since the name *Euosmolejeunea* has priority, a proposal must be made to conserve the generic name *Cheilolejeunea* against the older *Euosmolejeunea* to necessary name changes that would otherwise be necessary (see also under *Cheilolejeunea*).
- Harpalejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 126, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Harpalejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 164, 1884 (Spruce 1884) ‘*Harpa-Lejeunea*’. Lectotype (Grolle 1989: 90):—*Lejeunea ancistrodes* Spruce (1884: 169) ≡ *Harpalejeunea ancistrodes* (Spruce) Schiffner (1893b: 126). Note:—Bonner *et al.* (1961) considered the generic name validly published in Stephani (1890b: 70), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). The generic name was used in six publications (Stephani 1888c: 288, 1890b: 70–85, 1890c: 138, Schiffner 1890: 29, Jack & Stephani 1892: 13–18, Pearson 1892: 7) prior to its valid publication. Evans (1903b) recognized *Harpalejeunea ovata* (Hook.) Schiffner (1893b: 127), based on *Jungermannia serpyllifolia* var. β *ovata* Hooker (1813: tab. 42), as the type of *Harpalejeunea*. However, the type of Schiffner’s taxon is technically *Jungermannia ovata* Dickson (1793: 11), which is a completely different taxon. As discussed in detail by Grolle (1989), the typification by Evans is contrary to the protologue of *Harpalejeunea*, requiring the designation of a new lectotype.
- Homalolejeunea** (Spruce) Steph., *Hedwigia* 27: 112, 1888 (Stephani 1888b). Basionym:—*Lejeunea* subg. *Homalolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 132, 1884, ‘*Homalo-Lejeunea*’ (Spruce 1884). Lectotype (Grolle 1983: 20):—*Jungermannia mackaii* Hooker (1813: tab. 53) ≡ *Lejeunea mackaii* (Hook.) Sprengel (1827: 233) ≡ *Marchesinia mackaii* (Hook.) Gray (1821: 689). Note:—Stephani established the genus by the description of *Homalolejeunea henriquesii* being treated as a combined generic-specific description. Stephani’s name, although technically not illegitimate (ICN Art. 52.3), is an obligate synonym of the earlier *Marchesinia* Gray (1821: 689), since the two genera share the same type.
- Hygrolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 124, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Hygrolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 230, 1884, ‘*Hygro-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 27):—*Jungermannia cerina* Lehm. et Lindenb. in Lehmann (1833: 16) ≡ *Lejeunea cerina* (Lehm. et Lindenb.) Lehm. et Lindenb. in Gottsche *et al.* (1845b: 391) ≡ *Hygrolejeunea cerina* (Lehm. et Lindenb.) Schiffner (1893b: 125). Note:—Bonner *et al.* (1961) considered the generic name validly published in Stephani (1890a: 11), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). The name was used in 11 publications (Stephani 1888c: 284, 1889a: 171, 1890a: 23, 1890b: 74–98, 1890c: 138, 1891a: 208, 1892c: 169, 1892e: 179, Schiffner 1890: 35, Prantl 1891: ix, Jack & Stephani 1892: 13) prior to its valid publication. The type of the generic name is now included in *Lejeunea* Lib.

- Leptolejeunea** (Spruce) Steph., *Hedwigia* 30: 270, 1891 (Stephani 1891b). Basionym:—*Lejeunea* subg. *Leptolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 193, 1884, ‘*Lepto-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 31):—*Jungermannia vitrea* Nees (1830: 56) ≡ *Lejeunea vitrea* (Nees) Nees, Lindenb. *et* Gottsche *in* Meyen (1843: 475) ≡ *Leptolejeunea vitrea* (Nees) Schiffner (1893b: 126). Note:—The genus was established by the description of *Leptolejeunea quintasii* being treated as a combined generic-specific description. The generic name was used in four publications (Stephani 1888c: 285, 1889a: 173, 1890b: 96–97, 1890c: 138) prior to its valid publication.
- Lopholejeunea** (Spruce) Steph., *Bot. Gaz.* 15: 285, 1890 (Stephani 1890d), *nom. conserv.* Basionym:—*Lejeunea* subg. *Lopholejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 119, 1884, ‘*Lopho-Lejeunea*’ (Spruce 1884) ≡ *Lopholejeunea* (Spruce) Schiffn., *Hepat. [Engl.-Prantl]*: 129, 1893 (Schiffner 1893b). Lectotype (Vanden Berghen 1945 [1948]: 39):—*Phragmicoma sagrana* Montagne (1842: 464) ≡ *Lejeunea sagrana* (Mont.) Gottsche *et al.* (1845b: 314) ≡ *Lopholejeunea sagrana* (Mont.) Stephani (1891a: 202) [= *Lopholejeunea subfusca* (Nees) Schiffner (1897: 593), *cf.* Gradstein (1989)]. Note:—Stephani established the genus by the description of *Lopholejeunea multilacera* being treated as a combined generic-specific description. Stephani (1889a: 175) published the new species *Lopholejeunea norfolkensis*, but since he referred to the presumed generic name as subgenus, ICN Art. 38.5 cannot be applied and neither the generic nor the specific names are validly published (ICN Art. 35.1). The generic name was used in four publications (Stephani 1889a: 175, 1890a: 16, 1890c: 285, Schiffner 1890: 28) prior to its valid publication.
- Macrolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 125, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Macrolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 224, 1884, ‘*Macro-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 29):—*Lejeunea pallescens* Mitten (1851: 360) ≡ *Macrolejeunea pallescens* (Mitt.) Schiffner (1893b: 125). Note:—The generic name was used in three publications (Stephani 1888c: 292, 1890b: 90, 1890c: 139) prior to its valid publication. The type of the generic name is now included in *Lejeunea* Lib.
- Mastigolejeunea** (Spruce) Steph., *Hedwigia* 30: 206, 1891 (Stephani 1891a). Basionym:—*Lejeunea* subg. *Mastigolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 100, 1884, ‘*Mastigo-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 41):—*Jungermannia auriculata* Wilson *et* Hook. *in* Wilson (1841: no. 170) ≡ *Lejeunea auriculata* (Wilson *et* Hook.) Sullivant (1856: 699) ≡ *Mastigolejeunea auriculata* (Wilson *et* Hook.) Stephani (1892b: 171). Note:—Stephani (1889b) established the genus by the generic-specific description of *Mastigolejeunea nigra*. Bonner *et al.* (1961) considered the generic name established by a generic-specific description of *Mastigolejeunea phaea* in Stephani (1889b: 257), but as Stephani also included other species under *Mastigolejeunea* that had been validly published earlier in other genera, ICN Art. 38.5 cannot be applied. Grolle (1983: 25) questioned whether the reference to Spruce’s subgenus in Stephani (1889b: 259) might be interpreted as a cryptic citation of a previously published description. However, Stephani refers to the taxon at both generic and subgeneric ranks. Since it not unequivocal that *Mastigolejeunea* is being treated as a genus in this publication, ICN Art. 38.14 does not apply. The generic name was used in five publications (Stephani 1888b: 110, 1889b: 257, 1890a: 8, 1890c: 139, Schiffner 1890: 22) prior to its valid publication.
- Microlejeunea** (Spruce) Steph., *Hedwigia* 27: 61, 1888 (Stephani 1888a). Basionym:—*Lejeunea* subg. *Microlejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 286, 1884, ‘*Micro-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 22):—*Jungermannia ulicina* Taylor (1844: 115) ≡ *Lejeunea ulicina* (Taylor) Gottsche *et al.* (1845b: 387) ≡ *Microlejeunea ulicina* (Taylor) Stephani (1892b: 171). Note:—Stephani established the genus by a description of *Microlejeunea africana* being treated as a combined generic-specific description.
- Neurolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 131, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Neurolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 84, 1884, ‘*Neuro-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 47):—*Lejeunea seminervis* Spruce (1884: 84) ≡ *Neurolejeunea seminervis* (Spruce) Schiffner (1893b: 131). Note:—The generic name was used in two publications (Stephani 1888c: 283, 1892b: 171) prior to its valid publication.
- Odontolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 127, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Odontolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 142, 1884, ‘*Odonto-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1848]: 36):—*Jungermannia lunulata* Weber (1815: 33) ≡ *Lejeunea lunulata* (F.Weber) Nees *in* Gottsche *et al.* (1845b: 326) ≡ *Odontolejeunea lunulata* (F.Weber) Schiffner (1893b: 128). Note:—The generic name was used in five publications (Stephani 1888c: 283, 1890a: 19, 1890b: 69, 1890c: 139, 1892e, 180) prior to its valid publication.
- Omphalolejeunea** (Spruce) Lacout., *Rev. Bryol.* 35: 105, 1908 (Lacouture 1908). Basionym:—*Lejeunea* subg. *Omphalolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 86, 1884, ‘*Omphalo-Lejeunea*’ (Spruce 1884). Type (monotypic subgenus):—*Jungermannia filiformis* Swartz (1788: 144) ≡ *Lejeunea filiformis* (Sw.) Nees *ex* Montagne (1839: 64) ≡ *Omphalolejeunea filiformis* (Sw.) Lacouture (1908: 105) *nom. superfl.* Note:—The generic name was used in four publications (Stephani 1888c: 282, 1890c: 140, 1892e: 180, Pearson 1892: 4) prior to its valid publication. Lacouture’s name, although technically not illegitimate (ICN Art. 52.3), is an obligate synonym of the earlier *Omphalanthus* Lindenb. *et* Nees *in* Gottsche *et al.* (1845a: 303), since the two genera share the same type.
- Otigoniolejeunea** (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 125, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Otigoniolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 226, 1884, ‘*Otigonio-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 30):—*Lejeunea xiphotis* Spruce (1884: 277) ≡ *Otigoniolejeunea xiphotis* (Spruce) Schiffner (1893b: 125) [= *Otigoniolejeunea*

huctumalcensis (Lindenb. et Gottsche in Gottsche et al. 1847: 762) Wei et al. (2014: 237), cf. Reiner-Drehwald & Ilkiu-Borges (2007)].

Peltolejeunea (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 131, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Peltolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 85, 1884, ‘*Pelto-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 28):—*Lejeunea ovalis* Lindenb. et Gottsche in Gottsche et al. (1847: 254) ≡ *Peltolejeunea ovalis* (Lindenb. et Gottsche) Schiffner (1893b: 131) ≡ *Omphalanthus ovalis* (Lindenb. et Gottsche) Gradst. in Gradstein et al. (1977: 411). Note:—Bonner et al. (1961) considered the generic name validly published in Stephani (1890a: 23), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). The generic name was used in three publications (Stephani 1890a: 23, 1890c: 140, Jack & Stephani 1892: 13–19) prior to its valid publication. The type of the generic name is now included in *Omphalanthus* Lindenb. et Nees.

Platylejeunea (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 130, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Platylejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 124, 1884, ‘*Platy-Lejeunea*’ (Spruce 1884). Lectotype (Grolle 1983: 32):—*Lejeunea taeniopsis* Spruce (1884: 126) ≡ *Symbiezidium taeniopsis* (Spruce) Fulford (1942: 302) [= *Symbiezidium transversale* (Swartz 1788: 144) Trevisan (1877: 403) var. *hookerianum* (Gottsche et al. 1845b: 311) Gradstein & van Beek (1985), cf. Gradstein (1994)]. Note:—Bonner et al. (1961) considered the generic name validly published in Stephani (1890a: 8), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). The generic name was used in three publications (Stephani 1888c: 282, 1890a: 13, 1890c: 140) prior to its valid publication. The type of the generic name is now included in *Symbiezidium* Trevisan (1877: 402).

Potamolejeunea (Spruce) Lacout., *Rev. Bryol.* 35: 110, 1908 (Lacouture 1908). Basionym:—*Lejeunea* subg. *Potamolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 249, 1884, ‘*Potamo-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 26):—*Lejeunea polystachya* Spruce (1884: 250) ≡ *Potamolejeunea polystachya* (Spruce) Stephani (1914: 638) ≡ *Cheilolejeunea polystachya* (Spruce) Gradstein & Ilkiu-Borges (2009: 62). Note:—The type of the generic name is now included in *Cheilolejeunea* (Spruce) Steph.

Prionolejeunea (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 127, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Prionolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 152, 1884, ‘*Priono-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 35):—*Lejeunea microdonta* Gottsche in Gottsche et al. (1845b: 337) ≡ *Prionolejeunea microdonta* (Gottsche) Stephani (1897a: 842) [= *Prionolejeunea denticulata* (Weber 1815: 30) Schiffner (1893b: 127), cf. Ilkiu-Borges (2006)]. Note:—Bonner et al. (1961) considered the generic name validly published in Stephani (1890a: 8), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). The generic name was used in six publications (Stephani 1888c: 285, 1890b: 69–70, 1890c: 140, 1892c: 171, Jack & Stephani 1892: 13, Pearson 1892: 7) prior to its valid publication.

Ptycholejeunea (Spruce) Steph., in Engler, *Pflanzenwelt Ostafrikas C*: 65, 1895 (Stephani 1895b). Basionym:—*Lejeunea* subg. *Ptycholejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 97, 1884, ‘*Ptycho-Lejeunea*’ (Spruce 1884). Lectotype (Grolle 1983: 33):—*Jungermannia striata* Lehm. et Lindenb. in Lehmann (1832: 16) ≡ *Lejeunea striata* (Lehm. et Lindenb.) Stephani (1890c: 140) ≡ *Ptycholejeunea striata* (Lehm. et Lindenb.) Stephani (1891a: 203) ≡ *Ptychanthus striatus* (Lehm. et Lindenb.) Nees (1838: 212). Note:—*Ptycholejeunea* was not established as a new genus by Stephani (1889b: 258) based on the generic-specific description of *Ptycholejeunea stephensoniana*, as proposed by Bonner et al. (1961) because several additional, validly published species names were referred to *Ptycholejeunea* in that publication. In this same publication, although he refers to *Ptycholejeunea* as “Gattung” on p. 258, he refers to it as subgenus on p. 259. As discussed under *Mastigolejeunea*, because it is not clear that the taxon is being treated as a genus, ICN Art. 38.14 does not apply. Schiffner (1893b) did not treat this taxon, so the earliest publication in which the genus name was validly published is Stephani (1895b: 65). *Ptycholejeunea* is an obligate synonym of the earlier *Ptychanthus* Nees (1838: 211), since the two genera share the same type.

Pycnolejeunea (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 124, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Pycnolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 246, 1884, ‘*Pycno-Lejeunea*’ (Spruce 1884). Lectotype (Grolle 1983: 33):—*Jungermannia contigua* Nees (1833: 360) ≡ *Lejeunea contigua* (Nees) Montagne (1840: 335) ≡ *Pycnolejeunea contigua* (Nees) Grolle (1979a: 179). Note:—Bonner et al. (1961) considered the generic name validly published by Stephani (1890a: 10), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). The generic name was used in eight publications (Stephani 1888c: 289, 1889b: 259, 1890a: 10–11, 1890b: 76–86, 1890c: 140, Schiffner 1890: 32, Bescherelle 1892: 14, Pearson 1892: 8) prior to its valid publication.

Stictolejeunea (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 131, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* subg. *Stictolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 81, 1884, ‘*Sticto-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 47):—*Jungermannia squamata* Willd. in Weber (1815: 33) ≡ *Lejeunea squamata* (Willd.) Nees ex Montagne (1835: 210) ≡ *Stictolejeunea squamata* (Willd.) Schiffner (1893b: 131). Note:—Bonner et al. (1961) considered the generic name validly published by Stephani (1890a: 17), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). The generic name was used in three publications (Stephani 1888c: 291, 1890a: 17, 1890c: 141) prior to its valid publication.

Strepsilejeunea (Spruce) Schiffn., *Hepat. (Engl.-Prantl)*: 127, 1893 (Schiffner 1893b). Basionym:—*Lejeunea* sect. *Strepsilejeunea* Spruce,

Trans. & Proc. Bot. Soc. Edinburgh 15: 168, 1884, ‘*Strepsi-Lejeunea*’ (Spruce 1884). Lectotype (Grolle 1983: 39):—*Lejeunea inflexa* Hampe in Lehmann (1832: 22) ≡ *Strepsilejeunea inflexa* (Hampe) Stephani (1897b: 24) ≡ *Cheilolejeunea inflexa* (Hampe) Stephani (1897b: 24). Note:—Bonner *et al.* (1961) considered the generic name validly published by Stephani (1890b: 74), but this publication will be proposed for suppression at the rank of genus (see earlier discussion). The generic name was used in six publications (Stephani 1888c: 287, 1889b: 260, 1890b: 74–85, 1890c: 141, Jack & Stephani 1892: 13–19, Pearson 1892: 7) prior to its valid publication. The type of the generic name is now included in *Cheilolejeunea* (Spruce) Steph.

Taxilejeunea (Spruce) Steph. *Hedwigia* 28: 262, 1889 (Stephani 1889b), *nom. conserv.* Basionym:—*Lejeunea* subg. *Taxilejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 212, 1884, ‘*Taxi-Lejeunea*’ (Spruce 1884) ≡ *Taxilejeunea* (Spruce) Schiffn., *Hepat. [Engl.-Prantl]*: 125, 1893 (Schiffner 1893b). Lectotype (Jones 1967: 292):—*Jungermannia pterigonia* Lehm. et Lindenb. in Lehmann (1834: 44) ≡ *Lejeunea pterigonia* (Lehm. et Lindenb.) Montagne (1840: 337) ≡ *Taxilejeunea pterigonia* (Lehm. et Lindenb.) Jack & Stephani (1892: 13). Note:—Stephani (1889b) established the genus by the description of *Taxilejeunea convexa* being treated as a combined generic-specific description. The generic name was used in Stephani (1888c: 281) prior to its valid publication. The type of the generic name is now included in *Lejeunea* Lib.

Thysanolejeunea (Spruce) Steph., *Hedwigia* 31: 20, 1892 (Jack & Stephani 1892). Basionym:—*Lejeunea* subg. *Thysanolejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 105, 1884, ‘*Thysano-Lejeunea*’ (Spruce 1884). Lectotype (Grolle 1983: 41):—*Thysananthus comosus* Lindenb. in Lehmann (1844: 25) ≡ *Lejeunea comosa* (Lindenb.) Mitten (1860b: 109). Note:—Stephani established the genus by the description of *Thysanolejeunea gottschei* being treated as a combined generic-specific description. The generic name was used in three publications (Stephani 1889b: 262, 1890a: 4, 1890c: 142) prior to its valid publication. Stephani’s generic name, although technically not illegitimate (ICN Art. 52.3), is an obligate synonym of the earlier *Thysananthus* Lindenb. in Lehmann (1844: 24) since the two genera share the same type.

Trachylejeunea (Spruce) Steph., *Hedwigia* 28: 262, 1889 (Stephani 1889b), *nom. conserv.* Basionym:—*Lejeunea* subg. *Trachylejeunea* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 180, 1884, ‘*Trachy-Lejeunea*’ (Spruce 1884). Lectotype (Vanden Berghen 1945 [1948]: 29):—*Lejeunea acanthina* Spruce (1884: 182) ≡ *Trachylejeunea acanthina* (Spruce) Schiffner (1893b: 126) ≡ *Cheilolejeunea acanthina* (Spruce) Gradstein & Ilkiu-Borges (2009: 62). Note:—Stephani established the genus by the description of *Trachylejeunea elegantissima* being treated as a combined generic-specific description. The type of the generic name is now included in *Cheilolejeunea* (Spruce) Steph.

Binomials at specific rank in Lejeuneaceae published between 1884 and 1893 and their current classification

References in bold are the accepted reference where a binomial at specific rank is validly published, and the references in normal font and put into square brackets are those in which the binomial is used, but considered not validly published. The ICN Article is noted for names not validly published for reasons other than that the genus was not validly published (ICN Art. 35.1). Some names may also fail to fulfil other articles in addition to ICN Art. 35.1. We also give the accepted name of the taxon used in the world checklist of hornworts and liverworts (Söderström *et al.*, *in press*) if other than listed here.

Acrolejeunea abnormis (Gottsche 1882: 352) **Pearson (1892: 4)**.

Acrolejeunea amplexans (Stephani 1886: 86) [Stephani (1890c: 133)]. Note:—The name seems never to have been validly published.

Current name (Gradstein 1975):—*Schiffneriolejeunea polycarpa* (Nees 1833: 350) Gradstein (1974: 335).

Acrolejeunea aulacophora (Montagne 1843: 259) [Stephani (1890c: 133)] **Stephani (1895c: 317)**.

Acrolejeunea borgenii [Stephani (1890a: 10); Stephani (1890c: 133)] **Stephani (1891c: 201)**. Note:—The name is validly published by a reference to Stephani (1890a: 10). Current name (Gradstein 1975):—*Schiffneriolejeunea pappeana* (Nees in Gottsche *et al.* 1845a: 296) Gradstein (1974: 335).

Acrolejeunea confertissima **Stephani (1892c: 165)**. Current name:—*Acrolejeunea emergens* (Mitten 1879: 397) Stephani (1895b: 65) var. *confertissima* (Stephani 1892c: 165) Gradstein (1975: 76).

Acrolejeunea cucullata [Stephani (1890c: 133)]. Note:—The name seems never to have been validly published. Current name (Gradstein 1975):—*Acrolejeunea pycnoclada* (Taylor 1846: 385) Schiffner (1893b: 128) subsp. *pycnoclada*.

Acrolejeunea cumingiana (Montagne 1845a: 7) [Stephani (1890a: 20), ICN Art. 41.1; basionym not valid; Stephani (1890c: 133)] **Schiffner (1898: 283)** Current name:—*Schiffneriolejeunea cumingiana* (Montagne 1845a: 7) Gradstein (1974: 333).

