

A revised checklist of Hawaiian mosses

G. W. Staples, C. T. Imada, W. J. Hoe, and C. W. Smith

Correction for Page 38:

Hawaiian Moss Flora in Summary

	Endemic	Indigenous	Alien	Total
Families	0	41	1	42
Genera	2	126	7	135
Species	75	166	14	255
Total named taxa	90	169	14	273

Correction for Page 39:

Frahm *et al.* 2000, cited under *Amphidium tortuosum*, should correctly refer to the following:

Frahm, J.-P., T. Klöcker, R. Schmidt, and C. Schöter. 2000. Revision der Gattung *Amphidium* (Musci, Dicranaceae). *Tropical Bryology* 18: 173-184.

A revised checklist of Hawaiian mosses¹

G. W. Staples^A, C. T. Imada^A, W. J. Hoe,^B and C. W. Smith^C

^A—Hawaii Biological Survey, Bishop Museum, 1525 Bernice St., Honolulu, Hawaii 96817 U.S.A.

^B—deceased;

^C—Department of Botany, The Natural History Museum, Cromwell Road, London, SW7 5BD, U.K.

Abstract. A revised and updated literature-based checklist of Hawaiian mosses is presented. Geographic coverage includes the eight main Hawaiian Islands; the Northwestern Hawaiian Islands are excluded. The checklist is alphabetically ordered by scientific names; the family is noted for each genus. Synonyms and misapplied names are cross-referenced to the accepted names. A bibliography of supporting references is included.

Introduction

The Hawaii Biological Survey (HBS) was established as a program of Bishop Museum by the Hawaii State Legislature in 1992, specifically to create and maintain accurate inventories of all species present in the Hawaiian Islands, and to document their presence with voucher specimen collections and bibliographies of relevant scientific literature. In the ensuing eleven years, comprehensive taxonomic inventories have been compiled for many groups of organisms, both native and alien, that comprise the Hawaiian biota. Vascular plants and marine algae have been the primary focus of botanical inventory efforts; research on non-marine algae, terrestrial cryptogamic plants, fungi, and lichens has lagged behind.

This checklist is intended to fill one of the gaps in our knowledge of Hawaiian terrestrial

cryptogamic plants—the mosses. Also in preparation by HBS staff members are checklists and bibliographies for the Hawaiian anthocerototes (hornworts) and hepatics (liverworts). A non-marine algal checklist for the Hawaiian Islands is also in an advanced stage of preparation (A. Sherwood, pers. comm.). Eventually a checklist of Hawaiian lichens is planned. These ongoing inventories will help the Hawaii Biological Survey to fulfill its mission by systematically compiling literature-based inventories for each of these groups of organisms.

Genesis of the current checklist

This checklist of Hawaiian mosses begins where its predecessor—the checklist compiled by Hoe (1974)—left off, and updates that document by revising the nomenclature, adding new taxa and distributional records, and providing a bibliography of literature that supports the names in current use. The checklist

¹ Contribution No. 2004–001 to the Hawaii Biological Survey.

and bibliography were compiled by a collaborative effort between HBS staff members (Staples, Imada) working in partnership with two bryological specialists (Hoe, Smith), who had assembled a cache of literature citations and new distribution records pertinent to Hawaiian mosses. Funding from the USDA–PLANTS database project in 1998 provided the impetus for Staples and Imada to undertake conversion of Hoe's 1974 moss checklist to an electronic format and then begin to update the taxonomy and distribution information it contained. Hoe and Smith generously shared their preliminary cache of information in order to facilitate the update process. Sadly, in May 2000, Hoe died suddenly, a great loss to the botanical community in Hawai'i and to the world bryological community. After some reorganization the project resumed and was completed by Staples and Imada. In the final version of the checklist, taxonomic decisions were made by Staples, with review and critical input from Smith and two independent reviewers.

Coverage

It must be emphasized that this is a literature-based taxonomic checklist, not a specimen-based inventory. It is compiled from literature published from the mid-1970s to the present (2003). The starting point is the checklist published by Hoe (1974), who summarized the literature and reconciled the scientific names for Hawaiian mosses in use up to that time. The present checklist attempts to account for all scientific names in use for Hawaiian mosses in the latter decades of the twentieth century; it is not a comprehensive nomenclator for all names that have ever been published for, or applied to, Hawaiian mosses. No nomenclatural novelties or taxonomic changes are initiated in this checklist.