Acrolejeunea densifolia [Schiffner (1890: 26); Sydow (1894: 346) ICN Art. 36.1(c); publ. *in syn.*]. Note:—The name seems never to have been validly published. Current name (Sydow 1894):—*Schiffneriolejeunea pulopenangensis* (Gottsche in Gottsche *et al.* 1845a) Gradstein (1974: 335).

Acrolejeunea fertilis (Reinwardt *et al.* 1824: 211) [Stephani (1890a: 10), ICN Art. 41.1; basionym not valid; Stephani (1890c: 133)] **Schiffner (1893b: 128)**.

- Acrolejeunea fulva* (Gottsche 1882: 550) **Pearson (1892: 4)**. Current name (Geissler & Gradstein 1994):—*Schiffneriolejeunea pappeana* (Nees in Gottsche *et al.* 1845a: 296) Gradstein (1974: 335).
- Acrolejeunea hartmannii* [Stephani (1889a: 164)]. Note:—The name seems never to have been validly published. Current name:—*Acrolejeunea securifolia* (Nees in Endlicher 1833: 5) Stephani (1895d: 59) subsp. *hartmannii* (Stephani 1912b: 44) Gradstein (1975).
- Acrolejeunea haskarliana* (Gottsche in Gottsche *et al.* 1845a: 299) [Stephani (1890c: 133) ‘*Hasskarliana*’] **Schiffner (1893b: 128)** ‘*Hasskarliana*’. Current name:—*Schiffneriolejeunea tumida* var. *haskarliana* (Gottsche in Gottsche *et al.* 1845a: 299) Gradstein & Terken (1981: 77).
- Acrolejeunea inflexa* (Gottsche 1882) **Pearson (1892: 4)**.
- Acrolejeunea juliformis* (Nees 1833: 351) [Stephani (1890c: 133)] **Schiffner (1894: 183)**. Current name:—*Archilejeunea juliformis* (Nees 1833: 351) Gradstein (1975: 127).
- Acrolejeunea molleri* (Stephani 1886: 86) [Stephani (1890c: 133)] **Paris (1906: 41)**. Current name (Gradstein 1974):—*Schiffneriolejeunea polycarpa* (Nees 1833: 350) Gradstein (1974: 335).
- Acrolejeunea novae-guineae* [Stephani (1889a: 165)] **Stephani (1907: 295)**. Current name (Gradstein & Terken 1981):—*Schiffneriolejeunea tumida* (Nees 1838: 213) Gradstein (1974: 335).
- Acrolejeunea occulta* [Stephani (1888b: 112); Stephani (1889a: 166)]. Note:—The name seems never to have been validly published. Current name:—*Schiffneriolejeunea occulta* (Stephani 1912b: 25) Gradstein (1974: 333).
- Acrolejeunea pappeana* (Nees in Gottsche *et al.* 1845a: 296) [Stephani (1889a: 166); Stephani (1890c: 133)] **Schiffner (1894: 182)**. Current name:—*Schiffneriolejeunea pappeana* (Nees in Gottsche *et al.* 1845a: 296) Gradstein (1974: 335).
- Acrolejeunea parviloba* **Stephani (1890d: 286)**. Current name:—*Schiffneriolejeunea parviloba* (Stephani 1890d: 286) Gradstein (1974: 335).
- Acrolejeunea peradeniensis* (Mitten 1860b: 111) [Stephani (1889a: 166)] **Schiffner (1898: 286)**. Current name (Gradstein & Terken 1981):—*Schiffneriolejeunea tumida* (Nees 1838: 213) Gradstein (1974: 335) var. *tumida*.
- Acrolejeunea polycarpa* (Nees 1833: 350) [Stephani (1889a: 166); Stephani (1890a: 22); Stephani (1890c: 133)] **Schiffner (1893b: 128)**. Current name:—*Schiffneriolejeunea polycarpa* (Nees 1833: 350) Gradstein (1974: 335).
- Acrolejeunea pulopenangensis* (Gottsche in Gottsche *et al.* 1845a: 299) [Stephani (1889a: 166); Stephani (1890c: 133)] **Schiffner (1894: 184)**. Current name:—*Schiffneriolejeunea pulopenangensis* (Gottsche in Gottsche *et al.* 1845a) Gradstein (1974: 335).
- Acrolejeunea pycnoclada* (Taylor 1846: 385) **Schiffner (1893b: 128)**.
- Acrolejeunea renauldii* [Stephani (1888b: 107)]. Note:—The name seems never to have been validly published. Current name (Gradstein 1975):—*Acrolejeunea aulacophora* (Montagne 1843: 259) Stephani (1895c: 317).
- Acrolejeunea rostrata* [Schiffner (1890: 26)] Schiffn. ex **Sydow (1894: 246)**. Current name (Gradstein 1975):—*Acrolejeunea pycnoclada* (Taylor 1846: 385) Schiffner (1893b: 128) subsp. *pycnoclada*.
- Acrolejeunea securifolia* (Nees in Endlicher 1833: 5) [Stephani (1890c: 133)] **Stephani (1895b: 59)**.
- Acrolejeunea terminalis* (Spruce 1884: 116) [Stephani (1889a: 166)] **Schiffner (1894: 178)**. Current name (Verdoorn 1934a):—*Acrolejeunea pycnoclada* (Taylor 1846: 385) Schiffner (1893b: 128) subsp. *pycnoclada*.
- Acrolejeunea torulosa* (Lehm. et Lindenb. in Lehmann 1834: 41) [Stephani (1890c: 133)] **Schiffner (1893b: 128)**.
- Acrolejeunea tumida* (Nees 1838: 213) [Stephani (1890c: 133)] **Schiffner (1894: 185)**. Current name:—*Schiffneriolejeunea tumida* (Nees 1838: 213) Gradstein (1974: 335).
- Acrolejeunea wildii* [Stephani (1889a: 165)] Steph. et Watts in **Watts (1901: 215)**. Current name (Gradstein 1975):—*Acrolejeunea securifolia* (Nees in Endlicher 1833: 5) Stephani (1895d: 59) subsp. *securifolia*.
- Anomalolejeunea pluriplicata* (Pearson 1887: 2) [Stephani (1892a: 120)] **Schiffner (1893b: 127)**. Current name:—*Cheilolejeunea pluriplicata* (Pearson 1887: 2) Schuster (1980b: 430).
- Anoplolejeunea herpestica* (Spruce 1884: 129) **Schiffner (1893b: 131)**. Current name (Evans 1908a):—*Anoplolejeunea conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) Evans (1908a: 175).
- Archilejeunea auberiana* (Montagne 1842: 483) **Stephani (1890c: 134)**.
- Archilejeunea bongardii* **Stephani (1890a: 20)**.
- Archilejeunea chrysophylla* (Lehmann 1835: 423) **Stephani (1890c: 134)**. Current name:—*Acanthocoleus chrysophyllus* (Lehmann 1835: 423) Kruijt (1988: 72).
- Archilejeunea clypeata* (Schweinitz 1821: 12) **Stephani (1890a: 21)**. Current name:—*Cheilolejeunea clypeata* (Schweinitz 1821: 423) Ye & Zhu (2010: 280).
- Archilejeunea cognata* (Nees 1833: 353) **Stephani (1890c: 134)**. Current name (Gradstein & Buskes 1985):—*Anoplolejeunea conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) Evans (1908a: 175).
- Archilejeunea conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) [Stephani (1890b: 73) ICN Art. 41.1; basionym not valid] **Stephani (1890c: 134)**. Current name:—*Anoplolejeunea conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) Evans (1908a: 175).

- Archilejeunea cruegeri* (Lindenb. in Gottsche *et al.* 1845b: 319) **Stephani (1890c: 134)**. Current name (Gradstein & Buskes 1985):—*Archilejeunea parviflora* (Nees 1833: 353) Stephani (1890c: 134).
- Archilejeunea erronea* **Stephani (1888b: 113)**. Current name (Gradstein & Geissler 1997):—*Cheilolejeunea clypeata* (Schweinitz 1821: 423) Ye & Zhu (2010: 280).
- Archilejeunea guahamensis* (Lindenb. in Gottsche *et al.* 1845b: 346) **Stephani (1890c: 134)**. Current name (Verdoorn 1934b):—*Mastigolejeunea humilis* (Gottsche in Gottsche *et al.* 1845a: 239) Schiffner (1893b: 129).
- Archilejeunea huanucensis* (Gottsche. in Gottsche *et al.* 1845b: 346) **Stephani (1890c: 134)**. Current name:—*Omphalanthus huanucensis* (Gottsche in Gottsche *et al.* 1845b: 346) Gradst. in Gradstein & Buskes (1985: 109).
- Archilejeunea leprieurii* (Montagne 1835: 213) **Schiffner (1893b: 130)**. Current name (Gradstein & Buskes 1985):—*Archilejeunea parviflora* (Nees 1833: 353) Stephani (1890c: 134).
- Archilejeunea mariana* (Gottsche in Gottsche *et al.* 1845b: 337) **Stephani (1890a: 17)**. Current name:—*Cheilolejeunea mariana* (Gottsche in Gottsche *et al.* 1845b: 337) Thiers & Gradstein (1989: 75).
- Archilejeunea nobilis* (Gottsche 1882: 353) **Pearson (1892: 4)**. Current name:—*Marchesinia nobilis* (Gottsche 1882: 353) Shi *et al.* (2015: 249).
- Archilejeunea olivacea* (Hooker & Taylor 1844c: 568) **Stephani (1890c: 134)**.
- Archilejeunea parviflora* (Nees 1833: 353) **Stephani (1890c: 134)**.
- Archilejeunea rotalis* (Hooker & Taylor 1845: 89) **Stephani (1890c: 134)**. Current name:—*Cheilolejeunea rotalis* (Hooker & Taylor 1845: 89) Wigginton (2012: 270).
- Archilejeunea rotundistipula* (Lehmann 1829: 360) [Stephani (1890a: 20), ICN Art. 41.1; basionym not valid] **Stephani (1890c: 134)**. Current name:—*Cheilolejeunea rotundistipula* (Lindenb. ex Lehmann 1829: 360) Malombe (2009: 322).
- Archilejeunea scutellata* (Taylor 1846: 383) **Stephani (1890c: 134)**. Current name (Gradstein & Buskes 1985):—*Archilejeunea olivacea* (Hooker & Taylor 1844c: 568) Stephani (1890c: 134).
- Archilejeunea uncioloba* (Lindenb. in Gottsche *et al.* 1845b: 331) **Stephani (1890c: 134)**. Current name:—*Cheilolejeunea uncioloba* (Lindenb. in Gottsche *et al.* 1845b: 331) Malombe (2009: 325).
- Archilejeunea viridissima* (Lindenb. 1843: 320) **Stephani (1890c: 134)**. Current name (Gradstein & Buskes 1985):—*Archilejeunea parviflora* (Nees 1833: 353) Stephani (1890c: 134).
- Archilejeunea xanthocarpa* (Lehm. et Lindenb. in Lehmann 1833: 8) **Stephani (1890c: 134)**. Current name:—*Cheilolejeunea xanthocarpa* (Lehm. et Lindenb. in Lehmann 1833: 8) Malombe (2009: 326).
- Brachiolejeunea bicolor* (Nees 1833: 349) [Stephani (1890c: 134)] **Schiffner (1893b: 128)**. Current name (van Slageren 1985):—*Frullanoides densifolia* Raddi (1822: 14) subsp. *densifolia*.
- Brachiolejeunea birmensis* [Stephani 1889a: 167] **Stephani (1895d: 63)**. Current name (Mizutani 1989):—*Acrolejeunea infuscata* (Mitten 1860b: 111) Jian Wang bis et Gradst. in Wang *et al.* (2014: 38).
- Brachiolejeunea caledonica* [Stephani (1889a: 167)]. Note:—The name seems never to have been validly published and presumably refers to some other genus since *Brachiolejeunea* is a New World genus (van Slageren 1985).
- Brachiolejeunea corticalis* (Lehm. et Lindenb. in Lehmann 1832: 50) [Stephani (1890a: 7); Stephani (1890c: 134)] **Schiffner (1894: 180)**. Current name:—*Frullanoides corticalis* (Lehm. et Lindenb. in Lehmann 1832: 50) van Slageren (1985: 84).
- Brachiolejeunea laxifolia* (Taylor 1847: 341) [Stephani (1890a: 7); Stephani (1890c: 134)] **Schiffner (1893b: 128)**.
- Brachiolejeunea leiboldiana* (Gottsche et Lindenb. in Gottsche *et al.* 1845a: 296) [Stephani (1890c: 134)] **Schiffner (1894: 182)**.
- Brachiolejeunea liebmaniana* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 744) [Stephani (1890c: 134) ‘*Liebmanniana*’] **Schiffner (1894: 183)**. Current name:—*Frullanoides liebmaniana* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 744) van Slageren (1985: 102).
- Brachiolejeunea papilionacea* [Stephani (1889a: 167)] **Stephani (1895d: 64)**. Current name (van Slageren 1985):—*Phaeolejeunea latistipula* (Schiffn. ex Sydow 1894: 246) Mizutani (1968: 131).
- Brachiolejeunea plagiochiloides* [Steph. et Spruce in Stephani (1889a: 167)] (Stephani 1889b: 257) **Stephani (1912b: 141)**. Current name (van Slageren 1985):—*Spruceanthus semirepandus* (Nees 1830: 39) Verdoorn (1934b: 153).
- Brachiolejeunea securifolia* [Stephani (1889a: 168)] **Stephani (1912b: 128)**. Current name:—*Blepharolejeunea securifolia* (Stephani 1912b: 128) Schuster (1980b: 424).
- Brachiolejeunea spruceana* (Massalongo 1885: 246) **Schiffner (1893b: 128)**.
- Brachiolejeunea succisa* [Stephani (1889a: 168)] **Stephani (1895d: 65)**. Current name (van Slageren 1985):—*Frullanoides densifolia* Raddi (1822: 14) subsp. *densifolia*.
- Brachiolejeunea tristis* [Stephani (1890a: 8); Stephani (1890c: 134)] **Stephani (1912b: 112)**. Current name:—*Frullanoides tristis* (Stephani 1912b: 112) van Slageren (1985: 110).
- Brachiolejeunea ustulata* (Taylor 1846: 388) [Stephani (1890c: 134)]. Note:—The name seems never to have been validly published. Current name (Gradstein 1975):—*Acrolejeunea fertilis* (Reinwardt *et al.* 1824: 211) Schiffner (1893b: 128).

- Bryolejeunea diffusa* (Swartz 1788: 144) [Stephani (1888c: 300); Stephani (1890c: 134); Stephani (1892e: 179)]. Note:—The name seems never to have been validly published. Current name:—*Bryopteris diffusa* (Swartz 1788: 144) Nees in Gottsche *et al.* (1845a: 286).
- Bryolejeunea filicina* (Swartz 1788: 145) [Stephani (1888c: 285); Stephani (1890c: 134)]. Note:—The name seems never to have been validly published. Current name:—*Bryopteris filicina* (Swartz 1788: 145) Nees in Gottsche *et al.* (1845a: 284).
- Bryolejeunea flaccida* (Lindenb. et Hampe in Hampe 1851: 640) [Stephani (1890c: 134); Stephani (1892e: 179)]. Note:—The name seems never to have been validly published. Current name (Gradstein 1994):—*Bryopteris filicina* (Swartz 1788: 145) Nees in Gottsche *et al.* (1845a: 284).
- Bryolejeunea fruticulosa* (Taylor 1846: 382) [Stephani (1892e: 179)] **Lacouture (1908: 107)**. Current name (Gradstein 1994):—*Bryopteris filicina* (Swartz 1788: 145) Nees in Gottsche *et al.* (1845a: 284).
- Bryolejeunea gaudichaudii* (Gottsche 1857: 340) [Stephani (1890c: 134)]. Note:—The name seems never to have been validly published. Current name:—*Bryopteris gaudichaudii* Gottsche (1857: 340).
- Bryolejeunea liebmaniana* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 738) [Stephani (1890c: 134) ‘*Liebmanniana*’]. Note:—The name seems never to have been validly published. Current name (Gradstein 1994):—*Bryopteris filicina* (Swartz 1788: 145) Nees in Gottsche *et al.* (1845a: 284).
- Bryolejeunea tenuicaulis* (Gottsche *et al.* 1845a: 285) [Stephani (1890c: 134); Stephani (1892e: 179)]. Note:—The name seems never to have been validly published. Current name (Gradstein 1994):—*Bryopteris filicina* (Swartz 1788: 145) Nees in Gottsche *et al.* (1845a: 284).
- Bryolejeunea trinitensis* (Lehm. et Lindenb. in Lehmann 1833: 12) [Stephani (1890c: 134)]. Note:—The name seems never to have been validly published. Current name (Gradstein 1994):—*Bryopteris filicina* (Swartz 1788: 145) Nees in Gottsche *et al.* (1845a: 284).
- Caudalejeunea africana* (Stephani 1886: 93) **Schiffner (1893b: 129)**.
- Caudalejeunea crescentiae* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 752) [Stephani (1890c: 134)] **Schiffner (1893b: 129)**. Current name (Stephani 1912b):—*Caudalejeunea lehmanniana* (Gottsche in Gottsche *et al.* 1845b: 325) Evans (1907b: 554).
- Caudalejeunea haenkeana* (Schiffner 1886: 210) **Schiffner (1893b: 129)**. Current name (Stephani 1912b):—*Caudalejeunea lehmanniana* (Gottsche in Gottsche *et al.* 1845b: 325) Evans (1907b: 554).
- Caudalejeunea hanningtonii* (Mitten 1886: 324) **Schiffner (1893b: 129)**.
- Caudalejeunea harpaphylla* (Spruce 1884: 123) **Schiffner (1893b: 129)**. Current name (Stephani 1912b):—*Caudalejeunea lehmanniana* (Gottsche in Gottsche *et al.* 1845b: 325) Evans (1907b: 554).
- Caudalejeunea lehmanniana* (Gottsche in Gottsche *et al.* 1845b: 325) [Stephani (1890c: 134)] **Evans (1907b: 554)**.
- Caudalejeunea leiboldii* [Stephani (1890a: 19)] **Stephani (1895a: 233)**. Current name (Stephani 1912b):—*Caudalejeunea lehmanniana* (Gottsche in Gottsche *et al.* 1845b: 325) Evans (1907b: 554).
- Caudalejeunea recurvistipula* (Gottsche in Gottsche *et al.* 1845b: 326) [Stephani (1890c: 134)] **Schiffner (1893b: 129)**. Current name (Verdoorn 1934b):—*Caudalejeunea reniloba* (Gottsche in Gottsche *et al.* 1845b: 326) Stephani (1912b: 16).
- Caudalejeunea stephanii* [Bescherelle 1892: 13; Schiffner (1893b: 129), ICN Art. 38.1(a); no description] **Stephani (1912b: 17)**. Current name (Mizutani 1988):—*Caudalejeunea reniloba* (Gottsche in Gottsche *et al.* 1845b: 326) Stephani (1912b: 16).
- Ceratolejeunea amazonica* [Stephani (1890b: 91); Stephani (1890c: 134)] **Stephani (1913: 395)**. Current name (Dauphin 2003):—*Ceratolejeunea cubensis* (Montagne 1842: 481) Schiffner (1893b: 125).
- Ceratolejeunea auriculata* [Schiffner (1890: 30)] Schiffn. *ex* **Sydow (1894: 246)**. Current name (Mizutani 1977):—*Lepidolejeunea bidentula* (Steph. in Jack & Stephani 1894: 107) Schuster (1980b: 425).
- Ceratolejeunea belangeriana* (Gottsche in Gottsche *et al.* 1845b: 398) [Stephani (1890b: 93); Stephani (1890c: 134)] **Stephani (1913: 396)**.
- Ceratolejeunea brasiliensis* (Gottsche in Gottsche *et al.* 1845b: 398) [Stephani (1890b: 93); Stephani (1890c: 134)] **Stephani (1892e: 179)**. Current name (Dauphin 2003):—*Ceratolejeunea fallax* (Lehm. et Lindenb. in Lehmann 1833: 17) Bonner (1953: 189).
- Ceratolejeunea breutelii* (Gottsche in Gottsche *et al.* 1845b: 324) [Stephani (1888c: 283, 300); Stephani (1890c: 134)] **Schiffner (1893b: 125)**. Current name:—*Neurolejeunea breutelii* (Gottsche in Gottsche *et al.* 1845b: 324) Evans (1907a: 13).
- Ceratolejeunea catenulata* (Nees in Gottsche *et al.* 1845b: 323) [Stephani (1890c: 134)]. Note:—The name seems never to have been validly published. Current name:—*Neurolejeunea catenulata* (Nees in Gottsche *et al.* 1845b: 323) Schiffner (1893b: 131).
- Ceratolejeunea ceratantha* (Nees et Mont. in Montagne 1840: 335) [Stephani (1888c: 283, 300); Stephani (1890b: 92); Stephani (1890c: 134)] **Schiffner (1897: 582)**.
- Ceratolejeunea coarina* (Gottsche in Gottsche *et al.* 1845b: 395) [Stephani (1890b: 91); Stephani (1890c: 134)] **Schiffner (1893b: 125)**.
- Ceratolejeunea cornuta* (Lindenberg 1829: 23) [Stephani (1888c: 285); Stephani (1890b: 94); Stephani (1890c: 134)] **Stephani (1895b: 65)**.
- Ceratolejeunea cornutissima* **Stephani (1892c: 166)**. Current name (Wigginton & Grolle 1996):—*Ceratolejeunea coarina* (Gottsche in Gottsche *et al.* 1845b: 395) Schiffner (1893b: 125).
- Ceratolejeunea cubensis* (Montagne 1842: 481) [Stephani (1888c: 300); Stephani (1890c: 134)] **Schiffner (1893b: 125)**.

- Ceratolejeunea desciscens* (Sande Lacoste 1856: 107) **Schiffner (1893b: 126)**.
- Ceratolejeunea devexa* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 750) [Stephani (1890c: 134)] **Stephani (1913: 408)**. Current name (Schuster 1980a):—*Neurolejeunea breutelii* (Gottsche in Gottsche *et al.* 1845b: 324) Evans (1907a: 13).
- Ceratolejeunea diversicornua* (Prantl 1891: ix) [Stephani (1891a: 207); Prantl (1891: vi)] Schiffn. *ex* **Sydow (1894: 239)**. Current name (Gradstein 2013a):—*Ceratolejeunea coarina* (Gottsche in Gottsche *et al.* 1845b: 395) Schiffner (1893b: 125).
- Ceratolejeunea filaria* (Taylor in Lehmann 1844: 28) [Stephani (1890b: 96); Stephani (1890c: 134)] **Stephani (1913: 412)**.
- Ceratolejeunea grandiloba* **Jack & Stephani (1892: 16)**.
- Ceratolejeunea guianensis* (Nees et Mont. in Montagne 1840: 335) [Stephani (1890b: 92); Stephani (1890c: 134)] **Stephani (1913: 416)**.
- Ceratolejeunea haeckeriana* (Gottsche et Lindenb. in Gottsche *et al.* 1845b: 401) [Stephani (1890b: 95); Stephani (1890c: 135)] **Stephani (1913: 417)**. Current name (Reiner-Drehwald 1999):—*Ceratolejeunea cornuta* (Lindenberg 1829: 23) Stephani (1895b: 65).
- Ceratolejeunea involvens* (Nees et Mont. in Montagne 1840: 336) [Stephani (1890b: 95); Stephani (1890c: 135)] **Stephani (1913: 336)**. Current name (Dauphin 2003):—*Ceratolejeunea cornuta* (Lindenberg 1829: 23) Stephani (1895b: 65).
- Ceratolejeunea kegelii* (Lindenberg & Gottsche 1851: 635) [Stephani (1888c: 300)] **Stephani (1913: 420)**. Current name (Dauphin 2003):—*Ceratolejeunea coarina* (Gottsche in Gottsche *et al.* 1845b: 395) Schiffner (1893b: 125).
- Ceratolejeunea longicornis* (Gottsche in Gottsche *et al.* 1845b: 401) [Stephani (1890b: 95); Stephani (1890c: 135)] **Stephani (1913: 421)**. Current name (Reiner-Drehwald 1999):—*Ceratolejeunea filaria* (Lehmann 1844: 28) Stephani (1913: 412).
- Ceratolejeunea martiana* (Gottsche in Gottsche *et al.* 1845b: 398) [Stephani (1890b: 93); Stephani (1890c: 135)] **Stephani (1913: 422)**. Current name (Reiner-Drehwald 1999):—*Ceratolejeunea cornuta* (Lindenberg 1829: 23) Stephani (1895b: 65).
- Ceratolejeunea mascarena* [Stephani (1890d: 284), Coulter *et al.* (1890: 348), Stephani (1891a: 202), Steph. *ex* Prantl (1891: vi), Stephani (1891c: 203)] **Stephani (1892d: 204)**. Current name (Grolle 1978):—*Ceratolejeunea belangeriana* (Gottsche in Gottsche *et al.* 1845b: 398) Stephani (1913: 396).
- Ceratolejeunea mauritiana* [Stephani (1890d: 285), Coulter *et al.* (1890: 348), Stephani (1891c: 204)] **Stephani (1892d: 205)**. Current name (Grolle 1995):—*Ceratolejeunea belangeriana* (Gottsche in Gottsche *et al.* 1845b: 398) Stephani (1913: 396).
- Ceratolejeunea miradorensis* [Stephani (1890b: 93); Stephani (1890c: 135)] (Prantl 1890: xvi) **Stephani (1913: 426)**. Current name (Dauphin 2003):—*Ceratolejeunea cornuta* (Lindenberg 1829: 23) Stephani (1895b: 65).
- Ceratolejeunea oculata* (Gottsche in Gottsche *et al.* 1845b: 357) [Stephani (1890c: 135)] **Stephani (1897a: 842)**.
- Ceratolejeunea poeppigiana* (Nees in Gottsche *et al.* 1845b: 396) [Stephani (1890c: 135)] **Stephani (1913: 433)**. Current name (Dauphin 2003):—*Ceratolejeunea ceratantha* (Nees et Mont. in Montagne 1840: 335) Schiffner (1897: 582).
- Ceratolejeunea pyriformis* (Stephani 1890b: 93) [Stephani (1890c: 135)] **Stephani (1913: 435)**. Current name (Dauphin 2003):—*Ceratolejeunea cubensis* (Montagne 1842: 481) Schiffner (1893b: 125).
- Ceratolejeunea radicata* (Nees *ex* Montagne 1842: 475) [Stephani (1890b: 95); Stephani (1890c: 135)] **Stephani (1913: 435)**. Current name:—*Leptolejeunea radicata* (Nees *ex* Montagne 1842: 475) Grolle (1979a: 178).
- Ceratolejeunea renaudii* [Stephani (1890d: 286), Coulter *et al.* (1890: 348), Stephani (1891c: 204)] **Stephani (1892d: 205)**. Current name (Grolle 1977):—*Lejeunea alata* Gottsche in Gottsche *et al.* (1845b: 406).
- Ceratolejeunea rigidula* (Nees *ex* Montagne 1840: 336) [Stephani (1890b: 82); Stephani (1890c: 135)] **Stephani (1913: 437)**. Current name:—*Cheilolejeunea rigidula* (Nees *ex* Montagne 1840: 336) Schuster (1971: 102).
- Ceratolejeunea singaporensis* (Lindenb. in Gottsche *et al.* 1845b: 397) [Stephani (1890b: 93); Stephani (1890c: 135)] **Schiffner (1898: 273)**.
- Ceratolejeunea spinosa* (Gottsche in Gottsche *et al.* 1845b: 402) [Stephani (1888c: 291); Stephani (1890c: 135)] **Stephani (1895a: 238)**.
- Ceratolejeunea splitgerberiana* (Montagne 1841: 112) [Stephani (1890b: 95)] **Stephani (1913: 443)**. Current name (Reiner-Drehwald 1999):—*Ceratolejeunea cornuta* (Lindenberg 1829: 23) Stephani (1895b: 65).
- Ceratolejeunea variabilis* (Lindenb. in Gottsche *et al.* 1845b: 399) [Stephani (1888c: 293); Stephani (1890b: 94); Stephani (1890c: 135)] **Pearson (1892: 8)**. Current name (Dauphin 2003):—*Ceratolejeunea cornuta* (Lindenberg 1829: 23) Stephani (1895b: 65).
- Cheilolejeunea bethanica* (Gottsche in Gottsche *et al.* 1845b: 381) [Stephani (1890b: 86); Stephani (1890c: 135)] **Stephani 1914: 652**. Current name:—*Lejeunea bethanica* Gottsche in Gottsche *et al.* (1845b: 381).
- Cheilolejeunea clausa* (Nees et Mont. in Montagne 1840: 337) [Stephani (1890b: 80); Stephani (1890c: 135)] **Schuster (1980a: 863)**.
- Cheilolejeunea duriuscula* (Nees in Gottsche *et al.* 1845b: 364) [Stephani (1888c: 285, 300); Stephani (1890b: 81); Stephani (1890c: 135)] **Schiffner (1897: 592)**. Current name (Gradstein 1989):—*Cheilolejeunea rigidula* (Nees *ex* Montagne 1840: 336) Schuster (1971: 102).
- Cheilolejeunea gaudichaudii* (Lindenb. in Gottsche *et al.* 1845b: 372) [Stephani (1890b: 82); Stephani (1890c: 135)]. Note:—The name seems never to have been validly published. Current name (Schultze-Motel & Menzel 1987):—*Lejeunea flava* (Swartz 1788: 144) Nees (1838: 277).
- Cheilolejeunea heteroclada* (Spruce 1884: 256) **Schiffner (1893b: 124)**.

- Cheilolejeunea intertexta* (Lindenb. in Gottsche *et al.* 1845b: 379) [Stephani (1890b: 85); Stephani (1890c: 135)] **Stephani (1897c: 79)**.
Cheilolejeunea kurzii **Stephani (1890d: 284)**. Current name (Kitagawa 1981):—*Cheilolejeunea intertexta* (Lindenb. in Gottsche *et al.* 1845b: 379) Stephani (1897c: 79).
- Cheilolejeunea lineata* (Lehm. et Lindenb. in Lehmann 1832: 53) [Stephani (1888c: 287); Stephani (1890b: 82); Stephani (1890c: 135)]
Schiffner (1893b: 124).
- Cheilolejeunea lurida* (Lindenb. in Gottsche *et al.* 1845b: 379) [Stephani (1890b: 85); Stephani (1890c: 135)] **Stephani (1914: 658)**.
Cheilolejeunea melastomatis (Lindenb. et Gottsche in Gottsche *et al.* 1847: 763) [Stephani (1890b: 82); Stephani (1890c: 135)]. Note:—
 The name seems never to have been validly published. Current name (Reiner-Drehwald & Grolle 2012):—*Lejeunea flava* (Swartz 1788: 144) Nees (1838: 277).
- Cheilolejeunea myriantha* (Nees et Mont. in Gottsche *et al.* 1845b: 398) [Stephani (1890b: 80); Stephani (1890c: 135)] **Schiffner (1897: 590)**. Current name (Gradstein & Hekking 1989):—*Cheilolejeunea discoidea* (Lehm. et Lindenb. in Lehmann 1834: 47) R.M.Schust. et Kachroo in Kachroo & Schuster (1961: 509).
- Cheilolejeunea newtonii* [Stephani (1888b: 109) ‘*Newtoni*’] **Schiffner (1893b: 124)** ‘*Newtoni*’. Current name (Malombe 2007):—
Cheilolejeunea intertexta (Lindenb. in Gottsche *et al.* 1845b: 379) Stephani (1897c: 79).
- Cheilolejeunea novoguineensis* (Schiffner 1893a: 258) **Schiffner (1893b: 124)**. Current name:—*Lejeunea novoguineensis* Schiffner (1893a: 258).
- Cheilolejeunea oxyloba* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 770) [Stephani (1890b: 81, 98); Stephani (1890c: 135)] **Stephani (1914: 659)**. Current name (Grolle 1981):—*Lejeunea spiniloba* Lindenb. et Gottsche in Gottsche *et al.* (1847: 770).
- Cheilolejeunea papulosa* **Schiffner (1893b: 124)**.
- Cheilolejeunea principensis* [Stephani (1888b: 109)] **Schiffner (1893b: 124)**. Current name (Grolle 1979b):—*Cheilolejeunea rigidula* (Nees ex Montagne 1840: 336) Schuster (1971: 102).
- Cheilolejeunea sandvicensis* [Stephani (1890b: 88); Stephani (1890c: 135)] (Prantl 1890: xvii) **Stephani (1897a: 842)**.
- Cheilolejeunea trinitensis* (Lindenb. in Gottsche *et al.* 1845b: 381) [Stephani (1890b: 86) ‘*trinidadensis*’]. Note:—The name seems never to have been validly published. Current name:—*Lejeunea trinitensis* Lindenb. in Gottsche *et al.* (1845b: 381).
- Cheilolejeunea virescens* (Lehm. et Lindenb. in Lehmann 1838: 21) [Stephani (1890b: 82); Stephani (1890c: 135)] **Stephani (1914: 662)**.
Cheilolejeunea xanthophylla (Lindenb. in Gottsche *et al.* 1845b: 370) [Stephani (1890b: 81); Stephani (1890c: 135)] **Stephani (1914: 663)**.
- Cololejeunea angustibracteata* [Schiffner (1890: 34)] Schiffn. ex **Sydow (1894: 246)**.
- Cololejeunea bistyla* [Stephani (1889a: 168)]. Note:—The name seems never to have been validly published. Current name:—*Cololejeunea hamata* Stephani (1895a: 248).
- Cololejeunea calcarea* (Libert 1820: 373) [Stephani (1890b: 71); Stephani (1890c: 135)] **Stephani (1892b: 171)**.
- Cololejeunea cardiocarpa* (Montagne 1842: 476) [Stephani (1890b: 91); Stephani (1890c: 135)] **Evans (1902: 172)**.
- Cololejeunea crenatiflora* **Stephani (1891b: 270)**. Current name (Tixier 1989):—*Cololejeunea obliqua* (Nees et Mont. in Montagne 1843: 264) Schiffner (1897: 586).
- Cololejeunea cuneata* (Lehm. et Lindenb. in Lehmann 1832: 56) [Stephani (1890b: 91); Stephani (1890c: 135)] **Herzog (1947: 320)**.
- Cololejeunea cuneifolia* **Stephani (1892c: 166)**.
- Cololejeunea elegans* **Stephani (1891a: 208)**.
- Cololejeunea epiphyta* (Gottsche in Gottsche *et al.* 1845b: 391) [Stephani (1890b: 90); Stephani (1890c: 135)]. Note:—The name seems never to have been validly published. Current name (Evans 1911):—*Myriocoleopsis minutissima* (Sm. in Smith & Sowerby 1806: tab. 1633) R.L.Zhu, Y.Yu et Pócs in Yu *et al.* (2014: 293) subsp. *myriocarpa* (Nees et Mont. in Montagne 1842: 473) R.L.Zhu, Y.Yu et Pócs in Yu *et al.* (2014: 294).
- Cololejeunea filicaulis* **Stephani (1892c: 168)**. Current name (Tixier 1989):—*Cololejeunea hildebrandii* (Austin 1876: 35) Stephani (1897a: 842) ‘*Hillebrandii*’.
- Cololejeunea floccosa* (Lehm. et Lindenb. in Lehmann 1832: 26) [Stephani (1890c: 135)] **Schiffner (1898: 243)**.
- Cololejeunea hasskarliana* (Lehm. et Lindenb. in Lehmann 1844: 26) [Stephani (1890b: 72) ‘*Hasskarliana*’; Stephani (1890c: 135) ‘*Hasskarliana*’] **Schiffner (1898: 244)** ‘*Hasskarliana*’.
- Cololejeunea jooriana* (Austin 1875: 20) **Stephani (1892b: 171)**. Current name (Evans 1923):—*Cololejeunea cardiocarpa* (Montagne 1842: 476) Evans (1902: 172).
- Cololejeunea kegelii* [Stephani (1890b: 91); Stephani (1890c: 135)] **Stephani (1895a: 249)**.
- Cololejeunea lhotzskiana* (Hampe in Gottsche *et al.* 1845b: 389) [Stephani (1890b: 89); Stephani (1890c: 135)] **Schuster (1963a: 241)**. Current name (Thiers 1988):—*Myriocoleopsis minutissima* (Sm. in Smith & Sowerby 1806: tab. 1633) R.L.Zhu, Y.Yu et Pócs in Yu *et al.* (2014: 293).
- Cololejeunea marginata* (Lehm. et Lindenb. in Lehmann 1833: 11) [Stephani (1888c: 287); Stephani (1890b: 91); Stephani (1890c: 135)] **Pearson (1892: 9)**.
- Cololejeunea microscopica* (Taylor 1836: 59) [Stephani (1890b: 72); Stephani (1890c: 135)] **Schiffner (1893b: 122)**.

- Cololejeunea minutissima* (Sm. in Smith & Sowerby 1806: tab. 1633) [Stephani (1890b: 88); Stephani (1890c: 135)] **Stephani (1892b: 171)**. Current name:—*Myriocoleopsis minutissima* (Sm. in Smith & Sowerby 1806: tab. 1633) R.L.Zhu, Y.Yu et Pócs in Yu *et al.* (2014: 293).
- Cololejeunea montagnei* [Stephani (1890b: 96); Stephani (1890c: 135)]. Note:—The name seems never to have been validly published. Current name (Schuster 1980b):—*Cololejeunea camillii* (Lehmann 1857: 15) Evans (1912b: 59) ‘*Camilli*’.
- Cololejeunea myriocarpa* (Nees et Mont. in Montagne 1842: 473) [Stephani (1890b: 89); Stephani (1890c: 135)] **Massalongo (1906: 9)**. Current name:—*Myriocoleopsis minutissima* (Sm. in Smith & Sowerby 1806: tab. 1633) R.L.Zhu, Y.Yu et Pócs in Yu *et al.* (2014: 293) subsp. *myriocarpa* (Nees et Mont. in Montagne 1842: 473) R.L.Zhu, Y.Yu et Pócs in Yu *et al.* (2014: 294).
- Cololejeunea papilliloba* (Stephani 1890b: 73) [Stephani (1890c: 135)] **Stephani (1895a: 250)**.
- Cololejeunea parvula* (Wilson et Hook. in Wilson 1841: no. 172) **Stephani (1892b: 172)**. Current name (Evans 1902):—*Myriocoleopsis minutissima* (Sm. in Smith & Sowerby 1806: tab. 1633) R.L.Zhu, Y.Yu et Pócs in Yu *et al.* (2014: 293) subsp. *minutissima*.
- Cololejeunea pseudostipulata* [Schiffner (1890: 33)] Schiffn. ex **Sydow (1894: 246)**.
- Cololejeunea punctata* (Gottsche 1882: 361) **Pearson (1892: 9)**.
- Cololejeunea pyriformis* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 767) [Stephani (1890b: 89); Stephani (1890c: 135)]. Note:—The name seems never to have been validly published. Current name:—*Microlejeunea pyriformis* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 767) Stephani (1915: 824).
- Cololejeunea rossettiana* (Massalongo 1889: 487) **Schiffner (1893b: 122)**.
- Cololejeunea sicifolia* [Stephani (1888c: 290) ‘*sicaefolia*’] (Gottsche ex Evans 1911: 277) **Pócs & Bernecker (2009: 8)** ‘*sicaefolia*’.
- Cololejeunea sintenisii* [Stephani (1888c: 291)] (Stephani 1916: 861) Pócs in **Dauphin *et al.* (2008: 235)**.
- Cololejeunea stylosa* [Stephani (1888c: 289)] Steph. in **Evans (1900: 454)**.
- Cololejeunea trichomanis* (Gottsche 1882: 362) [Stephani (1889a: 168)] **Bescherelle (1892: 14)**.
- Cololejeunea venusta* (Sande Lacoste 1854) **Schiffner (1893b: 122)**. Current name (Tixier 1985):—*Cololejeunea haskarliana* (Lehm. et Lindenb. in Lehmann 1844: 26) Schiffner (1898: 244) ‘*Hasskarliana*’.
- Cololejeunea wrightii* [Stephani (1892b: 172); ICN Art. 38.1(a); no description]. Note:—The name seems never to have been validly published. Current name (Evans 1911):—*Myriocoleopsis minutissima* (Sm. in Smith & Sowerby 1806: tab. 1633) R.L.Zhu, Y.Yu et Pócs in Yu *et al.* (2014: 293) subsp. *myriocarpa* (Nees et Mont. in Montagne 1842: 473) R.L.Zhu, Y.Yu et Pócs in Yu *et al.* (2014: 294).
- Colurolejeunea acroloba* [Stephani (1890b: 97); Stephani (1890c: 135)] (Prantl 1890: xiv) **Schiffner (1900: 198)**. Current name:—*Colura acroloba* (Prantl 1890: xiv) Jovet-Ast (1953: 297).
- Colurolejeunea apiculata* [Schiffner (1890: 36)] **Schiffner (1900: 198)**. Current name:—*Colura apiculata* (Schiffner 1900: 198) Stephani (1916: 936).
- Colurolejeunea calyptrifolia* (Hooker 1813: tab. 43) [Schiffner (1890: 35); Stephani (1890b: 97); Stephani (1890c: 135)] **Schiffner (1893b: 121)**. Current name:—*Colura calyptrifolia* (Hooker 1813: tab. 43) Dumortier (1835: 12).
- Colurolejeunea ceratophora* (Nees in Gottsche *et al.* 1845b: 405) [Schiffner (1890: 35); Stephani (1890b: 97); Stephani (1890c: 135)]. Note:—The name seems never to have been validly published. Current name (Jovet-Ast 1953):—*Colura tenuicornis* (Evans 1900: 455) Stephani (1916: 942).
- Colurolejeunea clavigera* (Spruce 1884: 304) [Schiffner (1890: 36)]. Note:—The name seems never to have been validly published. Current name (Grolle & Zhu 2002):—*Macrocolura sagittistipula* (Spruce 1884: 304) Schuster (1994: 233).
- Colurolejeunea corynophora* (Nees, Lindenb. et Gottsche in Gottsche *et al.* 1843: 474) [Schiffner (1890: 35) ‘*corynophora*’]. Note:—The name seems never to have been validly published. Current name:—*Colura corynophora* (Gottsche *et al.* 1843: 474) Trevisan (1877: 402) ‘*corynophora*’.
- Colurolejeunea dusenii* **Stephani (1892c: 198)**. Current name:—*Colura dusenii* Stephani (1892c: 168).
- Colurolejeunea junghuhniana* [Stephani (1890b: 97); Stephani (1890c: 135)] (Prantl 1890: xvi) **Stephani (1896a: 74)**. Current name:—*Colura junghuhniana* (Prantl 1890: xvi) **Stephani (1916: 938)**.
- Colurolejeunea minor* [Schiffner (1890: 37)] Schiffn. ex **Sydow (1894: 246)**. Current name (Solari 1983):—*Colura naumannii* (Schiffner 1893b: 121) Stephani (1916: 935).
- Colurolejeunea naumannii* [Schiffner (1890: 36)] **Schiffner (1893b: 121)**. Current name:—*Colura naumannii* (Schiffner 1893b: 121) Stephani (1916: 935).
- Colurolejeunea obtusa* **Stephani (1891a: 208)**. Current name (Jovet-Ast 1953):—*Colura digitalis* (Mitten 1886: 325) Stephani (1916: 931).
- Colurolejeunea ornata* (Goebel 1890: 26) **Schiffner (1893b: 121)**. Current name:—*Colura ornata* Goebel (1890: 26).
- Colurolejeunea sagittistipula* (Spruce 1884: 304) [Schiffner (1890: 35)]. Note:—The name seems never to have been validly published. Current name:—*Macrocolura sagittistipula* (Spruce 1884: 304) Schuster (1994: 233).
- Colurolejeunea superba* (Montagne 1848: 115) [Schiffner (1890: 36)], **Stephani (1896b:309)** Current name:—*Colura superba* (Montagne 1848: 115) Stephani (1916: 941).