Geographically, coverage focuses on the eight main Hawaiian Islands. There are, as yet, no published reports for bryophytes from the uninhabited Northwestern Hawaiian Islands, although a few bryophyte collections were made there in the last decades of the twentieth century. It had been Bill Hoe's intention to identify these voucher specimens and write them up for publication but the specimens remain unstudied as this checklist goes to print. They await

inclusion in a future iteration of the Hawaiian moss checklist.

In the last quarter of the twentieth century there was a renaissance of bryological research worldwide and as a result many revisions, floristic accounts, and several monographs have been published that impact Hawaiian moss nomenclature. These regional and global studies resulted in significant taxonomic changes, as well as reporting discovery of several taxa new to the Islands, either rare native mosses or newly naturalized alien species. This checklist aims to summarize all this information in a concise format, as follows.

Format

Accepted scientific name

The main body of the checklist is alphabetically organized by genus, species, and infraspecific taxon. Accepted names appear in ***bold italic*** type. Authors are included for the genera, species, and infraspecific epithets. Authors of moss genera have been standardized against the classification proposed in *Bryophyte Biology* (Shaw & Goffinet 2000); authors for five genera not found in that classification have been checked on the MOST website (cited below). All author names are abbreviated according to *Authors of Plant Names* style (Brummitt & Powell 1992). References that explain the taxonomic concept or provide geographic distribution data are cited after the accepted taxon name.

The first mention of a genus includes the family assignment on the same line. Most genera are still placed in the same families recognized by Hoe (1974), but a few new family placements have been made since then. In such cases, we provide first the family assignment used by Hoe (1974), and mention alternative family placements afterward, with a reference to the source.

Synonyms and misapplied names (in *italics*) follow the accepted name in paragraph style. These are limited primarily to names in use for Hawaiian mosses in the latter part of the twentieth century, although a few names from other parts of the world that enter into the nomenclature for particular taxa have been included to enable tracking names through the literature.

Status

Following the taxonomy is a column indicating status of the taxon in the Hawaiian flora: **end** indicates an endemic, **ind** indicates indigenous, and **nat** signifies naturalized. A **?** following any of these signifies uncertainty about the status of the taxon in the Hawaiian flora. While some research has been devoted to the mode of introduction of pteridophytes and angiosperms to Hawai'i, resulting in a list of species that are likely to have been introduced by Polynesian voyagers that settled the archipelago and another (much larger) list of plants that arrived following European contact, little attention has been devoted to bryophytes in this regard. The authors have used their best judgment in cases where the status is not clear and appended a **?** to whatever status we assigned, to draw attention to the species and invite investigation from specialists.

One case worth noting is *Racopilum cuspidigerum*, which is widespread in the Southern Hemisphere but is found only in the Hawaiian Islands in the Northern Hemisphere. It is a prime candidate as a Polynesian introduction to Hawai'i, and indeed to many of the other Polynesian islands in the South Pacific (S. Olson, pers. comm.).

Island distribution

Following the status category is a summary of geographic distribution on the eight main Hawaiian Islands. The island name abbreviations are explained at the foot of each page. An island abbreviation appears in the row to the right of the taxon name to signify that the taxon is reported in the literature from that island. Absence of the island name abbreviation indicates the moss is not (yet) known from that island. Given the inadequate state of moss collecting in the Hawaiian Islands, many new island distribution records are sure to be found in the future.

Synonym list and Literature Consulted

Following the main body of the checklist, an alphabetical list of all synonyms and misapplied names is provided. This list cross-references every synonym or misapplied name to the main entry found under the scientific name

accepted in this checklist. The checklist concludes with a bibliography of the references cited in the checklist; more than 130 bryological titles were consulted in the course of the project, but only those providing taxonomic or distribution data pertinent to this checklist are included here.

Anomalies and incomplete records

A few moss names without any island distribution are included, based on (mostly) older literature that reports the species from the Hawaiian (or sometimes Sandwich) Islands without stating on which island the species was found. Two examples in the list are *Dicranoweisia cirrata* and *Plagiothecium denticulatum*. Their presence in the Hawaiian Islands needs to be confirmed and documented with contemporary collections.

Another anomaly is *Mniobryoides degeneri*, an invalid name published without a description or indication of a type specimen by H. Hörmann. It has been pointed out (S. Olson, pers. comm.) that this is probably a misidentification for some well-known species. However, *M. degeneriae* has never been assessed by a competent bryologist to ascertain its true identity. We leave the name in the checklist to point out that more study is required.