- Colurolejeunea tortifolia* (Nees et Mont. in Montagne 1843: 265) [Schiffner (1890: 35); Stephani (1890b: 98); Stephani (1890c: 135)].
Note:—The name seems never to have been validly published. Current name:—*Colura tortifolia* (Nees et Mont. in Montagne 1843: 265) Trevisan (1877: 402).
- Colurolejeunea zollingeri* [Schiffner (1890: 35)]. Note:—The name seems never to have been validly published and we do not know where to refer it.
- Crossotolejeunea boryana* (Montagne 1838: 47) [Stephani (1890b: 70); Stephani (1890c: 135)] **Schiffner (1893b: 127)**. Current name:—*Lejeunea boryana* Montagne (1838: 47).
- Crossotolejeunea crenata* (Nees et Mont. in Montagne 1838: 48) [Stephani (1890b: 70); Stephani (1890c: 135)] **Lacouture (1908: 109)**.
Current name:—*Xylolejeunea crenata* (Nees et Mont. in Montagne 1838: 48) He & Grolle (2001: 36).
- Crossotolejeunea inflexiloba* (Prantl 1892: xvi) **Stephani (1913: 239)**. Current name:—*Lejeunea inflexiloba* Prantl (1892: xvi).
- Crossotolejeunea intricata* (Prantl 1892: xvi) [Jack & Stephani (1892: 17)] **Stephani (1896a: 75)**. Current name:—*Lejeunea intricata* Prantl (1892: xvi).
- Dendrolejeunea vittata* (Mitten 1873: 411) [Schiffner (1890: 25); Schiffn. ex Sydow (1894: 246)]. Note:—The name seems never to have been validly published. Current name (Schiffner 1898):—*Thysananthus fruticosus* (Lindenb. et Gottsche in Gottsche et al. 1847: 737) Schiffner (1893b: 130).
- Dicranolejeunea aberrans* (Lindenb. et Gottsche in Gottsche et al. 1847: 751) [Stephani (1890c: 136)] **Stephani (1912b: 158)**. Current name:—*Acanthocoleus aberrans* (Lindenb. et Gottsche in Gottsche et al. 1847: 751) Kruijt (1988: 62).
- Dicranolejeunea axillaris* (Nees & Montagne 1836: 59) [Stephani (1890c: 136); Jack & Stephani (1892: 13); Stephani (1892e: 179)] **Schiffner (1893b: 128)**.
- Dicranolejeunea dubiosa* (Lindenb. et Gottsche in Gottsche et al. 1847: 752) [Stephani (1890c: 136); Jack & Stephani (1892: 13)] **Stephani (1912b: 157)**. Current name (Kruijt 1985):—*Dicranolejeunea axillaris* (Nees & Montagne 1836: 59) Schiffner (1893b: 128).
- Dicranolejeunea incongrua* (Lindenb. et Gottsche in Gottsche et al. 1847: 750) [Stephani (1890c: 136)] **Stephani (1912b: 160)**. Current name:—*Blepharolejeunea incongrua* (Lindenb. et Gottsche in Gottsche et al. 1847: 750) van Slageren et Kruijt (1985: 133).
- Dicranolejeunea mexicana* (Lindenb. in Gottsche et al. 1845a: 325) [Stephani (1890a: 13); Stephani (1890c: 136); Fulford (1956: 229) ‘maxicana’ ICN Art. 38.1(a); no description]. Note:—The name seems never to have been validly published. Current name (Stephani 1912b):—*Dicranolejeunea axillaris* (Nees & Montagne 1836: 59) Schiffner (1893b: 128).
- Dicranolejeunea phyllorhiza* (Nees 1833: 348) [Stephani (1890a: 7); Stephani (1890c: 136)] **Schiffner (1893b: 128)**. Current name:—*Brachiolejeunea phyllorhiza* (Nees 1833: 348) Kruijt & Gradstein (1986: 299).
- Dicranolejeunea trigona* (Nees & Montagne 1836: 61) [Stephani (1890c: 136)]. Note:—The name seems never to have been validly published. Current name:—*Acanthocoleus trigonus* (Nees & Montagne 1836: 61) Gradstein (1992a: 101).
- Diplasiolejeunea kraussiana* (Lindenb. in Gottsche et al. 1845b: 393) [Stephani (1890b: 91); Stephani (1890c: 136)] **Stephani (1916: 919)**.
- Diplasiolejeunea pellucida* (C.F.W.Meissn. ex Sprengel 1827: 325) [Stephani (1888c: 288); Stephani (1890b: 91); Stephani (1890c: 136); Stephani (1892e: 179)] **Schiffner (1893b: 121)**.
- Diplasiolejeunea unidentata* (Lehm. et Lindenb. in Lehmann 1834: 48) [Stephani (1890b: 90); Stephani (1890c: 136)] **Schiffner (1897: 583)**.
- Drepanolejeunea bidens* [Stephani (1890b: 71); Stephani (1890c: 136)] (Prantl 1890: xiv) **Evans (1903a: 29)**.
- Drepanolejeunea blumei* [Steph. ex Schiffner (1893a: 231) ICN Art. 38.1(a); no description; Steph. ex Schiffner (1893b: 126) ICN Art. 38.1(a); no description] **Stephani (1896a: 81)**.
- Drepanolejeunea capulata* (Taylor 1846: 394) [Stephani (1890b: 71); Stephani (1890c: 136)] **Jack & Stephani (1892: 13)**.
- Drepanolejeunea cristata* **Stephani (1891a: 209)**. Current name (Jones 1958):—*Drepanolejeunea cultrella* (Mitten 1863: 168) Stephani (1913: 324).
- Drepanolejeunea dactylophora* (Nees, Lindenb. et Gottsche in Gottsche et al. 1843: 473) **Jack & Stephani (1892: 12)**.
- Drepanolejeunea granatensis* [Jack & Stephani (1892: 13) ICN Art. 38.1(a); no description] (Prantl 1892: xvi) **Bischler (1964: 150)**.
- Drepanolejeunea grossidens* [Stephani (1889a: 168)] **Stephani (1913: 358)**.
- Drepanolejeunea hamatifolia* (Hooker 1813: tab. 51) [Stephani (1888c: 286); Stephani (1890b: 71); Stephani (1890c: 136)] **Schiffner (1893b: 126)** ‘hamatfolia’.
- Drepanolejeunea hampeana* [Stephani (1890b: 70); Stephani (1890c: 136)] **Stephani (1913: 345)**.
- Drepanolejeunea inchoata* (C.F.W.Meissn. in Lehmann 1833: 19) [Stephani (1888c: 287); Stephani (1890b: 70); Stephani (1890c: 136)] **Stephani (1892e: 179)**.
- Drepanolejeunea lancifolia* (Gottsche 1864: 155) **Jack & Stephani (1892: 13)**.
- Drepanolejeunea latitans* (Hooker & Taylor 1844a: 399) [Stephani (1890b: 72); Stephani (1890c: 136)] **Stephani (1913: 358)**. Current name:—*Microlejeunea latitans* (Hooker & Taylor 1844a: 399) Heinrichs, Schäf.-Verw., Pócs et S.Dong in Dong et al. (2013: 52).
- Drepanolejeunea lyratifolia* (Hook.f. et Taylor in Taylor 1846: 393) [Stephani (1890b: 71); Stephani (1890c: 136)]. Note:—The name seems never to have been validly published. Current name (Grolle 1979a):—*Diplasiolejeunea plicatiloba* (Hooker & Taylor 1845: 92) Grolle (1979a: 175).

Drepanolejeunea muricata (Gottsche in Gottsche *et al.* 1845b: 348) [Stephani (1890b: 74); Stephani (1890c: 136)] **Schiffner (1893b: 126)**. Current name:—*Dactylophorella muricata* (Gottsche in Gottsche *et al.* 1845b: 348) Schuster (1980b: 427).

Drepanolejeunea palmifolia (Nees 1833: 366) [Stephani (1890b: 74); Stephani (1890c: 136)] **Schiffner (1893b: 126)**.

Drepanolejeunea plicatiloba (Hooker & Taylor 1845: 92) [Stephani (1890b: 81); Stephani (1890c: 136)] **Stephani (1913: 359)**. Current name:—*Diplasiolejeunea plicatiloba* (Hooker & Taylor 1845: 92) Grolle (1979a: 175).

Drepanolejeunea securifolia (Gottsche 1882: 360) **Pearson (1892: 8)**. Current name (Grolle 1995):—*Drepanolejeunea physifolia* (Gottsche 1882: 357) Pearson (1892: 8) ‘*physaefolia*’.

Drepanolejeunea tenuis (Nees 1830: 57) [Stephani (1888c: 292); Stephani (1890b: 90); Stephani (1890c: 136)] **Jack & Stephani (1892: 12)**. Current name (Mizutani 1963):—*Drepanolejeunea angustifolia* (Mitten 1860b: 116) Grolle (1965: 206).

Drepanolejeunea ternatensis (Gottsche in Gottsche *et al.* 1845b: 346) [Stephani (1889a: 169); Stephani (1890b: 73); Stephani (1890c: 136)] **Schiffner (1893b: 126)**.

Drepanolejeunea teysmannii (Gottsche 1882: 360) [Stephani (1890b: 72); Stephani (1890c: 136)] **Stephani (1896a: 84)**.

Drepanolejeunea tridactyla (Gottsche in Gottsche *et al.* 1845b: 347) [Stephani (1890b: 73); Stephani (1890c: 136)] **Stephani (1913: 354)**.

Eulejeunea angusta (Lehm. et Lindenb. in Lehmann 1832: 52) **Stephani (1890b: 86)**. Current name:—*Lejeunea angusta* (Lehm. et Lindenb. in Lehmann 1832: 52) Montagne (1842: 469).

Eulejeunea armitii **Stephani (1889a: 169)**. Current name:—*Lejeunea armitii* Stephani (1889a: 169) Stephani (1915: 768).

Eulejeunea austinii (Lindberg 1875: 489) **Stephani (1892b: 171)**. Current name (Schuster 1980a):—*Cheilolejeunea rigidula* (Nees ex Montagne 1840: 336) Schuster (1971: 102).

Eulejeunea caroliniana (Austin 1876: 36) **Stephani (1892b: 171)**. Current name:—*Lejeunea caroliniana* Austin (1876: 36).

Eulejeunea caespitosa (Lindenb. in Gottsche *et al.* 1845b: 384) **Stephani (1890b: 86)**. Current name (Reiner-Drehwald & Schäfer-Verwimp 2008):—*Lejeunea capensis* Gottsche in Gottsche *et al.* (1845b: 374).

Eulejeunea capensis (Gottsche in Gottsche *et al.* 1845b: 374) **Stephani (1890b: 83)**. Current name:—*Lejeunea capensis* Gottsche in Gottsche *et al.* (1845b: 374).

Eulejeunea clavata (Lindenb. in Gottsche *et al.* 1845b: 379) **Stephani (1890b: 85)**. Current name:—*Lejeunea clavata* Lindenb. in Gottsche *et al.* (1845b: 379).

Eulejeunea concava (Lindenb. et Gottsche in Gottsche *et al.* 1847: 759) **Stephani (1890b: 78)**. Current name:—*Lejeunea concava* Lindenb. et Gottsche in Gottsche *et al.* (1847: 759).

Eulejeunea corallina **Stephani (1890b: 83)**. Current name (Mizutani 1972):—*Cheilolejeunea intertexta* (Lindenb. in Gottsche *et al.* 1845b: 379) Stephani (1897c: 79).

Eulejeunea crenulata **Schiffner (1890: 33)**. Current name (Hürlimann 1993):—*Lejeunea patersonii* (Stephani 1896a: 92) Stephani (1915: 784).

Eulejeunea cuculliloba [Stephani (1891a: 202) ICN Art. 38.1(a); no description; Prantl (1891: viii) ICN Art. 38.1(a); no description]. Note:—This is probably an error for *Eulejeunea saccatiloba*. Current name (Pócs 2010):—*Lejeunea anisophylla* Montagne (1843: 263).

Eulejeunea denticalyx **Stephani (1889a: 169)**. Current name:—*Lejeunea denticalyx* (Stephani 1889a: 169) Stephani (1915: 794).

Eulejeunea diversiloba (Spruce 1876b: 235) **Schiffner (1893b: 124)**. Current name:—*Microlejeunea diversiloba* (Spruce 1876b: 235) Müller (1915: 654).

Eulejeunea diversistipa (Lindenb. in Gottsche *et al.* 1847: 765) **Stephani (1890b: 85)**. Current name (Grolle & Reiner-Drehwald 1999):—*Lejeunea ambigua* Lindenb. et Gottsche in Gottsche *et al.* (1847: 764).

Eulejeunea drummondii (Taylor 1846: 400) **Stephani (1889a: 170)**. Current name:—*Lejeunea drummondii* Taylor (1846: 400).

Eulejeunea ecarinata **Stephani (1890d: 283)**. Current name:—*Lejeunea ecarinata* (Stephani 1890d: 283) Coulter *et al.* (1890: 349).

Eulejeunea eckloniana (Lindenb. in Gottsche *et al.* 1845b: 381) **Stephani (1890b: 86)** ‘*ecklonii*’. Current name:—*Lejeunea eckloniana* Lindenb. in Gottsche *et al.* (1845b: 381).

Eulejeunea flava (Swartz 1788: 144) **Stephani (1888b: 109)**. Current name:—*Lejeunea flava* (Swartz 1788: 144) Nees (1838: 277).

Eulejeunea glaucescens (Gottsche in Gottsche *et al.* 1845b: 378) **Stephani (1888c: 286)**. Current name:—*Lejeunea glaucescens* (Gottsche in Gottsche *et al.* 1845b: 378) Stephani (1888c: 286)..

Eulejeunea glaucophylla (Gottsche 1857: 345) **Stephani (1890b: 87)**. Current name (Evans 1908b):—*Lejeunea laetevirens* Nees et Mont. in Montagne (1842: 469) ‘*laete-virens*’.

Eulejeunea gottscheana (Lindenb. in Gottsche *et al.* 1845b: 382) **Stephani (1890b: 86)**. Current name:—*Lejeunea gottscheana* Lindenb. in Gottsche *et al.* (1845b: 382).

Eulejeunea haitica (Nees et Mont. in Montagne 1843: 263) **Stephani (1890b: 89)** ‘*haitensis*’. Current name:—*Lejeunea haitica* Nees et Mont. in Montagne (1843: 263).

Eulejeunea hepaticola **Stephani (1888a: 60)**. Current name:—*Lejeunea hepaticola* (Stephani 1888a: 60) Stephani (1915: 714).

- Eulejeunea huctumalcensis* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) **Stephani (1890b: 81)**. Current name:—*Otigoniolejeunea huctumalcensis* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) Wei et al. (2014: 237).
- Eulejeunea infestans* [Steph. ex Bescherele (1892: 13) ICN Art. 38.1(a); no description] **Stephani (1896a: 90)**. Current name (Lee 2013):—*Lejeunea papilionacea* Prantl (1892: xvii).
- Eulejeunea isomorpha* (Gottsche 1882: 355) **Stephani (1892a: 120)**. Current name (Jones 1968):—*Lejeunea flava* (Swartz 1788: 144) Nees (1838: 277) subsp. *tabularis* (Sprengel 1827: 325) Arnell (1963: 199).
- Eulejeunea laeta* (Lehm. et Lindenb. in Lehmann 1834: 45) **Stephani (1890b: 85)**. Current name:—*Lejeunea laeta* (Lehm. et Lindenb. in Lehmann 1834: 45) Lehm. et Lindenb. in Gottsche et al. (1845b: 380).
- Eulejeunea laetevirens* (Nees et Mont. in Montagne 1842: 469) **Stephani (1890b: 87)**. Current name:—*Lejeunea laetevirens* Nees et Mont. in Montagne (1842: 469) ‘*laete-virens*’.
- Eulejeunea laxa* (Nees 1830: 43) **Stephani (1890b: 85)**. Current name:—*Lejeunea laxa* (Nees 1830: 43) Lindenb. in Gottsche et al. (1845b: 378).
- Eulejeunea lepida* (Lindenb. et Gottsche in Gottsche et al. 1847: 766) **Stephani (1890b: 87)**. Current name (Reiner-Drehwald 2010a):—*Lejeunea laetevirens* Nees et Mont. in Montagne (1842: 469) ‘*laete-virens*’.
- Eulejeunea lucens* (Taylor 1846: 399) **Stephani (1890b: 84)**. Current name (Evans 1908b):—*Lejeunea laetevirens* Nees et Mont. in Montagne (1842: 469) ‘*laete-virens*’.
- Eulejeunea magnoliae* (Lindenb. et Gottsche in Gottsche et al. 1847: 763) **Stephani (1890b: 81)**. Current name (Reiner-Drehwald 2009):—*Lejeunea adpressa* Nees in von Flotow et al. (1842: 45).
- Eulejeunea muscicola* (Spruce 1884: 281) **Stephani (1888c: 300)**. Current name:—*Lejeunea muscicola* Spruce (1884: 281).
- Eulejeunea nudipes* (Hooker & Taylor 1844c: 568) **Stephani (1890b: 82)**. Current name:—*Nephelolejeunea nudipes* (Hooker & Taylor 1844c: 568) L.Söderstr. et A.Hagborg in Pócs et al. (2015: 66).
- Eulejeunea obtusata* (Gottsche 1882: 354) **Pearson (1892: 8)**. *Lejeunea obtusata* (Gottsche 1882: 354).
- Eulejeunea olivacea* **Stephani (1890b: 85)**. Current name:—*Lejeunea subolivacea* Mizutani (1965: 121).
- Eulejeunea pulvinata* (Nees & Montagne 1836: 61) **Stephani (1890b: 86)**. Current name:—*Lejeunea pulvinata* Nees & Montagne (1836: 61).
- Eulejeunea radicans* (Lindenb. et Gottsche in Gottsche et al. 1847: 766) **Stephani (1890b: 87)**. Current name:—*Lejeunea radicans* Lindenb. et Gottsche in Gottsche et al. (1847: 766).
- Eulejeunea remotifolia* Stephani (1890b: 86) ICN Art. 38.1(a); no description; Stephani (1890c: 137) ICN Art. 38.1(a); no description. Note:—The name seems never to have been validly published. Current name:—*Lejeunea remotifolia* Stephani (1915: 756).
- Eulejeunea rodriguezii* **Stephani (1888b: 108)**. Current name (Pócs 2011):—*Lejeunea anisophylla* Montagne (1843: 263).
- Eulejeunea saccatiloba* **Stephani (1891a: 207)**. Current name (Pócs 2010):—*Lejeunea anisophylla* Montagne (1843: 263).
- Eulejeunea seriata* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) **Stephani (1890b: 81)**. Current name:—*Lejeunea seriata* Lindenb. et Gottsche in Gottsche et al. (1847: 762).
- Eulejeunea serpyllifolia* (Libert 1820: 374) **Stephani (1890b: 83)**. Current name (Bonner & Miller 1960):—*Lejeunea cavifolia* (Ehrhart 1789: 45) Lindberg (1871: 43).
- Eulejeunea spiniloba* (Lindenb. et Gottsche in Gottsche et al. 1847: 770) **Stephani (1890b: 98)**. Current name:—*Lejeunea spiniloba* Lindenb. et Gottsche in Gottsche et al. (1847: 770).
- Eulejeunea subelobata* (Carrington & Pearson 1888: 1039) **Stephani (1889a: 170)**. Current name:—*Lejeunea subelobata* Carrington & Pearson (1888: 1039).
- Eulejeunea tabularis* (Sprengel 1827: 325) **Stephani (1890b: 83)**. Current name:—*Lejeunea flava* (Swartz 1788: 144) Nees (1838: 277) subsp. *tabularis* (Sprengel 1827: 325) Arnell (1963: 199).
- Eulejeunea ulicina* (Taylor 1844: 115) **Schiffner (1893b: 124)**. Current name:—*Microlejeunea ulicina* (Taylor 1844: 115) Stephani (1892b: 171).
- Eulejeunea underwoodii* **Stephani (1892b: 172)**. Current name (Schuster 1980a):—*Cheilolejeunea rigidula* (Nees ex Montagne 1840: 336) Schuster (1971: 102).
- Eulejeunea urbanii* **Stephani (1888c: 301)** ‘*Urbani*’. Current name:—*Lejeunea urbanii* (Stephani 1888c: 301) Stephani (1915: 766) ‘*Urbani*’.
- Eulejeunea vogelii* (Taylor 1846: 397) **Stephani (1890b: 98)**. Current name (Pócs 2010):—*Lejeunea anisophylla* Montagne (1843: 263).
- Eulejeunea vulgariformis* (Gottsche 1882: 355) **Pearson (1892: 9)**. Current name:—*Lejeunea vulgariformis* Gottsche (1882: 355).
- Eulejeunea wallichiana* (Lehmann 1831: 5) **Stephani (1890b: 78)**. Current name:—*Microlejeunea wallichiana* (Lehmann 1831: 5) R.L.Zhu et Y.M.Wei in Wei & Zhu (2013: 308).
- Eulejeunea wightii* (Lindenb. in Gottsche et al. 1845b: 379) **Stephani (1890b: 85)**. Current name:—*Lejeunea wightii* Lindenb. in Gottsche et al. (1845b: 379).
- Eulejeunea wilmsii* **Stephani (1892a: 124)**. Current name (Jones 1974):—*Lejeunea eckloniana* Lindenb. in Gottsche et al. (1845b: 381).