A note about family circumscriptions

The past 25 years has brought an explosion in research on bryophyte systematics and a great deal of new information has accrued, which has led to many changes in moss classification. Family classification in particular has become increasingly problematic as new data provide insights into relationships between genera. Several new families have been erected and other genera have been reassigned. We have indicated the family where Hoe (1974) assigned each genus, followed by alternative family assignments where these were discovered. Two principle reference works were consulted for family assignments: first, *Bryophyte Biology* (Shaw & Goffinet 2000), and in a few cases the bryological nomenclator included in the W³MOST database of mosses (<http://mobot.mobot.org/W3T/Search/most.html>) on the TROPICOS website.

Hawaiian Moss Flora in Summary

	Endemic	Indigenous	Alien	Total
Families	41	1	42	
Genera	2	126	7	135
Species	75	166	14	255
Total named taxa	90	169	14	273

The way forward

It is hoped that by bringing together the literature and providing an updated checklist of names in current use, one or more competent bryologists might be inspired to undertake preparation of a moss flora for the Hawaiian Islands. The last floristic account of the Hawaiian mosses is that by Bartram (1933, 1939). Bill Hoe intended to write a modern flora of the Hawaiian mosses, but his untimely death prevented that. It is our hope that professional bryologists will take up the challenge to complete this much needed reference work.

Those who would study Hawaiian mosses will find type material and historic specimens widely distributed in herbaria around the world. In the last decades of the twentieth century, D. Vitt and his students as well as a team of cryptogamic botanists from the National Museum of Tokyo collected mosses throughout the main Hawaiian Islands. But by far the most comprehensive late twentieth century collections of Hawaiian mosses are those made by Hoe between 1965 and 1995. Today the first set of Hoe's collections resides in two herbaria: the Herbarium Pacificum, Bishop Museum, Honolulu (BISH) and the Claude Philipps Herbarium, Delaware State University, Dover (DOV), with duplicates widely distributed in other herbaria. Hoe donated his personal herbarium to BISH in 1983. His residual duplicates and some new material acquired after 1983 were deposited at DOV after the sale of Hoe's bryological library and herbarium. The Hoe collections in BISH and DOV provide an excellent resource for bryological researchers and afford a solid foundation for any floristic account of Hawaiian mosses.

Acknowledgments

Funding for initial data compilation was made available by the USDA-PLANTS program; we thank Scott Petersen and Mark Skinner for their support and assistance. Our Museum colleagues Katie Anderson and Karin Kami assisted with data entry and bibliographic compilation. Bishop Museum librarian Patrice Belcher obtained numerous critical references through interlibrary loan services. Reviews of the draft checklist by Storrs Olson, U.S. National Museum, and James Shevock, U.S. Geological Survey, brought to light several bryological articles overlooked during the compilation as well as many suggestions for its improvement. Bill Buck, New York Botanical Garden, added further literature citations and name changes when he edited the manuscript for *Tropical Bryology*. The authors gratefully acknowledge all assistance rendered; any errors of fact or interpretation are the sole responsibility of the authors.

REFERENCES CITED

- Anderson, L.E., H.A. Crum, and W.R. Buck. 1990.** List of the mosses of North America north of Mexico. *Bryologist* 93(4): 448–499.
- Arts, T. 2001.** A revision of the Splachnobryaceae (Musci). *Lindbergia* 26(2): 77–96.
- Bartram, E.B. 1933.** Manual of Hawaiian mosses. *Bishop Museum Bulletin* 101: 1–275.
- Bartram, E.B. 1939.** Supplement to the manual of Hawaiian mosses. *Bishop Museum Occasional Papers* 15(8): 93–108.

- Brassard, G.R. 1984.** The moss genus *Timmia*. 3. Sect. *Timmia*. *Lindbergia* 10(1): 33–40.
- Bruggeman-Nannenga, M.A., and R.A. Pursell. 1995.** Notes on *Fissidens* V. *Lindbergia* 20(2–3): 49–55.
- Brummitt, R.K., and C.E. Powell (eds.). 1992.** Authors of plant names. Royal Botanic Gardens, Kew, 732 pp.
- Buck, W.R. 1983.** Nomenclatural and taxonomic notes on West Indian Sematophyllaceae. *Brittonia* 35(3): 309–311.
- Buck, W.R. 1984.** *Pylaisiadelpha* replaces *Brotherella* (Sematophyllaceae). *Yushania* 1(2): 11–13.
- Buck, W.R. 1987a.** Taxonomic and nomenclatural rearrangements in the Hookeriales with notes on West Indian taxa. *Brittonia* 39(2): 210–224.
- Buck, W.R. 1987b.** Notes on Asian Hypnaceae and Associated Taxa. *Memoirs of the New York Botanical Garden* 45: 519–527.
- Buck, W.R. 1990.** A monograph of *Entodon* (Entodontaceae) in Australia, Eastern Melanesia and Southern Oceania. *Australian Systematic Botany* 3: 701–709.
- Buck, W.R. 1998.** Pleurocarpus Mosses of the West Indies. *Memoirs of the New York Botanical Garden* 82: 1–400. [ref. *Barbellopsis trichophora*]
- Buck, W.R., and R.R. Ireland. 1985.** A reclassification of the Plagiotheciaceae. *Nova Hedwigia* 41: 89–125.
- Buck, W.R., and B.C. Tan. 1989 [1990].** The Asiatic genera of Sematophyllaceae associated with *Trichosteleum*. *Acta Bryolichenologica Asiatica* 1: 5–19.
- Burley, J.S., and N.M. Pritchard. 1990.** Revision of the genus *Ceratodon* (Bryophyta). *Harvard Papers in Botany* 2: 17–76.
- Cao, T., and S.P. Churchill. 1995.** New synonyms in *Grimmia* and *Schistidium* (Bryopsida: Grimmiaceae). *Nova Hedwigia* 60(3–4): 505–513.
- Cao, T., S.-L. Guo, and J. Yu. 2003.** Preliminary studies on distribution pattern of the genus *Ptychomitrium* (Musci) in the world. *Journal of the Hattori Botanical Laboratory* 93: 247–258.
- Christy, J.A. 1987.** *Limbella fryei* (Williams) Ochrya distinct from *L. tricostata* (Sull.) C. M. (Musci: Amblystegiaceae). *Journal of the Hattori Botanical Laboratory* 63: 395–410.
- Corley, M.F.V., A.C. Crundwell, R. Düll, M.O. Hill, and A.J.E. Smith. 1981.** Mosses of Europe and the Azores; an annotated list of species, with synonyms from the recent literature. *Journal of Bryology* 11(3): 609–689. [cf. p. 622, *Didymodon insulanus*]
- Crosby, M.R., W. Schultze-Motel, and U. Schultze-Motel. 1983.** Katalog der Laubmoose von Madagaskar und den umliegenden Inseln. *Willdenowia* 13: 187–255.
- Crum, H., and D. Mueller-Dombois. 1968.** Two new mosses from Hawaii. *Journal of the Hattori Botanical Laboratory* 31: 293–296.
- Darigo, C. 1996.** *Barbula indica* and *Fissidens crumii* new to Hawaiian Island of Maui and the status of *Barbula unguiculata* in Hawaii. *Evansia* 13(2): 77.
- During, H.J. 1977.** A taxonomical revision of the Garovaglioideae (Pterobryaceae, Musci). *Bryophytarum Bibliothecae* 12: 1–2440.
- Enroth, J. 1989.** Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXVII. Neckeraceae (Musci). *Acta Botanica Fennica* 137: 41–80.
- Frahm, J.-P. 1976.** Taxonomische Studien zur Gattung *Campylopus* III. *Revue Bryologique et Lichénologique* 42(4): 891–908.
- Frahm, J.-P. 1978.** Ein Beitrag zur *Campylopus* flora von Hawaii. *Revue Bryologique et Lichénologique* 44(1): 47–52.
- Frahm, J.-P. 1991.** A survey of the *Campylopus* flora of Hawaii. *Bryologist* 94(1): 60–66.
- Frahm, J.-P. 1992.** A revision of the East-Asian species of *Campylopus*. *Journal of the Hattori Botanical Laboratory* 71: 133–164.
- Frahm, J.-P. 1997.** A taxonomic revision of *Dicranodontium* (Musci). *Annales Botanicae Fennicae* 34: 179–204.
- Frahm, J.-P., J. Ahmed, M. Hagen, and M. Peles. 2000.** Revision der Gattung *Rhabdoweisia* (Musci, Dicranaceae). *Tropical Bryology* 18: 161–172.
- Frahm, J.-P., and W.J. Hoe. 1978.** *Campylopus incurvatus*: a new species of the Dicranaceae from Hawaii. *Bryologist* 81(3): 449–451.
- Gangulee, H.C. 1974.** Mosses of Eastern India and Adjacent Regions. A monograph. Fascicle