Eulejeunea zacuapana **Stephani (1890b: 87)**. Current name:—*Lejeunea zacuapana* (Stephani 1890b: 87) Prantl (1890: xviii).

Euosmolejeunea beyrichii (Lindenb. in Gottsche *et al.* 1845b: 371) **Stephani (1890b: 82)**. Current name:—*Cheilolejeunea beyrichii* (Lindenb. in Gottsche *et al.* 1845b: 371) Reiner-Drehwald (2006: 474).

Euosmolejeunea brachytoma (Gottsche 1882: 355) **Pearson (1892: 8)**. Current name (Grolle 1978):—*Cheilolejeunea trifaria* (Reinwardt *et al.* 1824: 226) Mizutani (1964: 132).

Euosmolejeunea contigua (Nees 1833: 360) **Stephani (1890b: 78)**. Current name:—*Pycnolejeunea contigua* (Nees 1833: 360) Grolle (1979a: 179).

Euosmolejeunea duriuscula (Nees in Gottsche *et al.* 1845b: 364) **Stephani (1890b: 80)**. Current name (Gradstein 1989):—*Cheilolejeunea rigidula* (Nees ex Montagne 1840: 336) Schuster (1971: 102).

Euosmolejeunea implexicaulis (Hooker & Taylor 1844a: 397) **Stephani (1890b: 84)**. Current name:—*Cheilolejeunea implexicaulis* (Hooker & Taylor 1844a: 397) Schuster (1963a: 245).

Euosmolejeunea lindenbergi (Gottsche in Gottsche *et al.* 1845b: 336) **Stephani (1890c: 137)**. Current name:—*Cheilolejeunea lindenbergi* (Gottsche in Gottsche *et al.* 1845b: 336) Mizutani (1970: 226).

Euosmolejeunea lutea (Mont. ex Gottsche *et al.* 1845b: 383) **Stephani (1890b: 86)**. Current name (Evans 1908b):—*Cheilolejeunea clausa* (Nees et Mont. in Montagne 1840: 337) Schuster (1980a: 863).

Euosmolejeunea montagnei (Montagne 1843: 261) **Stephani (1890c: 137)**. Current name:—*Cheilolejeunea montagnei* (Montagne 1843: 261) Schuster (1963a: 112).

Euosmolejeunea opaca (Gottsche in Gottsche *et al.* 1845b: 352) **Stephani (1890b: 79)**. Current name (Evans 1908b):—*Cheilolejeunea clausa* (Nees et Mont. in Montagne 1840: 337) Schuster (1980a: 863).

Euosmolejeunea orientalis (Gottsche in Gottsche *et al.* 1845b: 371) **Stephani (1890b: 82)**. Current name:—*Cheilolejeunea orientalis* (Gottsche in Gottsche *et al.* 1845b: 371) Mizutani (1972: 399).

Euosmolejeunea parvistipula (Lindenb. et Gottsche in Gottsche *et al.* 1847: 761) **Stephani (1890b: 80)**. Note:—The name has never been used in *Cheilolejeunea* and we do not know where to refer it.

Euosmolejeunea sayeri **Stephani (1889a: 170)**. Current name (Grolle 1979b):—*Cheilolejeunea trifaria* (Reinwardt *et al.* 1824: 226) Mizutani (1964: 132).

Euosmolejeunea tenella (Taylor 1846: 398) **Stephani (1890b: 87)**. Current name:—*Lejeunea tenella* Taylor (1846: 398).

Euosmolejeunea trifaria (Reinwardt *et al.* 1824: 226) [Stephani (1888c: 292)] **Schiffner (1890: 31)**. Current name:—*Cheilolejeunea trifaria* (Reinwardt *et al.* 1824: 226) Mizutani (1964: 132).

Harpalejeunea ancistrodes (Spruce 1884: 169) **Schiffner (1893b: 127)** ‘*ancystrodes*’.

Harpalejeunea cinchonae (Nees in Gottsche *et al.* 1845b: 342) [Stephani (1890b: 70); Stephani (1890c: 138); Jack & Stephani (1892: 13)] **Schiffner (1893b: 127)**.

Harpalejeunea decurvicuspis (Bescherelle & Massalongo 1886: 639) [Schiffner (1890: 29)] Schiffn. ex **Sydow (1894: 246)**.

Harpalejeunea granatensis [Jack & Stephani (1892: 17)] (Prantl 1892: xvi) **Stephani (1913: 251)**. Current name:—*Drepanolejeunea granatensis* (Prantl 1892: xvi) Bischler (1964: 150).

Harpalejeunea holostipa (Spruce 1884: 171) **Schiffner (1893b: 127)**. Current name:—*Cheilolejeunea holostipa* (Spruce 1884: 171) Grolle et R.L.Zhu in Grolle *et al.* (2001: 1071).

Harpalejeunea massalongoana [Schiffner (1890: 29)] Schiffn. ex **Sydow (1894: 246)**. Current name:—*Lejeunea massalongoana* (Schiffn. ex Sydow 1894: 246) Solari (1983: 542).

Harpalejeunea ovata (Hooker 1813: tab. 42) [Stephani (1890b: 84); Stephani (1890c: 138)] **Schiffner (1893b: 127)**. Current name (Grolle 1989):—*Harpalejeunea molleri* (Stephani 1887: 3) Grolle (1989: 89).

Harpalejeunea oxyphylla (Nees et Mont. in Montagne 1843: 264) [Stephani (1890b: 76); Stephani (1890c: 138)] **Stephani (1913: 255)**.

Harpalejeunea parasitica (Hooker & Taylor 1844b: 477) [Stephani (1890b: 85); Stephani (1890c: 138)] **Stephani (1913: 268)**.

Harpalejeunea patentissima (Hampe & Gottsche 1853: 355) [Stephani (1888c: 288)] **Steph. in Schiffner (1897: 591)**. Current name:—*Ceratolejeunea patentissima* (Hampe & Gottsche 1853: 355) Evans (1905b: 286).

Harpalejeunea savatieriana (Bescherelle & Massalongo 1886: 638) [Schiffner (1890: 29)] Schiffn. ex **Sydow (1894: 246)**. Current name (Solari 1983):—*Cheilolejeunea obruncata* (Montagne 1845b: 354) Solari (1983: 539).

Harpalejeunea solitaria (Gottsche 1882: 356) [Pearson (1892: 7)] **Stephani (1913: 246)**.

Harpalejeunea stricta (Lindenb. et Gottsche in Gottsche *et al.* 1847: 756) [Stephani (1888c: 291); Stephani (1890b: 70); Stephani (1890c: 138)] **Stephani (1913: 259)**.

Harpalejeunea subfenestrata (Massalongo 1885: 249) [Schiffner (1890: 28)] Schiffn. ex **Sydow (1894: 246)**. Current name (Solari 1983):—*Harpalejeunea parasitica* (Hooker & Taylor 1844b: 477) Stephani (1913: 268).

Harpalejeunea tenuicuspis (Spruce 1884: 170) **Schiffner (1893b: 127)**.

Harpalejeunea tuberculata [Jack & Stephani (1892: 18)] (Prantl 1892: xvi) **Stephani (1913: 261)**. Current name (Grolle & Reiner-Drehwald 1999):—*Harpalejeunea cinchonae* (Nees in Gottsche *et al.* 1845b: 342) Schiffner (1893b: 127).

- Homalolejeunea acutiloba* (Hooker & Taylor 1845: 90) **Stephani (1890c: 138)**. Current name (Geissler & Gradstein 1994):—*Marchesinia brachiata* (Swartz 1788: 144) Schiffner (1893b: 128).
- Homalolejeunea brachiata* (Swartz 1788: 144) [Stephani (1890a: 14), ICN Art. 41.1; basionym not valid] **Stephani (1890c: 138)**. Current name:—*Marchesinia brachiata* (Swartz 1788: 144) Schiffner (1893b: 128).
- Homalolejeunea excavata* (Mitten 1860a: 58) **Stephani (1891a: 202)**. Current name:—*Marchesinia excavata* (Mitten 1860a: 58) Schiffner (1893b: 128).
- Homalolejeunea fuscescens* (Hampe in Lehmann 1838: 16) **Stephani (1890c: 138)**. Current name (Gradstein & Buskes 1985):—*Archilejeunea juliformis* (Nees 1833: 351) Gradstein (1975: 127).
- Homalolejeunea guilleminiana* (Nees et Mont. in Montagne 1841: 128) [Stephani (1890a: 14), ICN Art. 41.1; basionym not valid]. Note:—The name seems never to have been validly published. Current name (Geissler & Gradstein 1994):—*Marchesinia brachiata* (Swartz 1788: 144) Schiffner (1893b: 128).
- Homalolejeunea henriquesii* **Stephani (1888b: 112)**. Current name (Stephani 1896a):—*Marchesinia excavata* (Mitten 1860a: 58) Schiffner (1893b: 128).
- Homalolejeunea languida* (Nees & Montagne 1836: 59) **Stephani (1890c: 138)**. Current name:—*Marchesinia languida* (Nees & Montagne 1836: 59) Stephani (1912b: 149).
- Homalolejeunea mackaii* (Hooker 1813: tab. 53) **Stephani (1890c: 138)** ‘*mackayi*’. Current name:—*Marchesinia mackaii* (Hooker 1813: tab. 53) Gray (1821: 689).
- Hygrolejeunea alata* (Gottsche in Gottsche et al. 1845b: 406) [Stephani (1890b: 98); Stephani (1890c: 138)] **Stephani (1914: 521)**. Current name:—*Lejeunea alata* Gottsche in Gottsche et al. (1845b: 406).
- Hygrolejeunea amboinensis* [Schiffner (1890: 31)] Schiffn. ex **Sydow (1894: 246)**. Current name (Mizutani 1970):—*Lejeunea sordida* (Nees 1830: 41) Nees (1838: 278).
- Hygrolejeunea cerina* (Lehm. et Lindenb. in Lehmann 1833: 16) [Stephani (1888c: 284); Stephani (1890b: 90); Stephani (1890c: 138)] **Schiffner (1893b: 125)**. Current name:—*Lejeunea cerina* (Lehm. et Lindenb. in Lehmann 1833: 16) Lehm. et Lindenb. in Gottsche et al. (1845b: 391).
- Hygrolejeunea chalmersii* [Stephani (1889a: 171)] **Stephani (1914: 558)**. Current name (Grolle 1979a):—*Lejeunea microloba* Taylor (1846: 399).
- Hygrolejeunea cordifissa* (Taylor 1846: 395) [Stephani (1890b: 80); Stephani (1890c: 138)] **Stephani (1914: 544)**. Current name:—*Lepidolejeunea cordifissa* (Taylor 1846: 395) Reiner-Drehwald (2006: 478).
- Hygrolejeunea delessertii* (Nees et Mont. in Montagne 1843: 260) [Stephani (1890b: 74); Stephani (1890c: 138)]. Note:—The name seems never to have been validly published. Current name:—*Lepidolejeunea delessertii* (Nees et Mont. in Montagne 1843: 260) Grolle (1984: 505).
- Hygrolejeunea densistipula* (Lehm. et Lindenb. in Lehmann 1838: 20) [Stephani (1890b: 81); Stephani (1890c: 138)]. Note:—The name seems never to have been validly published. Current name:—*Pycnolejeunea densistipula* (Lehm. et Lindenb. in Lehmann 1838: 20) Stephani (1914: 602).
- Hygrolejeunea deplanata* (Nees in Gottsche et al. 1845b: 368) [Stephani (1890b: 81); Stephani (1890c: 138)] **Stephani (1914: 534)**. Current name:—*Lejeunea deplanata* Nees in Gottsche et al. (1845b: 368).
- Hygrolejeunea discreta* (Lindenb. in Gottsche et al. 1845b: 361) [Stephani (1890b: 78); Stephani (1890c: 138)] **Schiffner (1898: 266)**. Current name:—*Lejeunea discreta* Lindenb. in Gottsche et al. (1845b: 361).
- Hygrolejeunea eluta* (Nees 1833: 362) [Stephani (1890b: 78); Stephani (1890c: 138)] **Massalongo (1911: 11)**. Current name:—*Lepidolejeunea eluta* (Nees 1833: 362) Schuster (1963b: 139).
- Hygrolejeunea heterocheila* (Taylor 1846: 394) [Stephani (1890b: 95); Stephani (1890c: 138)]. Note:—The name seems never to have been validly published. Current name:—*Lejeunea heterocheila* Taylor (1846: 394).
- Hygrolejeunea latistipula* [Schiffner (1890: 30)] Schiffn. ex **Sydow (1894: 246)**. Current name:—*Phaeolejeunea latistipula* (Schiffn. ex Sydow 1894: 246) Mizutani (1968: 131).
- Hygrolejeunea leucophylla* (Lindenb. in Gottsche et al. 1845b: 369) [Stephani (1890b: 81); Stephani (1890c: 138)] **Stephani (1914: 537)**. Current name (Reiner-Drehwald 2010b):—*Lejeunea deplanata* Nees in Gottsche et al. (1845b: 368) var. *deplanata*.
- Hygrolejeunea lyratiflora* [Stephani (1892c: 169)] (Prantl 1892: xvi) **Stephani (1914: 524)**. Current name:—*Lejeunea lyratiflora* Prantl (1892: xvi).
- Hygrolejeunea microloba* (Taylor 1846: 399) [Stephani (1890b: 85); Stephani (1890c: 138)] **Stephani (1907: 294)**. Current name:—*Lejeunea microloba* Taylor (1846: 399).
- Hygrolejeunea norfolkensis* [Stephani (1889a: 171)] **Stephani (1914: 573)** ‘*norfolkiensis*’. Current name (Renner 2013):—*Lejeunea gracilipes* (Taylor 1846: 385) Spruce (1884: 213).
- Hygrolejeunea orba* (Gottsche in Gottsche et al. 1845b: 352) [Stephani (1890b: 95); Stephani (1890c: 138)] **Stephani (1914: 547)**. Current name (Reiner-Drehwald 2006):—*Lepidolejeunea involuta* (Gottsche in Gottsche et al. 1845b: 350) Grolle (1984: 504).

- Hygrolejeunea pallida* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) [Stephani (1890b: 81); Stephani (1890c: 138)] **Stephani (1914: 538)**. Current name:—*Lejeunea pallida* Lindenb. et Gottsche in Gottsche et al. (1847: 762).
- Hygrolejeunea papilionacea* [Stephani (1892c: 169)] (Prantl 1892: xvii) **Stephani (1914: 525)**. Current name:—*Lejeunea papilionacea* Prantl (1892: xvii).
- Hygrolejeunea phyllobola* (Nees et Mont. in Montagne 1842: 471) [Stephani (1890b: 81); Stephani (1890c: 138); Stephani (1892e: 179)] **Massalongo (1897: 33)**. Current name:—*Lejeunea phyllobola* Nees et Mont. in Montagne (1842: 471).
- Hygrolejeunea pterota* (Hooker & Taylor 1845: 91) [Stephani (1890b: 81); Stephani (1890c: 138)] **Stephani (1914: 527)**. Current name (Grolle 1988):—*Cheilolejeunea ascensionis* (Hooker & Taylor 1845: 91) Grolle (1988: 45).
- Hygrolejeunea pulcherrima* (Stephani 1886: 87) [Stephani (1891a: 202)] **Bescherelle (1893b: 60)**. Current name (Vanden Berghen 1961):—*Lejeunea acuta* Mitten (1863: 167).
- Hygrolejeunea reflexistipula* (Lehm. et Lindenb. in Lehmann 1833: 10) [Stephani (1890c: 138); Jack & Stephani (1892: 13)] **Schiffner (1893b: 125)**. Current name:—*Lejeunea reflexistipula* (Lehm. et Lindenb. in Lehmann 1833: 10) Lehm. et Lindenb. in Gottsche et al. (1845b: 335).
- Hygrolejeunea rostrata* [Stephani (1889a: 172)] **Stephani (1896a: 104)**. Current name (Renner 2013):—*Lejeunea lumbricoides* (Nees 1830: 40) Nees in Gottsche et al. (1845b: 342).
- Hygrolejeunea sacculifera* [Stephani (1889a: 172)] **Stephani (1914: 574)**. Current name (Grolle 1981):—*Lejeunea sordida* (Nees 1830: 41) Nees (1838: 278).
- Hygrolejeunea sayeri* [Stephani (1889a: 173)] **Stephani (1914: 575)**. Current name (Piippo 1986):—*Lepidolejeunea bidentula* (Steph. in Jack & Stephani 1894: 107) Schuster (1980b: 425).
- Hygrolejeunea sordida* (Nees 1830: 41) [Stephani (1890b: 80); Stephani (1890c: 138)] **Schiffner (1893b: 125)**. Current name:—*Lejeunea sordida* (Nees 1830: 41) Nees (1838: 278).
- Hygrolejeunea spongia* (Spruce 1876a: 132) **Schiffner (1893b: 125)**. Current name (Reiner-Drehwald 2006):—*Lepidolejeunea sullivantii* (Gottsche 1863: 196) Reiner-Drehwald (2006: 479).
- Hygrolejeunea umbilicata* (Nees 1830: 42) [Stephani (1890c: 138)] **Schiffner (1893b: 125)**. Current name:—*Lejeunea umbilicata* (Nees 1830: 42) Nees in Gottsche et al. (1843: 472).
- Lejeunea acroloba* **Prantl (1890: xiv)**. Current name:—*Colura acroloba* (Prantl 1890: xiv) Jovet-Ast (1953: 297).
- Lejeunea amazonica* **Prantl (1890: xiv)**, *nom. illeg.* (ICN Art. 53.1; non Spruce 1884: 106). Current name (Dauphin 2003):—*Ceratolejeunea cubensis* (Montagne 1842: 481) Schiffner (1893b: 125).
- Lejeunea apiculata* (Gottsche 1864: 149) **Prantl (1892: xvii)** *nom. illeg.* (ICN Art. 53.1; non Sande Lacoste 1854: 421). Current name:—*Taxilejeunea apiculata* (Gottsche 1864: 149) Jack & Stephani (1892: 13).
- Lejeunea bidens* **Prantl 1890: xiv**. Current name:—*Drepanolejeunea bidens* (Prantl 1890: xiv) Evans (1903a: 29).
- Lejeunea cardotii* (Stephani 1892b: 72) **Coulter et al. (1892: 431)** ‘*cardoti*’. Current name (Reiner-Drehwald 1994):—*Microlejeunea globosa* (Spruce 1889: exciii) Stephani (1915: 821).
- Lejeunea cristata* (Stephani 1891a: 210) **Prantl (1891: ix)**. Current name (Jones 1958):—*Drepanolejeunea cultrella* (Mitten 1863: 168) Stephani (1913: 324).
- Lejeunea cuneifolia* (Stephani 1892c: 166) **Prantl (1892: xvi)**. Current name:—*Cololejeunea cuneifolia* Stephani (1892c: 166).
- Lejeunea dusenii* (Stephani 1891a: 209) **Prantl (1891: ix)**. Current name (Jones 1967):—*Lejeunea ramosissima* Stephani (1886: 88).
- Lejeunea dusenii* (Stephani 1892c: 168) **Prantl (1892: xvi)**, *nom. illeg.* (ICN Art. 53.1; non Prantl 1891: ix). Current name:—*Colura dusenii* Stephani (1892c: 168).
- Lejeunea ecarinata* (Stephani 1890d: 283) **Coulter et al. (1890: 349)**.
- Lejeunea elegans* (Stephani 1891a: 208) **Prantl (1891: ix)**, *nom. illeg.* (ICN Art. 53.1; non Gottsche in Gottsche et al. 1845b: 364). Current name:—*Cololejeunea elegans* Stephani (1891a: 208).
- Lejeunea epiphyta* (Stephani 1891a: 206) **Prantl (1891: ix)**, *nom. illeg.* (ICN Art. 53.1; non Gottsche in Gottsche et al. 1845b: 391). Current name (Jones 1967):—*Lejeunea conformis* Nees et Mont. in Montagne (1843: 260).
- Lejeunea fallax-vellongicornis* [Stephani (1890b: 96) ICN Art. 38.1(a); no description]. Note:—The name seems never to have been validly published and Stephani (1890b) also placed it in synonymy. Current name (Stephani 1890b):—*Ceratolejeunea cornuta* (Lindenberg 1829: 23) Stephani (1895b: 65).
- Lejeunea filicaulis* (Stephani 1892c: 168) **Prantl (1892: xvi)**. Current name (Tixier 1985):—*Cololejeunea hildebrandii* (Austin 1876: 35) Stephani (1897a: 842) ‘*Hillebrandii*’.
- Lejeunea gottschei* (Jack & Stephani 1892: 20) **Prantl (1892: xvii)**. Current name:—*Thysananthus gottschei* (Jack & Stephani 1892: 20) Stephani (1912a: 787).
- Lejeunea granatensis* **Prantl (1892: xvi)**. Current name:—*Drepanolejeunea granatensis* (Prantl 1892: xvi) Bischler (1964: 150).
- Lejeunea grandiloba* (Jack & Stephani 1892: 16) **Prantl (1892: xvi)**. Current name:—*Ceratolejeunea grandiloba* Jack & Stephani (1892: 16).