- 4 (Funariales & Eubryales). Published by the author, Calcutta, India, xvi+ pp. 831–1134.
- Giese, M., and J.-P. Frahm. 1985.** A revision of *Campylopodium* (C. Müll.) Besch. Lindbergia 11(2–3): 125–133.
- Greven, H.C. 2003.** Grimmias of the world. Backhuys, Leiden, 247 pp.
- He, S., and J. Snider. 1992.** A preliminary survey of the moss genus *Symphyodon* (Symphyodontaceae, Musci). Bryobrothera 1: 283–287.
- Hoe, W.J. 1974.** Annotated checklist of Hawaiian mosses. Lyonia 1(1): 1–45.
- Hoe, W.J. 1975.** Additional new and noteworthy records for Hawaiian mosses—3. Bryologist 78(3): 359–360.
- Hoe, W.J. 1977.** Additional new and noteworthy records for Hawaiian mosses—4. Recent collections from Haleakala National Park and adjacent regions, island of Maui. Bryologist 80(2): 328–332.
- Hoe, W.J. 1978.** Bryophyta Hawaiica exsiccata—the first century. Bryologist 81(3): 411–415.
- Hoe, W.J. 1979.** Additional new and noteworthy records for Hawaiian mosses—5. Bryologist 82(1): 79–82.
- Hofmann, H. 1997.** A monograph of the genus *Palamocladium* (Brachytheciaceae, Musci). Lindbergia 22(1): 3–20.
- Horton, D. 1983.** A revision of the Encalyptaceae (Musci), with particular reference to the North American taxa. Part II. Journal of the Hattori Botanical Laboratory 57: 353–532.
- Hyvönen, J. 1986.** Bryophyte flora of the Huon Peninsula, Papua New Guinea. XVIII. Polytrichaceae and Buxbaumiaceae (Musci). Acta Botanica Fennica 133: 107–149.
- Ignatov, M.S., and O.M. Afonina. 1992.** Checklist of mosses of the former USSR. Arctoa 1(1–2): 1–85. [cf. pp. 21, 23 *Bryum mildeanum* and synonyms]
- Ignatov, M.S., and S. Huttunen. 2002.** Brachytheciaceae (Bryophyta)—a family of sibling genera. Arctoa 11: 245–296.
- Ireland, R.R. 2001.** *Buckiella*, a new genus in the Hypnaceae (Musci). Novon 11: 55–62.
- Iwatsuki, Z. 1987.** Notes on *Isopterygium* Mitt. (Plagiotheciaceae). Journal of the Hattori Botanical Laboratory 63: 445–451.
- Karlin, E.F. 2001.** Taxonomy of Hawaiian sphagna. Bryologist 104(2): 290–296.
- Karlin, E.F., and R.E. Andrus. 1995.** The sphagna of Hawaii. Bryologist 98(2): 235–238.
- Koponen, T., A. Touw, and D.H. Norris. 1986.** Bryophyte flora of the Huon Peninsula, Papua New Guinea. XIV. Acta Botanica Fennica 133: 1–24.
- Kruijer, J.D. 2002.** Hypopterygiaceae of the World. Blumea, Supplement 13: 1–388.
- Kürschner, H. 2000.** Bryophyte flora of the Arabian Peninsula and Socotra. Bryophytorum Bibliotheca 55: 1–131.
- Lewinsky, J. 1993.** The genus *Orthotrichum* Hedw. (Musci) in Hawaii. Bryobrothera 2: 61–69.
- Miller, H.A. 1967.** Oddments of Hawaiian bryology. Journal of the Hattori Botanical Laboratory 30: 271–276.
- Miller, H.A., H.O. Whittier, and B.A. Whittier. 1978.** Prodrum florae muscorum Polynesiae, with a key to genera. Bryophytorum Bibliotheca 16: 1–334.
- Mohamed, M.A.H. 1979.** A taxonomic study of *Bryum billardieri* Schwaegr. and related species. Journal of Bryology 10: 401–465 [421–426].
- Muñoz, J. 1998.** Materials toward a revision of *Grimmia* (Musci: Grimmiaceae): nomenclature and taxonomy of *Grimmia longirostris*. Annals of the Missouri Botanical Garden 85(2): 352–363.
- Muñoz, J., and F. Pando. 2000.** A world synopsis of the genus *Grimmia* (Musci, Grimmiaceae). Monographs in systematic botany from the Missouri Botanical Garden 83: 1–133.
- Nishimura, N. 1985.** A revision of the genus *Ctenidium* (Musci). Journal of the Hattori Botanical Laboratory 58: 1–82.
- Noguchi, A. 1976.** A taxonomic revision of the family Meteoriaceae of Asia. Journal of the Hattori Botanical Laboratory 41: 231–357.
- Norris, D.H., and T. Koponen. 1989.** Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXVIII. Acta Botanica Fennica 137: 81–138.
- Ochi, H. 1974.** Some Bryaceous „Old World“ mosses, also distributed in the New World. Journal of the Faculty of Education, Tottori University, Natural Sciences 25(1–2): 35–41.

- Ochi, H. 1980.** A revision of the Neotropical Bryoideae, Musci (first part). Journal of the Faculty of Education, Tottori University, Natural Sciences 29(2): 49–154 (see p. 100).
- Olson, S.L. 1999a.** Muscis Hawaiiensis Mantissae I: Two weedy species of *Bryum* new to the archipelago. Tropical Bryology 17: 129–130.
- Olson, S.L. 1999b.** Muscis Hawaiiensis Mantissae II. *Neckeropsis obtusata* (Mont.) Fleisch. restored to the flora of the archipelago. Tropical Bryology 17: 131–132.
- Orbán, S., and W.D. Reese. 1986.** Notes on the taxonomy of African *Syrrhopodon*. Abstracta Botanica 10: 349–355.
- Pursell, R.A. 1997.** Taxonomic notes on neotropical *Fissidens*. II. An addendum. Bryologist 100(2): 193–197.
- Pursell, R.A., and W.J. Hoe. 1977.** *Fissidens* in Hawaii. Journal of the Hattori Botanical Laboratory 43: 81–106.
- Reese, W.D., T. Koponen, and D.H. Norris. 1986.** Bryophyte flora of the Huon Peninsula, Papua New Guinea. XIX. Acta Botanica Fennica 133: 151–202.
- Schultze-Motel, W. 1963.** Beitrag zur Kenntnis der Laubmoose der Hawaii-Inseln. Willdenowia 3: 97–107.
- Shaw, A.J., and B. Goffinet (eds.). 2000.** Bryophyte Biology. Cambridge University Press, New York, x + 476 pp.
- Shaw, J. 1985.** Nomenclatural changes in the Bryaceae subfamily Mielichhoferioideae. Bryologist 88(1): 28–30.
- Sollman, P. 1984.** Notes on pottiaceous mosses II. Lindbergia 10(1): 53–56.
- Spence, J.R. 1996.** *Rosulabryum* genus novum (Bryaceae). Bryologist 99(2): 221–225.
- Streimann, H. 1993.** *Barbella trichophora*, an older name for *B. cubensis* (Musci: Meteroriaceae). Bryologist 96: 223–225.
- Tan, B.C. 1984.** Additional notes on Asiatic and Pacific taxa of Meteoriaceae. Yushania 1(4): 7–12.
- Tan, B.C., and Z. Iwatsuki. 1991.** A new annotated Philippine moss checklist. Harvard Papers in Botany 3: 1–64.
- Tan, B.C., and Y. Jia. 1999.** A preliminary revision of Chinese Sematophyllaceae. Journal of the Hattori Botanical Laboratory 86: 1–70.
- Tan, B.C., and T. Koponen. 1989.** Additions and corrections for Philippine moss flora. Cryptogamie, Bryologie-Lichénologie 10(3): 235–245.
- Tangney, R.S. 1997.** A taxonomic revision of the genus *Camptochaete* Reichdt., Lembophyllaceae (Musci). Journal of the Hattori Botanical Laboratory 81: 53–121.
- Tixier, P. 1988.** Le genre *Glossadelphus* Fleisch. (Sematophyllaceae, Musci) et sa valeur. Nova Hedwigia 46(3–4): 319–356.
- Touw, A. 2001.** A taxonomic revision of the Thuidiaceae (Musci) of tropical Asia, the western Pacific, and Hawaii. Journal of the Hattori Botanical Laboratory 91: 1–136.
- Virtanen, V. 1997.** The genus *Breutelia* (Bartramiaceae, Musci) in Southeast Asia and Oceania. Bryologist 100(3): 324–348.
- Vitt, D.H. 1980a.** A comparative study of *Andreaea acutifolia*, *A. mutabilis*, and *A. rupestris*. New Zealand Journal of Botany 18: 367–377.
- Vitt, D.H. 1980b.** The genus *Macrocoma* I. Typification of names and taxonomy of the species. Bryologist 83(4): 405–436.
- Vitt, D.H. 1981.** The genus *Macrocoma* II. Geographical variation in the *Macrocoma tenue*—*M. sullivantii* species complex. Bryologist 83(4): 437–450.
- Vitt, D.H. 1983.** The New Zealand species of the pantropical genus *Macromitrium* (Orthotrichaceae: Musci): taxonomy, phylogeny and phytogeography. Journal of the Hattori Botanical Laboratory 54: 1–94.
- Vitt, D.H., and W.J. Hoe. 1980.** *Andreaea* in Hawaii. Bryologist 83(2): 212–214.
- W³MOST data base.** <http://mobot.mobot.org/W3T/Search/most.html> Missouri Botanical Garden, St. Louis MO.
- Watanabe, R., and Z. Iwatsuki. 1981.** New name for *Haplocladium* (C. Muell.) C. Muell. (Musci). Journal of Japanese Botany 56(8): 259–261.
- Wichman, J.R., and H. St. John. 1990.** A chronicle and flora of Niihau. National Tropical Botanical Garden, Lawai, Kauai, HI, 157 pp.
- Wilczek, R., and F. Demaret. 1976.** *Bryum flavituber* Wilczek & Demaret, espèce nouvelle des Iles Hawaii. Bulletin de la Jardin Botanique National de Belgique 46: 407–408.