- Lejeunea hampeana* Prantl (1890: xvi), *nom. illeg.* (ICN Art. 53.1; non Lindenb. in Gottsche *et al.* 1845b: 360). Current name:—*Drepanolejeunea hampeana* Stephani (1913: 345).
- Lejeunea inflexiloba* Prantl (1892: xvi).
- Lejeunea intricata* Prantl (1892: xvi).
- Lejeunea jackii* Prantl (1892: xvii). Current name:—*Omphalanthus jackii* (Prantl 1892: xvii) Gradst. in Gradstein *et al.* (1977: 410).
- Lejeunea junghuhniana* Prantl (1890: xvi). Current name:—*Colura junghuhniana* (Prantl 1890: xvi) Stephani (1916: 938).
- Lejeunea kegelii* Prantl (1890: xvi), *nom. illeg.* (ICN Art. 53.1; non Lindenberg & Gottsche 1851: 635). Current name:—*Cololejeunea kegelii* Stephani (1895a: 249).
- Lejeunea kindbergii* Prantl (1892: xvii). Current name (Grolle 1978):—*Prionolejeunea grata* (Gottsche 1882: 359) Schiffner (1893b: 127).
- Lejeunea kurzii* (Stephani 1890d: 284) Coulter *et al.* (1890: 349). Current name (Kitagawa 1981):—*Cheilolejeunea intertexta* (Lindenb. in Gottsche *et al.* 1845b: 379) Stephani (1897c: 79).
- Lejeunea laevicalyx* Prantl (1892: xvii), *nom. illeg.* (ICN Art. 53.1; non Gottsche 1863: 221). Current name:—*Cheilolejeunea laevicalyx* (J.B.Jack *et* Steph. in Stephani 1913: 283) Grolle (1988: 403).
- Lejeunea lyratiflora* Prantl (1892: xvi).
- Lejeunea mascarena* Coulter *et al.* (1890: 349). Current name (Grolle 1978):—*Ceratolejeunea belangeriana* (Gottsche in Gottsche *et al.* 1845b: 398) Stephani (1913: 396).
- Lejeunea mauritiana* Coulter *et al.* (1890: 349). Current name (Grolle 1995):—*Ceratolejeunea belangeriana* (Gottsche in Gottsche *et al.* 1845b: 398) Stephani (1913: 396).
- Lejeunea microstipula* (Stephani 1890b: 89) Prantl (1890: xvi). Current name (Pócs *et al.* 2011):—*Lejeunea exilis* (Reinwardt *et al.* 1824: 227) Grolle (1979b: 353).
- Lejeunea miradorensis* Prantl (1890: xvi). Current name (Dauphin 2003):—*Ceratolejeunea cornuta* (Lindenberg 1829: 23) Stephani (1895b: 65).
- Lejeunea montagnei* Prantl (1890: xvi), *nom. illeg.* (ICN Art. 53.1; non Montagne 1843: 261). Current name (Schuster 1980b):—*Cololejeunea camillii* (Lehmann 1857: 15) Evans (1912b: 59) ‘Camilli’.
- Lejeunea multilacera* (Stephani 1890d: 285) Coulter *et al.* (1890: 349). Current name:—*Lopholejeunea multilacera* Stephani (1890d: 285).
- Lejeunea nigra* (Stephani 1891a: 206) Prantl (1891: ix). Current name:—*Mastigolejeunea nigra* Stephani (1891a: 206).
- Lejeunea obtusa* (Stephani 1891a: 208) Prantl (1891: ix). Current name (Jovet-Ast 1953):—*Colura digitalis* (Mitten 1886: 325) Stephani (1916: 931).
- Lejeunea papilionacea* Prantl (1892: xvii).
- Lejeunea papilliloba* Stephani (1890b: 73). Current name:—*Cololejeunea papilliloba* Stephani (1890b: 73) Stephani (1895a: 250).
- Lejeunea parviloba* (Stephani 1890d: 286) Coulter *et al.* (1890: 349), *nom. illeg.* [ICN Art. 53.1; non Ångström (1877: 87)]. Current name:—*Schiffneriolejeunea parviloba* (Stephani 1890d: 286) Gradstein (1974: 335).
- Lejeunea plagiochiloides* Stephani (1889b: 257). Current name (van Slageren 1985):—*Spruceanthus semirepandus* (Nees 1830: 39) Verdoorn (1934b: 153).
- Lejeunea poeppigiana* (Nees in Gottsche *et al.* 1845b: 396) Stephani (1890b: 92). Current name (Dauphin 2003):—*Ceratolejeunea ceratantha* (Nees *et* Mont. in Montagne 1840: 335) Schiffner (1897: 582).
- Lejeunea pyriformis* Stephani (1890b: 93), *nom. illeg.* [ICN Art. 53.1; non Lindenb. *et* Gottsche in Gottsche *et al.* (1847: 767)]. Current name (Dauphin 2003):—*Ceratolejeunea cubensis* (Montagne 1842: 481) Schiffner (1893b: 125).
- Lejeunea quintasii* (Stephani 1889b: 270) Prantl (1891: ix). Current name (Tixier 1995):—*Leptolejeunea epiphylla* (Mitten 1860b: 118) Stephani (1913: 380).
- Lejeunea renauldii* Coulter *et al.* (1890: 349). Current name (Grolle 1977):—*Lejeunea alata* Gottsche in Gottsche *et al.* (1845b: 406).
- Lejeunea saccatiloba* (Stephani 1891a: 207) Prantl (1891: ix). Current name (Pócs 2010):—*Lejeunea anisophylla* Montagne (1843: 263).
- Lejeunea sandvicensis* Prantl (1890: xvii). Current name:—*Cheilolejeunea sandvicensis* (Prantl 1890: xvii) Stephani (1897a: 842).
- Lejeunea schwaneckeii* Stephani (1888c: 290). Current name:—*Pycnolejeunea schwaneckeii* (Stephani 1888c: 290) Stephani (1914: 606).
- Lejeunea stricta* Prantl (1890: xvii) *nom. illeg.* (ICN Art. 53.1; non Lindenb. *et* Gottsche in Gottsche *et al.* 1875: 756). Current name:—*Microlejeunea diversiloba* (Spruce 1876a: 235) Müller (1915: 654).
- Lejeunea taitica* (Gottsche 1864: 147) Prantl (1890: xvii). Current name (Mizutani 1986):—*Mastigolejeunea virens* (Ångström 1873: 131) Stephani (1912a: 776).
- Lejeunea truncatiloba* (Stephani 1892c: 170) Prantl (1892: xvii). Current name (Grolle 1976a):—*Leptolejeunea maculata* (Mitten 1860b: 118) Schiffner (1898: 275).

- Lejeunea tuberculata* Prantl (1892: xvi). Current name (Grolle & Reiner-Drehwald 1999):—*Harpalejeunea cinchonae* (Nees in Gottsche et al. 1845b: 342) Schiffner (1893b: 127).
- Lejeunea turgida* (Stephani 1892c: 170) Prantl (1892: xvii) *nom. illeg.* (ICN Art. 53.1; non Mitten 1860b: 110). Current name:—*Mastigolejeunea turgida* Stephani (1892c: 170).
- Lejeunea underwoodii* (Stephani 1892b: 172) Coulter et al. (1892: 431). Current name (Schuster 1980a: 171):—*Cheilelejeunea rigidula* (Nees ex Montagne 1840: 336) Schuster (1971: 102).
- Lejeunea wallisii* Prantl (1892: xvii). Current name:—*Omphalanthus filiformis* (Swartz 1788: 144) Nees in Gottsche et al. (1845a: 304) var. *wallisii* (Prantl 1892: xvii) Gradstein (2013b: 46).
- Lejeunea wilmsii* (Stephani 1892a: 124) Prantl (1892: xvi). Current name (Jones 1974):—*Lejeunea eckloniana* Lindenb. in Gottsche et al. (1845b: 381).
- Lejeunea zacuapana* (Stephani 1890b: 87) Prantl (1890: xviii).
- Leptolejeunea australis* [Stephani (1889a: 173)] Stephani (1913: 389).
- Leptolejeunea corynophora* (Gottsche et al. 1843: 474) [Stephani (1890b: 97) ‘*corynophora*’; Stephani (1890c: 138) ‘*corynophora*’] Schiffner (1893b: 126) ‘*corynophora*’. Current name:—*Colura corynophora* (Gottsche et al. 1843: 474) Trevisan (1877: 402) ‘*corynophora*’.
- Leptolejeunea denticulata* [Stephani (1889a: 174); Stephani (1890b: 70); Stephani (1890c: 138)] Stephani (1913: 389).
- Leptolejeunea elliptica* (Lehm. et Lindenb. in Lehmann 1833: 13) [Stephani (1888c: 285); Stephani (1890b: 96); Stephani (1890c: 138)] Bescherelle (1892: 14).
- Leptolejeunea neesii* (Mont. in Nees & Montagne 1836: 62) [Stephani (1890b: 74); Stephani (1890c: 138)] Stephani (1913: 372). Current name:—*Siphonolejeunea neesii* (Mont. in Nees & Montagne 1836: 62) Bischler (1969: 338).
- Leptolejeunea polyrhiza* (Nees in Gottsche et al. 1845b: 403) [Stephani (1890b: 96); Stephani (1890c: 138)] Schiffner (1898: 275). Current name:—*Drepanolejeunea polyrhiza* (Nees in Gottsche et al. 1845b: 403) Grolle & Zhu (2000: 392).
- Leptolejeunea quintasii* Stephani (1891b: 270). Current name (Tixier 1995):—*Leptolejeunea epiphylla* (Mitten 1860b: 118) Stephani (1913: 380).
- Leptolejeunea rosulans* [Stephani (1889a: 174)] Stephani (1913: 390).
- Leptolejeunea spicata* [Bescherelle (1892: 14)] Stephani (1896a: 108). Current name:—*Drepanolejeunea spicata* (Stephani 1896a: 108) Grolle & Zhu (2000: 384).
- Leptolejeunea stenophylla* (Lindenb. et Gottsche in Gottsche et al. 1847: 769) [Stephani (1890b: 96); Stephani (1890c: 138)] Schiffner (1893b: 117). Current name (Bischler 1967):—*Drepanolejeunea orthophylla* (Nees et Mont. in Montagne 1843: 265) Bischler (1967: 102).
- Leptolejeunea trematodes* (Nees in Nees & Montagne 1836: 62) [Stephani (1890b: 74); Stephani (1890c: 138)] Stephani (1913: 376). Current name:—*Drepanolejeunea trematodes* (Nees in Nees & Montagne 1836: 62) Bischler (1967: 125).
- Leptolejeunea truncatiloba* Stephani (1892c: 170). Current name (Grolle 1976a):—*Leptolejeunea maculata* (Mitten 1860b: 118) Schiffner (1898: 275).
- Leptolejeunea vitrea* (Nees 1830: 56) [Stephani (1890b: 96); Stephani (1890c: 138)] Schiffner (1893b: 126).
- Lopholejeunea applanata* (Reinwardt et al. 1824: 210) [Stephani (1890c: 139) ‘*adplanata*’] Schiffner (1893b: 129).
- Lopholejeunea eulopha* (Taylor 1846: 391) [Schiffner (1890: 28); Stephani (1890c: 139)] Schiffner (1893b: 129).
- Lopholejeunea fimbriata* (Gottsche 1880: 64) [Schiffner (1890: 28)] Pearson (1892: 5). Current name (Verdoorn 1934b):—*Lopholejeunea eulopha* (Taylor 1846: 391) Schiffner (1893b: 129).
- Lopholejeunea harpaphylla* (Spruce 1884: 123) Pearson (1892: 7). Current name (Stephani 1912b):—*Caudalejeunea lehmanniana* (Gottsche in Gottsche et al. 1845b: 325) Evans (1907b: 554).
- Lopholejeunea javanica* (Nees in Gottsche et al. 1845b: 320) [Stephani (1890c: 139)] Schiffner (1893b: 129). Current name (Gradstein et al. 2002):—*Lopholejeunea nigricans* (Lindenb. in Gottsche et al. 1845b: 316) Schiffner (1898: 293).
- Lopholejeunea lepidoscypha* Kiaer et Pearson in Pearson (1892: 5).
- Lopholejeunea muelleriana* (Gottsche 1863: 184) [Stephani (1890c: 139)] Schiffner (1897: 599). Current name (Zhu & Gradstein 2005):—*Lopholejeunea nigricans* (Lindenb. in Gottsche et al. 1845b: 316) Schiffner (1898: 293).
- Lopholejeunea multilacera* Stephani (1890d: 285).
- Lopholejeunea nigricans* (Lindenb. in Gottsche et al. 1845a: 316) [Stephani (1890a: 16); Stephani (1890c: 139)] Schiffner (1898: 293).
- Lopholejeunea norfolkensis* [Stephani (1889a: 175)] Stephani (1912b: 96) ‘*Norfolkensis*’. Current name (Thiers & Gradstein 1989):—*Lopholejeunea eulopha* (Taylor 1846: 391) Schiffner (1893b: 129).
- Lopholejeunea plicatiscypha* (Taylor 1846: 386) [Stephani (1890c: 139)] Stephani (1912b: 96).
- Lopholejeunea rusbyi* (Spruce 1890: 122) Pearson (1892: 6). Current name (Gradstein 1994):—*Lopholejeunea nigricans* (Lindenb. in Gottsche et al. 1845b: 316) Schiffner (1898: 293).
- Lopholejeunea sagrana* (Montagne 1842: 464) [Schiffner (1890: 27) ‘*sagraeana*’; Stephani (1890c: 139) ‘*sagraeana*’] Stephani (1891a: 202) ‘*sagraeana*’. Current name (Verdoorn 1934a):—*Lopholejeunea subfusca* (Nees 1830: 36) Schiffner (1897: 593).

- Lopholejeunea sphaerophora* (Lehm. et Lindenb. in Lehmann 1833) [Stephani (1890c: 139)] **Stephani (1912b: 68)**.
- Lopholejeunea zollingeri* [Stephani (1890a: 14); Stephani (1890c: 139)] **Schiffner (1898: 296)**.
- Macrolejeunea pallescens* (Mitten 1851: 360) **Schiffner (1893b: 125)**. Current name:—*Lejeunea pallescens* Mitten (1851: 360).
- Macrolejeunea subsimplex* (Mont. et Nees in Montagne 1843: 264) [Stephani (1888c: 292, 301); Stephani (1890b: 90); Stephani (1890c: 139)] **Schiffner (1893b: 125)**. Current name (Grolle 1987):—*Lejeunea cerina* (Lehm. et Lindenb. in Lehmann 1833: 16) Lehm. et Lindenb. in Gottsche *et al.* (1845b: 391).
- Mastigolejeunea amboinensis* [Schiffner (1890: 22); Schiffn. ex Sydow (1894: 245), ICN Art. 36.1(a); not accepted by author]. Note:—The name seems never to have been validly published. Current name (Stephani 1912a):—*Thysananthus spathulistipus* (Reinwardt *et al.* 1824: 212) Lindenb. in Gottsche *et al.* (1845a: 287).
- Mastigolejeunea anguiformis* (Hooker & Taylor 1844c: 567) [Stephani (1889b: 257)] **Thiers & Gradstein (1989: 75)**. Current name:—*Thysananthus anguiformis* (Hooker & Taylor 1844c: 567) Taylor ex Gottsche *et al.* (1845a: 289).
- Mastigolejeunea arcuata* (Nees 1830: 38) [Stephani (1890c: 139)] **Schiffner (1894: 183)**. Current name:—*Acrolejeunea arcuata* (Nees 1830: 38) Grolle *et Gradst.* in Gradstein (1974: 332).
- Mastigolejeunea atypos* [Schiffner (1890: 22)] Schiffn. ex **Sydow (1894: 246)**. Current name (Grolle & Piippo 1984):—*Mastigolejeunea repleta* (Taylor 1846: 392) Evans (1902: 131).
- Mastigolejeunea auriculata* (Wilson 1841: no. 170) [Stephani (1890c: 139)] **Stephani (1892b: 171)**.
- Mastigolejeunea buettneri* [Stephani (1888b: 110) ‘Büttneri’; Stephani (1889b: 257)] **Schiffner (1893b: 129)** ‘Büttneri’. Current name (Sukharak & Gradstein 2014):—*Mastigolejeunea humilis* (Gottsche in Gottsche *et al.* 1845a: 239) Schiffner (1893b: 129).
- Mastigolejeunea convoluta* (Lindenb. in Gottsche *et al.* 1845a: 288) [Schiffner (1890: 21)] Schiffn. ex **Sydow (1894: 245)**. Current name:—*Thysananthus convolutus* Lindenb. in Gottsche *et al.* (1845a: 288).
- Mastigolejeunea crispula* [Stephani (1888b: 111); Stephani (1889b: 257); Stephani (1892e: 180) ICN Art. 41.1; basionym not valid] **Stephani (1912a: 759)**. Current name (Vanden Berghen 1949, Gradstein & Inoue 1980):—*Mastigolejeunea auriculata* (Wilson 1841: no. 170) Stephani (1892b: 171).
- Mastigolejeunea frauenfeldii* (Reichardt 1866: 958) [Stephani (1890c: 139)] **Verdoorn (1934a: 230)**.
- Mastigolejeunea humilis* (Gottsche in Gottsche *et al.* 1845a: 239) [Stephani (1890c: 139)] **Schiffner (1893b: 129)**.
- Mastigolejeunea innovans* (Spruce 1884: 103) [Stephani (1889b: 258)] **Stephani (1912a: 765)**.
- Mastigolejeunea ligulata* (Lehm. et Lindenb. in Lehmann 1834: 39) [Stephani (1890a: 8); Stephani (1890c: 139)] **Schiffner (1893b: 129)**.
- Mastigolejeunea longidens* [Stephani (1889b: 258) also ICN Art. 38.1(a); no description]. Note:—The name seems never to have been validly published and we do not know where to refer it.
- Mastigolejeunea minuta* [Schiffner (1890: 23)] Schiffn. ex **Sydow (1894: 246)**. Current name (Grolle & Piippo 1984):—*Mastigolejeunea humilis* (Gottsche in Gottsche *et al.* 1845a: 239) Schiffner (1893b: 129).
- Mastigolejeunea nigra* [Stephani (1889b: 258)] **Stephani (1891a: 206)**.
- Mastigolejeunea novo-hibernica* [Schiffner (1890: 23); Schiffn. ex Sydow (1894: 246) ICN Art. 36.1(a); not accepted by author] **Stephani (1912b: 770)**. Current name (Grolle & Piippo 1984):—*Mastigolejeunea ligulata* (Lehm. et Lindenb. in Lehmann 1834: 39) Schiffner (1893b: 129).
- Mastigolejeunea phaea* [Gottsche ex Stephani (1889b: 257)] Steph. ex **Schiffner (1893b: 129)**. Current name (Thiers & Gradstein 1989):—*Spruceanthus thozetianus* (Gottsche et F. Muell. in Gottsche 1880: 63) Thiers & Gradstein (1989: 62).
- Mastigolejeunea plicatiflora* (Spruce 1884: 104) [Stephani (1889b: 258)] **Stephani (1912a: 766)**.
- Mastigolejeunea repleta* (Taylor 1846: 392) [Stephani (1890c: 139)] **Evans (1902: 131)**.
- Mastigolejeunea taitica* (Gottsche 1864: 147) [Stephani (1890c: 139)] **Jack & Stephani (1894: 104)**. Current name (Mizutani 1986):—*Mastigolejeunea virens* (Ångström 1873: 131) Stephani (1912a: 776).
- Mastigolejeunea turgida* **Stephani (1892c: 170)**.
- Mastigolejeunea versicolor* (Lehm. et Lindenb. in Gottsche *et al.* 1845a: 297) [Stephani (1890a: 8)]. Note:—The name seems never to have been validly published. Current name (Schuster 1980a):—*Mastigolejeunea auriculata* (Wilson 1841: no. 170) Stephani (1892b: 171).
- Microlejeunea africana* **Stephani (1888a: 61)**.
- Microlejeunea albicans* (Nees in Gottsche *et al.* 1845b: 386) **Stephani (1890b: 88)**. Current name (Miller *et al.* 1962):—*Metalejeunea cucullata* (Reinwardt *et al.* 1824: 227) Grolle (1995: 100).
- Microlejeunea albovirens* (Hooker & Taylor 1844a: 397) **Stephani (1890b: 88)** ‘albo-virens’. Current name:—*Cheilolejeunea albovirens* (Hooker & Taylor 1844a: 397) Hodgson (1962: 127).
- Microlejeunea bullata* (Taylor 1846: 398) **Stephani (1890b: 90)**.
- Microlejeunea byssoides* (Gottsche 1882: 358) **Pearson (1892: 9)**.
- Microlejeunea cardotii* **Stephani (1892d: 172)** ‘Cardoti’. Current name (Reiner-Drehwald 1994):—*Microlejeunea globosa* (Spruce 1889: cxciii) Stephani (1915: 821).