- Zander, R.H. 1977.** The tribe Pleuroweisieae (Pottiaceae, Musci) in Middle America. *Bryologist* 80(2): 233–269.
- Zander, R.H. 1978.** New combinations in *Didymodon* (Musci) and a key to the taxa in North America north of Mexico. *Phytologia* 41(1): 11–32.
- Zander, R.H. 1982.** *Oxystegus tenuirostris* var. *stenocarpus* (Thér.) Zander includes *Trichostomum spirale* Grout. *Miscellanea Bryologica et Lichenologica* 9(4): 72–74.
- Zander, R.H. 1993.** Genera of Pottiaceae: mosses of harsh environments. *Bulletin of the Buffalo Society of Natural Sciences* 32: i–vi, 1–378.
- Zander, R.H., and P.M. Eckel. 1982.** *Hymenostylium recurvirostrum* var. *insigne* and *Barbula amplexifolia* in British Columbia, Canada. *Canadian Journal of Botany* 60: 1596–1600.
- Zander, R.H., and W.J. Hoe. 1979.** Geographic disjunction and heterophylly in *Tortella fragilis* var. *tortelloides* (= *Sarconeurum tortelloides*). *Bryologist* 82(1): 84–87.
- Zander, R.H., and D.H. Vitt. 1979.** Gametophytic distinctions of *Zygodon* (Orthotrichaceae) and *Anoetangium* and *Leptodontium* (Pottiaceae) and the status of *Anoetangium rubrigemmium* of Hawaii. *Canadian Journal of Botany* 57(3): 292–296.
- Zanten, B.O. van. 1959.** Trachypodaceae—a critical revision. *Blumea* 9(2): 477–575.
- Zanten, B.O. van. 1971.** Musci. Pp. 173–227. In Zinderen-Bakker, E.M. van, J.M. Winterbottom, and R.A. Dyer (eds.), *Marion and Prince Edward Islands*. A. A. Balkema, Cape Town.
- Zilstra, G. 1990.** Report of the Committee for Bryophyta: I. *Taxon* 39(2): 289–292.

Island abbreviations: **Ni** Ni‘ihau; **K** Kaua‘i; **O** O‘ahu; **Mo** Moloka‘i; **M** Maui; **Ka** Kahoolawe; **H** Hawai‘i.