- Microlejeunea cochlearifolia* **Stephani (1888b: 113)**.
- Microlejeunea erectifolia* (Spruce 1887: 36) **Stephani (1889b: 259)**. Current name (Grolle 1995):—*Metalejeunea cucullata* (Reinwardt et al. 1824: 227) Grolle (1995: 100).
- Microlejeunea gracillima* (Mitten 1860b: 115) **Stephani (1890c: 139)**. Current name (Hattori 1966):—*Microlejeunea punctiformis* (Taylor 1846: 398) Stephani (1915: 832).
- Microlejeunea lucens* (Taylor 1846: 399) **Stephani (1892b: 171)**. Current name (Evans 1908b):—*Lejeunea laetevirens* Nees et Mont. in Montagne (1842: 469) ‘laete-virens’.
- Microlejeunea microstipula* **Stephani (1890b: 89)**. Current name (Pócs et al. 2011):—*Lejeunea exilis* (Reinwardt et al. 1824: 227) Grolle (1979b: 353).
- Microlejeunea oblongistipula* (Gottsche 1882) **Pearson (1892: 9)**.
- Microlejeunea ovifolia* **Stephani (1888c: 287)**. Current name (Bischler et al. 1961):—*Microlejeunea bullata* (Taylor 1846: 398) Stephani (1890b: 90).
- Microlejeunea papulosa* (Gottsche 1882: 358) **Pearson (1892: 9)**.
- Microlejeunea parallela* **Schiffner (1890: 33)**. Current name (Miller et al. 1962):—*Metalejeunea cucullata* (Reinwardt et al. 1824: 227) Grolle (1995: 100).
- Microlejeunea primordialis* (Hooker & Taylor 1845: 92) **Stephani (1890b: 84)**. Current name:—*Lejeunea primordialis* (Hooker & Taylor 1845: 92) Gottsche et al. (1845b: 375).
- Microlejeunea punctiformis* (Taylor 1846: 398) **Stephani (1890b: 90)**.
- Microlejeunea stricta* **Stephani (1890b: 90)**. Current name:—*Microlejeunea diversiloba* (Spruce 1876b: 235) Müller (1915: 654).
- Microlejeunea ulicina* (Taylor 1844: 115) **Stephani (1890b: 88)**.
- Neurolejeunea catenulata* (Nees in Gottsche et al. 1845b: 323) [Stephani (1892b: 171)] **Schiffner (1893b: 131)**.
- Neurolejeunea portoricensis* (Hampe & Gottsche 1853: 352) [Stephani (1888c: 288)] **Schiffner (1893b: 131)**. Current name:—*Otigoniolejeunea portoricensis* (Hampe & Gottsche 1853: 352) Wei et al. (2014: 237).
- Neurolejeunea seminervis* (Spruce 1884: 84) **Schiffner (1893b: 131)**.
- Odontolejeunea accedens* (Gottsche in Gottsche et al. 1845b: 339) [Stephani (1888c: 281); Stephani (1890b: 69); Stephani (1890c: 139)]. Note:—The name seems never to have been validly published. Current name:—*Cyclolejeunea accedens* (Gottsche in Gottsche et al. 1845b: 339) Evans (1904: 201).
- Odontolejeunea berteroaana* [Stephani (1888c: 282)]. Note:—The name seems never to have been validly published. Current name (see below):—*Rectolejeunea versifolia* (Schiffner 1897: 597) L.Söderstr. et A.Hagborg, *comb. nov.*
- Odontolejeunea convexistipa* (Lehm. et Lindenb. in Lehmann 1834: 43) [Stephani (1888c: 284); Stephani (1890a: 20); Stephani (1890c: 139)]. **Schiffner (1897: 583)**. Current name:—*Cyclolejeunea convexistipa* (Lehm. et Lindenb. in Lehmann 1834: 43) Evans (1904: 198).
- Odontolejeunea lunulata* (Weber 1815: 33) [Stephani (1888c: 287); Stephani (1890b: 98); Stephani (1890c: 139)] **Schiffner (1893b: 128)**.
- Odontolejeunea peruviana* (Lehm. et Lindenb. in Lehmann 1833: 18) [Stephani (1890a: 19); Stephani (1890b: 69); Stephani (1890c: 139)] **Schiffner (1893b: 128)**. Current name:—*Cyclolejeunea peruviana* (Lehm. et Lindenb. in Lehmann 1833: 18) Evans (1904: 196).
- Odontolejeunea sagittistipula* [Stephani (1890a: 19); Stephani (1890c: 140)]. Note:—The name seems never to have been validly published. Current name (Teeuwen 1989):—*Odontolejeunea rhomalea* (Spruce 1884: 147) Stephani (1912b: 176).
- Odontolejeunea sieberiana* (Gottsche in Gottsche et al. 1845b: 328) [Stephani (1890c: 140); Stephani (1892e: 180)] **Schiffner (1893b: 127)**. Current name (Vanden Berghen 1952):—*Odontolejeunea lunulata* (Weber 1815: 33) Schiffner (1893b: 128).
- Omphalolejeunea filiformis* (Swartz 1788: 144) [Stephani (1888c: 285); Stephani (1890c: 140); Pearson (1892: 4); Stephani (1892e: 180)] **Lacouture (1908: 105)**. Current name:—*Omphalanthus filiformis* (Swartz 1788: 144) Nees in Gottsche et al. (1845a: 304).
- Otigoniolejeunea schizotis* (Spruce 1884: 227) **Schiffner (1893b: 125)**. Current name (Reiner-Drehwald & Ilkiu-Borges 2007):—*Otigoniolejeunea huctumalcensis* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) Wei et al. (2014: 237).
- Otigoniolejeunea xiphotis* (Spruce 1884: 227) **Schiffner (1893b: 125)**. Current name (Reiner-Drehwald & Ilkiu-Borges 2007):—*Otigoniolejeunea huctumalcensis* (Lindenb. et Gottsche in Gottsche et al. 1847: 762) Wei et al. (2014: 237).
- Peltolejeunea jackii* [Steph. in Jack & Stephani (1892: 18)] (Prantl 1892: xvii) **Schiffner (1893b: 131)**. Current name:—*Omphalanthus jackii* (Prantl 1892: xvii) Gradst. in Gradstein et al. (1977: 410).
- Peltolejeunea osculatiana* (De Notaris 1855: 233) **Schiffner (1893b: 131)**. Current name:—*Lejeunea osculatiana* De Notaris (1855: 233).
- Peltolejeunea ovalis* (Lindenb. et Gottsche in Gottsche et al. 1847: 754) [Stephani (1890c: 140); Jack & Stephani (1892: 13)] **Schiffner (1893b: 131)**. Current name:—*Omphalanthus ovalis* (Lindenb. et Gottsche in Gottsche et al. 1847: 754) Gradst. in Gradstein et al. (1977: 411).
- Peltolejeunea pulcherrima* (Stephani 1886: 87) **Schiffner (1893b: 131)**. Current name (Vanden Berghen 1963):—*Lejeunea acuta* Mitten

(1863: 167).

- Peltolejeunea wallisii* [Jack & Stephani (1892: 19)] (Prantl 1892: xvii) **Schiffner (1893b: 131)**. Current name:—*Omphalanthus filiformis* (Swartz 1788: 144) Nees in Gottsche *et al.* (1845a: 304) var. *wallisii* (Prantl 1892: xvii) Gradstein (2013b: 46).
- Phragmolejeunea polymorpha* (Sande Lacoste 1854: 420) Schiffner [(1890: 25)]. Note:—The name seems never to have been validly published. Current name:—*Spruceanthus polymorphus* (Sande Lacoste 1854: 420) Verdoorn (1934b: 155).
- Platylejeunea baccifera* (Taylor 1846: 387) [Stephani (1890c: 140)] Steph. ex **Evans (1900: 417)**. Current name (Gradstein & van Beek 1985):—*Symbiezidium transversale* (Swartz 1788: 144) Trevisan (1877: 403) var. *transversale*.
- Platylejeunea barbiflora* (Lindenb. & Gottsche 1851: 630) [Stephani (1888c: 282); Stephani (1890c: 140)] **Schiffner (1897: 595)**. Current name:—*Symbiezidium barbiflorum* (Lindenb. & Gottsche 1851: 630) Evans (1907b: 540).
- Platylejeunea conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) [Stephani (1888c: 284)]. Note:—The name seems never to have been validly published. Current name:—*Anoplolejeunea conferta* (C.F.W.Meissn. ex Sprengel 1827: 325) Evans (1908a: 175).
- Platylejeunea granulata* (Nees 1833: 352) [Stephani (1888c: 285); Stephani (1890c: 140)]. **Schiffner (1897: 583)**. Current name (Gradstein & van Beek 1985):—*Symbiezidium transversale* (Swartz 1788: 144) Trevisan (1877: 403) var. *transversale*.
- Platylejeunea hobsoniana* (Lindenb. in Gottsche *et al.* 1845b: 313) [Stephani (1890c: 140)] **Schiffner (1893b: 131)**. Current name (Gradstein & van Beek 1985):—*Symbiezidium transversale* (Swartz 1788: 144) Trevisan (1877: 403) var. *transversale*.
- Platylejeunea setosa* [Stephani (1890a: 14); Stephani (1890c: 140)]. Note:—The name seems never to have been validly published. Current name (Gradstein & van Beek 1985):—*Symbiezidium barbiflorum* (Lindenb. & Gottsche 1851: 630) Evans (1907b: 540).
- Platylejeunea subrotunda* (Hook. in Kunth 1822: 41) [Stephani (1890c: 140)]. **Schiffner (1897: 596)**. Current name (Uribe & Gradstein 1998):—*Symbiezidium transversale* (Swartz 1788: 144) Trevisan (1877: 403).
- Platylejeunea transversalis* (Swartz 1788: 144) [Stephani (1888c: 292, 301); Stephani (1890c: 140)] **Schiffner (1893b: 131)**. Current name:—*Symbiezidium transversale* (Swartz 1788: 144) Trevisan (1877: 403).
- Platylejeunea vincentina* (Gottsche in Gottsche *et al.* 1845b: 313) [Stephani (1888c: 293); Stephani (1890c: 140)] **Schiffner (1893b: 131)**. Current name (Gradstein & van Beek 1985):—*Symbiezidium transversale* (Swartz 1788: 144) Trevisan (1877: 403) var. *hookerianum* (Gottsche *et al.* 1845b: 311) Gradstein & van Beek (1985: 237).
- Prionolejeunea aemula* (Gottsche in Gottsche *et al.* 1845b: 338) [Stephani (1890b: 69); Stephani (1890c: 140)] **Evans (1904: 219)**.
- Prionolejeunea angulistipa* [Stephani (1890b: 69); Stephani (1890c: 140)] **Stephani (1896a: 118)**. Current name (Ilkiu-Borges 2006):—*Prionolejeunea denticulata* (Weber 1815: 30) Schiffner (1893b: 127).
- Prionolejeunea decora* (Taylor 1846: 393) [Stephani (1890b: 69); Stephani (1890c: 140)] **Stephani (1913: 207)**.
- Prionolejeunea denticulata* (Weber 1815: 30) [Stephani (1888c: 285); Stephani (1890b: 68); Stephani (1890c: 140); Stephani (1892c: 171)] **Schiffner (1893b: 127)**.
- Prionolejeunea deplanata* **Schiffner (1893b: 127)**. Current name (Grolle 1978):—*Prionolejeunea grata* (Gottsche 1882: 359) Schiffner (1893b: 127).
- Prionolejeunea fabroniifolia* (Spruce 1884: 154) [Jack & Stephani (1892: 13) ‘*fabroniaefolia*’] **Schiffner (1893b: 127)** ‘*fabroniaefolia*’. Current name (Schultze-Motel & Menzel 1987):—*Prionolejeunea schlimiana* (Gottsche 1864: 154) Stephani (1913: 214).
- Prionolejeunea grata* (Gottsche 1882) [Pearson (1892: 7)] **Schiffner (1893b: 127)**.
- Prionolejeunea guadalupensis* (Lindenb. in Gottsche *et al.* 1845b: 340) [Stephani (1890b: 70); Stephani (1890c: 140)] **Stephani (1913: 211)**.
- Prionolejeunea kindbergii* [Stephani 1892c: 171] (Prantl. 1892: xvii) **Schiffner (1893b: 127)**. Current name (Grolle 1978):—*Prionolejeunea grata* (Gottsche 1882: 359) Schiffner (1893b: 127).
- Prionolejeunea meissneri* (Gottsche in Gottsche *et al.* 1845b: 340) [Stephani (1890b: 69); Stephani (1890c: 140)] **Stephani (1913: 212)**.
- Prionolejeunea microdonta* (Gottsche in Gottsche *et al.* 1845b: 337) [Stephani (1890b: 69); Stephani (1890c: 140)] **Stephani (1897a: 842)**. Current name (Ilkiu-Borges 2006):—*Prionolejeunea denticulata* (Weber 1815: 30) Schiffner (1893b: 127).
- Prionolejeunea rutenbergiana* (Gottsche 1882: 358) [Pearson (1892: 7) ‘*rutenbergii*’] **Stephani (1913: 201)**. Current name (Grolle 1978):—*Prionolejeunea grata* (Gottsche 1882: 359) Schiffner (1893b: 127).
- Prionolejeunea serrulata* (Montagne 1842: 479) [Stephani (1890b: 69); Stephani (1890c: 140)] **Stephani (1913: 224)**. Current name (Ilkiu-Borges 2006):—*Prionolejeunea denticulata* (Weber 1815: 30) Schiffner (1893b: 127).
- Ptycholejeunea birmensis* [Stephani (1889b: 258)] **Stephani (1896a: 120)**. Current name (Mizutani 1961):—*Ptychanthus striatus* (Lehm. et Lindenb. in Lehmann 1832: 16) Nees (1838: 212).
- Ptycholejeunea javanica* (Nees in Gottsche *et al.* 1845a: 291) [Stephani (1890c: 140)]. Note:—The name seems never to have been validly published. Current name (Verdoorn 1933):—*Ptychanthus striatus* (Lehm. et Lindenb. in Lehmann 1832: 16) Nees (1838: 212).
- Ptycholejeunea perrotetii* [Stephani (1889b: 259) ICN Art. 38.1(a); no description; Stephani (1890a: 5); Stephani (1890c: 140)] **Stephani (1896a: 121)**. Current name (Mizutani 1961):—*Ptychanthus striatus* (Lehm. et Lindenb. in Lehmann 1832: 16) Nees (1838: 212).
- Ptycholejeunea pycnoclada* (Taylor 1846: 385) [Stephani (1890c: 140)]. Note:—The name seems never to have been validly published. Current name:—*Acrolejeunea pycnoclada* (Taylor 1846: 385) Schiffner (1893b: 128).

- Ptycholejeunea pyriformis* [Stephani (1889b: 259) ICN Art. 38.1(a); no description; Bescherelle (1892: 14) ‘*pyriformis*’ ICN Art. 38.1(a); no description] **Stephani (1896a: 122)**. Current name (Awasthi & Srivastava 1987):—*Ptychanthus striatus* (Lehm. et Lindenb. in Lehmann 1832: 16) Nees (1838: 212).
- Ptycholejeunea recondita* [Stephani (1889b: 259) ICN Art. 38.1(a); no description] **Stephani (1896a: 122)**. Current name:—*Mastigolejeunea recondita* (Stephani 1896a: 122) Mizutani (1969: 134).
- Ptycholejeunea retusa* (Reinwardt *et al.* 1824: 214) [Stephani (1890c: 140)]. Note:—The name seems never to have been validly published. Current name:—*Thysananthus retusus* (Reinwardt *et al.* 1824: 214) Thiers & Gradstein (1989: 67).
- Ptycholejeunea semirepanda* (Nees 1830: 39) [Stephani (1890c: 140)]. Note:—The name seems never to have been validly published. Current name:—*Spruceanthus semirepandus* (Nees 1830: 39) **Verdoorn (1934b: 153)**.
- Ptycholejeunea stephensoniana* (Mitten 1852: 155) [Stephani (1889b: 258)]. Note:—The name seems never to have been validly published. Current name:—*Ptychanthus stephensonianus* (Mitten 1852: 155) Stephani (1912a: 754).
- Ptycholejeunea striata* (Lehm. et Lindenb. in Lehmann 1832: 16) [Stephani (1890c: 140); Stephani (1891a: 203); Steph. *ex* Prantl (1891: xiii); Stephani (1892a: 120); Pearson (1892: 4)] **Stephani (1895b: 65)**. Current name:—*Ptychanthus striatus* (Lehm. et Lindenb. in Lehmann 1832: 16) Nees (1838: 212).
- Ptycholejeunea sulcata* (Nees 1830: 36) [Stephani (1890c: 140)]. Note:—The name seems never to have been validly published. Current name:—*Spruceanthus sulcatus* (Nees 1830: 36) Gradstein (1985: 26).
- Ptycholejeunea theobromae* (Spruce 1884: 99) [Stephani (1889b: 259)]. Note:—The name seems never to have been validly published. Current name:—*Spruceanthus theobromae* (Spruce 1884: 99) Gradstein (1985: 26).
- Ptycholejeunea wightii* (Gottsche in Gottsche *et al.* 1845a: 291) [Stephani (1890c: 140)]. Note:—The name seems never to have been validly published. Current name (Mizutani 1961):—*Ptychanthus striatus* (Lehm. et Lindenb. in Lehmann 1832: 16) Nees (1838: 212).
- Pycnolejeunea adnata* (Kunze ex Lehmann 1834: 46) [Stephani (1890b: 81); Stephani (1890c: 140)] **Stephani (1914: 612)**. Current name:—*Cheilolejeunea adnata* (Kunze ex Lehmann 1834: 46) Grolle (1977: 529).
- Pycnolejeunea bidentula* [Stephani (1889b: 259)] Steph. in **Jack & Stephani (1894: 107)**. Current name:—*Lepidolejeunea bidentula* (Steph. in Jack & Stephani 1894: 107) Schuster (1980b: 425).
- Pycnolejeunea callosa* (Gottsche in Gottsche *et al.* 1845b: 359) [Stephani (1890b: 77); Stephani (1890c: 140)] **Stephani (1914: 609)**. Current name (He 1999):—*Pycnolejeunea macroloba* (Nees *et* Mont. in Montagne 1843: 260) Schiffner (1893b: 124).
- Pycnolejeunea ceylanica* (Gottsche in Gottsche *et al.* 1845a: 259) [Stephani (1889b: 259); Stephani (1890b: 77); Stephani (1890c: 140)] **Schiffner (1893b: 124)**. Current name:—*Cheilolejeunea ceylanica* (Gottsche in Gottsche *et al.* 1845a: 259) R.M.Schust. *et* Kachroo in Kachroo & Schuster (1961: 509).
- Pycnolejeunea connivens* [Schiffner (1890: 32)] Schiffn. *ex* **Sydow (1894: 246)**.
- Pycnolejeunea curvatiloba* [Stephani (1889b: 260)] **Stephani (1914: 635)**. Current name (Thiers 1992):—*Cheilolejeunea trapezia* (Nees 1830: 41) Kachroo & Schuster (1961: 509).
- Pycnolejeunea densiuscula* [Stephani (1890b: 86) ICN Art. 38.1(a); no description; Stephani (1890c: 141) ICN Art. 38.1(a); no description] **Stephani (1914: 613)**. Current name (Grolle 1979a):—*Pycnolejeunea contigua* (Nees 1833: 360) Grolle (1979a: 179).
- Pycnolejeunea discoidea* (Lehm. et Lindenb. in Lehmann 1834: 47) [Stephani (1890b: 86); Stephani (1890c: 141)] **Stephani (1914: 612)**. Current name:—*Cheilolejeunea discoidea* (Lehm. et Lindenb. in Lehmann 1834: 47) R.M.Schust. *et* Kachroo in Kachroo & Schuster (1961: 509).
- Pycnolejeunea hyalina* [Stephani (1890b: 77); Stephani (1890c: 141)] **Stephani (1914: 614)**. Current name (see below):—*Lejeunea hyalina* (Stephani 1914: 614) L.Söderstr. *et* A.Hagborg, *comb. nov.*
- Pycnolejeunea imbricata* (Nees 1830: 42) [Stephani (1890b: 77); Stephani (1890c: 141)] **Schiffner (1893b: 124)**. Current name (Zhu & Grolle 2004):—*Cheilolejeunea trapezia* (Nees 1830: 41) Kachroo & Schuster (1961: 509).
- Pycnolejeunea incisa* (Gottsche in Gottsche *et al.* 1845b: 360) [Stephani (1890b: 77); Stephani (1890c: 141)] **Schiffner (1898: 259)**. Current name:—*Cheilolejeunea incisa* (Gottsche in Gottsche *et al.* 1845b: 360) R.M.Schust. *et* Kachroo in Kachroo & Schuster (1961: 509).
- Pycnolejeunea longidens* [Stephani (1889b: 260)] **Stephani (1914: 634)**. Current name:—*Cheilolejeunea longidens* (Stephani 1914: 634) R.M.Schust. *et* Kachroo in Kachroo & Schuster (1961: 509).
- Pycnolejeunea macroloba* (Nees *et* Mont. in Montagne 1843: 260) [Stephani (1888c: 290); Stephani (1890a: 10); Stephani (1890b: 77); Stephani (1890c: 141)] **Schiffner (1893b: 124)**.
- Pycnolejeunea meyeniana* (Gottsche *et al.* 1843: 472) [Stephani (1890a: 11) also ICN Art. 41.1; basionym not valid; Stephani (1890b: 77); Stephani (1890c: 141); Bescherelle (1892: 14)] **Stephani (1914: 628)**. Current name:—*Cheilolejeunea meyeniana* (Gottsche *et al.* 1843: 472) R.M.Schust. *et* Kachroo in Kachroo & Schuster (1961: 509).
- Pycnolejeunea schwaneckeii* [Stephani (1888c: 289); Schiffner (1890: 32)] Schiffn. *ex* **Sydow (1894: 246)**.
- Pycnolejeunea silvestris* (Gottsche 1882: 354) [Pearson (1892: 8)] **Stephani (1914: 601)**. Current name (Jones 1976):—*Cheilolejeunea surrepens* (Mitten 1879: 399) Jones (1976: 49).

- Pycnolejeunea trapezia* (Nees 1830: 41) [Stephani (1890b: 76); Stephani (1890c: 141)] **Schiffner (1893b: 124)**. Current name:—*Cheilolejeunea trapezia* (Nees 1830: 41) Kachroo & Schuster (1961: 509).
- Pycnolejeunea ventricosa* [Schiffner (1890: 32)] Schiffn. ex **Sydow (1894: 246)**. Current name:—*Cheilolejeunea ventricosa* (Schiffn.) He (1999: 60).
- Stictolejeunea kunzeana* (Gottsche *et al.* 1845b: 322) [Stephani (1890c: 141)] **Schiffner (1893b: 131)**. Current name (Gradstein 1985):—*Stictolejeunea squamata* (Willd. in Weber 1815: 33) Schiffner (1893b: 131).
- Stictolejeunea squamata* (Willd. in Weber 1815: 33) [Stephani (1888c: 291); Stephani (1890c: 141)] **Schiffner (1893b: 131)**.
- Strepsilejeunea acuminata* (Lehm. et Lindenb. in Lehmann 1834: 49) [Stephani (1890b: 75); Stephani (1890c: 141)] **Stephani (1913: 293)**. Current name:—*Lejeunea acuminata* (Lehm. et Lindenb. in Lehmann 1834: 49) Lehmann (1838: 22).
- Strepsilejeunea acutangula* (Nees 1833: 357) [Stephani (1890b: 74); Stephani (1890c: 141)] **Stephani (1913: 278)**. Current name:—*Cheilolejeunea acutangula* (Nees 1833: 357) Grolle (1979a: 173).
- Strepsilejeunea austrina* [Stephani (1889b: 260)] Spruce ex **Stephani (1913: 29)**. Current name (Grolle 1982):—*Cheilolejeunea mimosa* (Hooker & Taylor 1844a: 398) Schuster (1963a: 245).
- Strepsilejeunea brevifissa* (Gottsche 1882: 356) [Pearson (1892: 7)] **Stephani (1895b: 65)**. Current name (Jones 1988):—*Cheilolejeunea krakammae* (Lindenb. in Gottsche *et al.* 1845b: 353) Schuster (1963a: 112).
- Strepsilejeunea cardiophylla* (Gottsche 1882: 356) [Pearson (1892: 7)] **Stephani (1913: 276)**. Current name (Grolle 1991):—*Lejeunea conformis* Nees et Mont. in Montagne (1843: 260).
- Strepsilejeunea comitans* (Hook.f. et Taylor in Taylor 1846: 400) [Stephani (1890b: 79); Stephani (1890c: 141)] **Stephani (1913: 291)**. Current name (Zhu 2006):—*Cheilolejeunea krakammae* (Lindenb. in Gottsche *et al.* 1845b: 353) Schuster (1963a: 112).
- Strepsilejeunea inflexa* (Hampe in Lehmann 1838: 22) [Stephani (1890b: 74); Stephani (1890c: 141); Jack & Stephani (1892: 13)] **Stephani (1897b: 24)**. Current name:—*Cheilolejeunea inflexa* (Hampe in Lehmann 1838: 22) Grolle (1979a: 174).
- Strepsilejeunea involuta* (Gottsche in Gottsche *et al.* 1845b: 350) [Stephani (1888c: 287); Stephani (1890b: 74); Stephani (1890c: 141)] **Stephani (1896a: 76)**. Current name:—*Lepidolejeunea involuta* (Gottsche in Gottsche *et al.* 1845b: 350) Grolle (1984: 504).
- Strepsilejeunea krakammae* (Lindenb. in Gottsche *et al.* 1845b: 353) [Stephani (1890b: 74); Stephani (1890c: 141)] **Stephani (1913: 276)**. Current name:—*Cheilolejeunea krakammae* (Lindenb. in Gottsche *et al.* 1845b: 353) Schuster (1963a: 112).
- Strepsilejeunea kunthiana* (Lindenb. in Gottsche *et al.* 1845b: 353) [Stephani (1890b: 74); Stephani (1890c: 141)] **Schiffner (1893b: 127)**. Current name (Grolle 1979a):—*Cheilolejeunea acutangula* (Nees 1833: 357) Grolle (1979a: 173).
- Strepsilejeunea laevicalyx* [Jack & Stephani (1892: 19)] J.B.Jack et Steph. in **Stephani (1913: 283)**. Current name:—*Cheilolejeunea laevicalyx* (J.B.Jack et Steph. in Stephani 1913: 283) Grolle (1988: 403).
- Strepsilejeunea lanceolata* (Gottsche in Gottsche *et al.* 1845b: 350) [Stephani (1890b: 75); Stephani (1890c: 141)] **Stephani (1913: 283)**.
- Strepsilejeunea lobulata* (Lindenb. in Gottsche *et al.* 1845b: 350) [Stephani (1890b: 74); Stephani (1890c: 141)] **Stephani (1913: 284)**. Current name (Grolle 1979a):—*Cheilolejeunea acutangula* (Nees 1833: 357) Grolle (1979a: 173).
- Strepsilejeunea luchmannii* [Stephani (1889b: 261)] **Stephani (1913: 292)**. Current name (Grolle 1982):—*Lejeunea drummondii* Taylor (1846: 400).
- Strepsilejeunea mimosa* (Hooker & Taylor 1844a: 398) [Stephani (1890b: 85); Stephani (1890c: 141)] **Schiffner (1893b: 127)**. Current name:—*Cheilolejeunea mimosa* (Hooker & Taylor 1844a: 398) Schuster (1963a: 245).
- Strepsilejeunea neelgherriana* (Gottsche in Gottsche *et al.* 1845b: 354) [Stephani (1890b: 75) ‘nilgherriana’; Stephani (1890c: 141) ‘nilgherriana’] **Schiffner (1899: 206)** ‘Nilgherriana’. Current name:—*Lejeunea neelgherriana* Gottsche in Gottsche *et al.* (1845b: 354).
- Strepsilejeunea obruncata* (Montagne 1845b: 354) [Stephani (1890b: 84); Stephani (1890c: 141)] **Stephani (1913: 295)**. Current name:—*Cheilolejeunea obruncata* (Montagne 1845b: 354) Solari (1983: 539).
- Strepsilejeunea orba* (Gottsche in Gottsche *et al.* 1845b: 350) [Stephani (1890b: 74); Stephani (1890c: 141)] **Schiffner (1893b: 127)**. Current name (Reiner-Drehwald 2006):—*Lepidolejeunea involuta* (Gottsche in Gottsche *et al.* 1845b: 350) Grolle (1984: 504).
- Strepsilejeunea owaihiensis* (Gottsche in Gottsche *et al.* 1845b: 351) [Stephani (1890b: 74); Stephani (1890c: 141)] **Stephani (1897a: 842)** ‘owaihiensis’. Current name (Piippo 1986):—*Lepidolejeunea involuta* (Gottsche in Gottsche *et al.* 1845b: 350) Grolle (1984: 504).
- Strepsilejeunea tenuistipula* Lindenb. et Gottsche in Gottsche *et al.* (1845b: 351) [Stephani (1890b: 74); Stephani (1890c: 141)]. Note:—The name seems never to have been validly published. Current name (He & Grolle 2001):—*Xylolejeunea crenata* (Nees et Mont. in Montagne 1838: 48) He & Grolle (2001: 36).
- Taxilejeunea affinis* (Lindenb. et Gottsche in Gottsche *et al.* 1847: 748) **Stephani (1890c: 141)**. Current name (Stephani 1914):—*Lejeunea caracensis* Lindenb. in Gottsche *et al.* (1845b: 355).
- Taxilejeunea antillana* [Stephani (1888c: 281)] **Stephani (1914: 482)**.
- Taxilejeunea apiculata* (Gottsche 1864: 149) **Jack & Stephani (1892: 13)**.

- Taxilejeunea caripensis* (Lindenb. et Gottsche in Gottsche et al. 1847: 758) **Stephani (1890b: 75)**. Current name:—*Lejeunea caripensis* Lindenb. et Gottsche in Gottsche et al. (1847: 758).
- Taxilejeunea chamissonis* (Lindenb. in Gottsche et al. 1845b: 378) **Stephani (1890b: 85)**. Current name:—*Lejeunea chamissonis* Lindenb. in Gottsche et al. (1845b: 378).
- Taxilejeunea conformis* (Nees et Mont. in Montagne 1843: 260) **Stephani (1890b: 75)**. Current name:—*Lejeunea conformis* Nees et Mont. in Montagne (1843: 260).
- Taxilejeunea convexa* **Stephani (1889b: 262)**. Current name (Grolle 1979a):—*Lejeunea microloba* Taylor (1846: 399).
- Taxilejeunea cordistipula* (Lindenb. et Gottsche in Gottsche et al. 1847: 758) **Stephani (1890b: 75)**. Current name:—*Lejeunea cordistipula* Lindenb. et Gottsche in Gottsche et al. (1847: 758).
- Taxilejeunea debilis* (Lehm. et Lindenb. in Lehmann 1832: 51) **Stephani (1890c: 141)**. Current name:—*Lejeunea debilis* (Lehm. et Lindenb. in Lehmann 1832: 51) **Nees & Montagne (1836: 60)**.
- Taxilejeunea eggersiana* [Stephani (1888c: 285)] **Schiffner (1897: 579)**.
- Taxilejeunea flaccida* (Lindenb. et Gottsche in Gottsche et al. 1847: 758) **Stephani (1890b: 75)**. Current name:—*Lejeunea flaccida* Lindenb. et Gottsche in Gottsche et al. (1847: 758).
- Taxilejeunea gracilipes* (Taylor 1846: 385) **Stephani (1890c: 141)**. Current name:—*Lejeunea gracilipes* (Taylor 1846: 385) Spruce (1884: 213).
- Taxilejeunea guadalupensis* [Stephani (1890c: 141) ICN Art. 38.1(a); no description]. Note:—The name seems never to have been validly published. Current name (Stephani 1914):—*Lejeunea lusoria* (Lindenb. et Gottsche in Gottsche et al. 1847: 747) Stephani (1890c: 141).
- Taxilejeunea isocalycina* (Nees 1833: 356) **Stephani (1890c: 141)**. Current name (Costa 2009):—*Taxilejeunea serpillifolioides* (Raddi 1822: 17) Costa (2009: 230).
- Taxilejeunea leioscyphus* (Gottsche 1864: 148) **Stephani (1890c: 141)** ‘*leioscypha*’. Current name (Gradstein & Hekking 1979):—*Lejeunea pallescens* Mitten (1851: 360).
- Taxilejeunea lumbricoides* (Nees 1830: 40) **Stephani (1890c: 141)**. Current name:—*Lejeunea lumbricoides* (Nees 1830: 40) Nees in Gottsche et al. (1845b: 342).
- Taxilejeunea lusoria* (Lindenb. et Gottsche in Gottsche et al. 1847: 747) **Stephani (1890c: 141)**. Current name:—*Lejeunea lusoria* (Lindenb. et Gottsche in Gottsche et al. 1847: 747) Stephani (1890c: 141).
- Taxilejeunea martinicensis* (Gottsche 1864: 149) **Stephani (1890c: 141)**. Current name (Evans 1921):—*Lejeunea debilis* (Lehm. et Lindenb. in Lehmann 1832: 51) Nees & Montagne (1836: 60).
- Taxilejeunea neumanniana* (Nees in von Flotow et al. 1842: 44) **Stephani (1890b: 75)**. Current name:—*Lejeunea neumanniana* Nees in von Flotow et al. (1842: 44).
- Taxilejeunea pterigonia* (Lehm. et Lindenb. in Lehmann 1834: 44) **Stephani (1890c: 142)** ‘*pterogonia*’. Current name:—*Lejeunea pterigonia* (Lehm. et Lindenb. in Lehmann 1834: 44) Montagne (1840: 337).
- Taxilejeunea renistipula* (Lindenb. in Gottsche et al. 1845b: 308) **Stephani (1890c: 142)**.
- Taxilejeunea sulphurea* (Lehm. et Lindenb. in Lehmann 1833: 14) [Stephani (1888c: 301, 292)] **Stephani (1890c: 142)**. Current name:—*Lejeunea sulphurea* (Lehm. et Lindenb. in Lehmann 1833: 14) Spruce (1884: 217).
- Taxilejeunea surinamensis* (Lindenberg & Gottsche 1851: 628) **Stephani (1890c: 142)**.
- Taxilejeunea tenera* (Swartz 1788: 143) **Stephani (1890b: 98)**. Current name:—*Lejeunea tenera* (Swartz 1788: 143) Gottsche et al. (1845b: 406).
- Thysanolejeunea abietina* [Stephani (1889b: 263)]. Note:—The name seems never to have been validly published. Current name (Verdoorn 1934b):—*Thysananthus fruticosus* (Lindenb. et Gottsche in Gottsche et al. 1847: 737) Schiffner (1893b: 130).
- Thysanolejeunea amazonica* (Spruce 1884: 106) [Stephani (1889b: 263)]. Note:—The name seems never to have been validly published. Current name:—*Thysananthus amazonicus* Spruce (1884: 106).
- Thysanolejeunea anguiformis* (Hooker & Taylor 1844c: 567) [Stephani (1890c: 142)]. Note:—The name seems never to have been validly published. Current name:—*Thysananthus anguiformis* (Hooker & Taylor 1844c: 567) Hook.f. et Taylor ex Gottsche et al. (1845a: 289).
- Thysanolejeunea comosa* (Lindenb. in Lehmann 1844: 25) [Stephani (1890c: 142)]. Note:—The name seems never to have been validly published. Current name:—*Thysananthus comosus* Lindenb. in Lehmann (1844: 25).
- Thysanolejeunea convoluta* (Lindenb. in Gottsche et al. 1845a: 288) [Stephani (1890c: 142)]. Note:—The name seems never to have been validly published. Current name:—*Thysananthus convolutus* Lindenb. in Gottsche et al. (1845a: 288).
- Thysanolejeunea cucullata* [Stephani (1889b: 263)]. Note:—The name seems never to have been validly published and it is unclear to us where to refer it.
- Thysanolejeunea dissoptera* (Spruce 1884: 108) [Stephani (1889b: 263); Stephani (1890c: 142)]. Note:—The name seems never to have been validly published. Current name (Gradstein & Hekking 1989):—*Thysananthus comosus* Lindenb. in Lehmann (1844: 25).

- Thysanolejeunea fruticosa* (Lindenb. et Gottsche in Gottsche et al. 1847: 737) [Stephani (1890c: 142)]. Note:—The name seems never to have been validly published. Current name:—*Thysananthus fruticosus* (Lindenb. et Gottsche in Gottsche et al. 1847: 737) Schiffner (1893b: 130).
- Thysanolejeunea gottschei* Jack & Stephani (1892: 20). Current name:—*Thysananthus gottschei* (Jack & Stephani 1892: 20) Stephani (1912a: 787).
- Thysanolejeunea lehmanniana* (Nees in Gottsche et al. 1845a: 302) [Stephani (1890c: 142)]. Note:—The name seems never to have been validly published. Current name (Geissler & Gradstein 1994):—*Spruceanthus semirepandus* (Nees 1830: 39) Verdoorn (1934b: 153).
- Thysanolejeunea plana* (Sande Lacoste 1854: 419) [Stephani (1890c: 142)]. **Stephani (1896b: 313)**. Current name (Thiers & Gradstein 1989):—*Thysananthus retusus* (Reinwardt et al. 1824: 214) Thiers & Gradstein (1989: 67).
- Thysanolejeunea pterobryoides* (Spruce 1884: 109) [Stephani (1889b: 263)]. **Stephani (1912a: 786)**. Current name:—*Fulfordianthus pterobryoides* (Spruce 1884: 109) Gradstein (1992a: 44).
- Thysanolejeunea reversa* [Stephani (1889b: 263)] **Stephani (1896a: 139)**. Current name (Sukkharak 2015):—*Thysananthus gottschei* (Jack & Stephani 1892: 20) Stephani (1912a: 787).
- Thysanolejeunea spathulistipa* (Reinwardt et al. 1824: 212) [Stephani (1890c: 142)] **Jack & Stephani (1894: 104)**. Current name:—*Thysananthus spathulistipus* (Reinwardt et al. 1824: 212) Lindenb. in Gottsche et al. (1845a: 287).
- Thysanolejeunea vittata* (Mitten 1873: 411) [Stephani (1889b: 263)]. Note:—The name seems never to have been validly published. Current name (Schiffner 1898):—*Thysananthus fruticosus* (Lindenb. et Gottsche in Gottsche et al. 1847: 737) Schiffner (1893b: 130).
- Trachylejeunea acanthina* (Spruce 1884: 182) **Schiffner (1893b: 126)**. Current name:—*Cheilolejeunea acanthina* (Spruce 1884: 182) Gradstein & Ilkiu-Borges (2009: 62).
- Trachylejeunea ambigua* (Lindenb. et Gottsche in Gottsche et al. 1847: 764) **Stephani (1890b: 84)**. Current name:—*Lejeunea ambigua* Lindenb. et Gottsche in Gottsche et al. (1847: 764).
- Trachylejeunea asperiflora* (Spruce 1884: 183) **Schiffner (1893b: 126)**. Current name:—*Cheilolejeunea asperiflora* (Spruce 1884: 183) Gradstein & Ilkiu-Borges (2009: 62).
- Trachylejeunea elegantissima* **Stephani (1889b: 262)**. Current name:—*Siphonolejeunea elegantissima* (Stephani 1889b: 262) Grolle (1976b: 405).
- Trachylejeunea prionocalyx* [Schiffner (1893b: 126) ICN Art. 38.1(a); no description] **Schiffner (1897: 592)**. Current name (Reiner-Drehwald & Goda 2000):—*Lejeunea sporadica* Bescherelle & Spruce (1889: clxxx).
- Trachylejeunea raddiana* (Lindenb. in Gottsche et al. 1845b: 342) **Stephani (1890b: 70)**. Current name:—*Lejeunea raddiana* Lindenb. in Gottsche et al. (1845b: 342).

Nomenclatural consequences of establishing of Sprucean subgenera

One consequence of the conclusions above is that the correct citations for many names, both generic and specific, need to be changed from citations commonly accepted in recent publications. In a couple of cases, where the name usually regarded as the basionym of the accepted name proves to be not validly published, the correct name turns out to be a name usually included in synonymy. A few taxa turn out to lack validly published names in the genus in which they usually are placed today. Below we only comment on the taxa where the correct name changes or where a new name or combination is needed.

The basionym for *Acrolejeunea securifolia* subsp. *hartmannii* is *Ptychocoleus hartmannii* Stephani (1912b: 44). If recognized at species rank the correct name for the taxon would be *Acrolejeunea micholitzii* Stephani (1895a: 58).

As *Cololejeunea bistyla* Stephani (1889a: 168) is not validly published, the correct name is *Cololejeunea hamata* Stephani (1895a: 248).

Grolle (1975) considered *Colurolejeunea apiculata* Schiffner (1900: 198) not to be a validly published name, but we regard it as validly published as the generic name was validly published earlier. As it is an earlier name than *Colurolejeunea leratii* Stephani (1908: 30), *Colura apiculata* (Schiffner 1900: 198) Stephani (1916: 936) needs to replace *Colura leratii* (Stephani 1908: 30) Stephani (1916: 939).

The name *Lejeunea hyalina* has been considered validly published in Stephani (1890a: 77) by e.g. Gradstein & Hekking (1979) and Uribe & Gradstein (1998). However, in that publication it is referred to the genus *Pycnolejeunea*, which at that time was not yet validly published. The earliest validly published name for the taxon is *Pycnolejeunea hyalina* (Stephani 1914: 614) and we cannot find it validly published in the genus *Lejeunea*. Thus we validate it here.

Lejeunea hyalina (Steph.) L.Söderstr. et A.Hagborg, **comb. nov.** Basionym:—*Pycnolejeunea hyalina* Steph., *Sp. Hepat. [Stephani]* 5: 614, 1914 (Stephani 1914). Type:—COLOMBIA. Bogotá, *Lindig* (G-00128273, lectotype **here designated** [if not holotype]).

As *Microlejeunea cochlearifolia* Stephani (1888b: 113) is validly published, it must replace *Microlejeunea kamerunensis* Stephani (1915: 812), if the synonymy is correct (see Jones 1969 “perhaps synonymous?”).

Odontolejeunea berteriana Stephani (1888c: 282) is not validly published and therefore is not available as a basionym. *Rectolejeunea berteriana* Evans (1906: 12), published with a description, is not a combination based on Stephani’s name, but a new species. However, because Evans cites *Cheilolejeunea versifolia* Schiffner (1897: 597) in synonymy, Evans name is illegitimate (ICN Art. 52.1) and a new combination in *Rectolejeunea* based on Schiffner’s name is required.

Rectolejeunea versifolia (Schiffn.) L.Söderstr. et A.Hagborg **comb. nov.** Basionym:—*Cheilolejeunea versifolia* Schiffn., *Bot. Jahrb. Syst.* 23 (5): 597, 1897 (Schiffner 1897). Type:—CUBA. *Wright 1202* (G), *131* (YU), *s.n.* (MANCH-12950), syntypes.

= *Rectolejeunea berteriana* A.Evans, *Bull. Torrey Bot. Club* 33: 12, 1906 (Evans 1906) *nom. illeg.* (ICN Art. 52.1; earlier name included).

Type:—PUERTO RICO. *Bertero*, *Herb. Jack et Gottsche* (lectotype by He 1997: 69).

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