FullName	STATUS	NI	K	O	MO	L	M	KA	H
ACROPORIUM Mitt. (Sematophyllaceae)									
<i>Acroporium fuscoflavum</i> (Paris) Broth. [Hoe 1974, Miller et al. 1978]	ind		K	O	Mo	L	M		H
<i>Acroporium fuscoflavum</i> (Paris) Broth. var. <i>baldwinii</i> (Paris) Broth.									
? <i>Acroporium sigmatodontium</i> misapplied									
AEROBRYOPSIS M.Fleisch. (Metoriaceae)									
<i>Aerobryopsis subdivergens</i> (Broth.) Broth. ssp. <i>scariosa</i> (E.B.Bartram) Nog. [Hoe 1974, Noguchi 1976]	ind		K	O	Mo		M		
<i>Aerobryopsis scariosa</i> E.B.Bartram									
<i>Ptychomnion aciculare</i> misapplied									
<i>Aerobryopsis wallichii</i> (Brid.) M.Fleisch. [Hoe 1974, Noguchi 1976]	ind		K	O	Mo	L	M		H
<i>Aerobryopsis longissima</i> (Dozy & Molk.) M.Fleisch.									
<i>Aerobryopsis longissima</i> (Dozy & Molk.) M.Fleisch. var. <i>dozyana</i> M.Fleisch.									
AMPHIDIUM Schimp. (Dicranaceae, or Rhabdoweisiaceae [Shaw & Goffinet 2000])									
<i>Amphidium lapponicum</i> (Hedw.) Schimp. [Hoe 1979]	ind						M		
<i>Amphidium tortuosum</i> (Hornsch.) Cufod. [Frahm et al. 2000, Muñoz & Pando 2000]	ind						M		H
<i>Amphidium cyathicarpum</i> (Mont.) Broth.									
<i>Grimmia haleakalae</i> Reichardt									
<i>Grimmia haliacalae</i> Reichardt									
ANDREAEA Hedw. (Andreaeaceae)									
<i>Andreaea acutifolia</i> Hook. F. & Wilson ssp. <i>acuminata</i> (Mitt.) Vitt [Vitt 1980a, Vitt & Hoe 1980]	ind						M		H
<i>Andreaea acuminata</i> Mitt.									
<i>Andreaea rupestris</i> Hedw. [Hoe 1977, Hoe 1979, Vitt 1980a, Vitt & Hoe 1980]	ind						M		
<i>Andreaea perpapillosa</i> Broth.									
ANOECTANGIUM Schwägr. (Pottiaceae)									
<i>Anoectangium aestivum</i> (Hedw.) Mitt. [Hoe 1974, Zander 1977, Zander & Vitt 1979]	ind		K	O	Mo	L	M		H
<i>Anoectangium euchloron</i> (Schwägr.) Mitt.									
<i>Anoectangium haleakalae</i> (Müll.Hal.) Paris var. <i>haleakalae</i>									
<i>Anoectangium haleakalae</i> (Müll.Hal.) Paris var. <i>laxulum</i> E.B.Bartram									
<i>Anoectangium harttiae</i> E.B.Bartram									
ANOMOBRYUM Schimp. (Bryaceae)									
<i>Anomobryum angustirete</i> Broth. [Hoe 1974]	end		K				L	M	

FullName	STATUS	NI	K	O	MO	L	M	KA	H
BALDWINIELLA M.Fleisch. (Neckeraceae)									
<i>Baldwiniella kealeensis</i> (Reichardt) E.B.Bartram [Hoe 1974, Hoe 1975]	end		K	O	Mo	L	M		H
BARBELLOPSIS Broth. (Meteoriaceae)									
<i>Barbellopsis trichophora</i> (Mont.) W.R.Buck [Hoe 1974, Streimann 1993, Buck 1998] <i>Barbella trichophora</i> (Mont.) M.Fleisch.	ind		K	O	Mo		M		H
BARBULA Hedw. (Pottiaceae)									
<i>Barbula indica</i> (Hook.) Spreng. [Hoe 1978, Zander 1993, Darigo 1996] <i>Barbula cruegeri</i> Sond. ex Müll.Hal. <i>Barbula unguiculata</i> misapplied	nat			O			M		
BARTRAMIA Hedw. (Bartramiaceae)									
<i>Bartramia baldwinii</i> Müll.Hal. [Hoe 1974]	end						M		
<i>Bartramia halleriana</i> Hedw. [Hoe 1974]	ind						M		
BRACHYMENIUM Schwägr. (Bryaceae)									
<i>Brachymenium exile</i> (Dozy & Molk.) Bosch & Sande Lac. [Hoe 1974]	ind		K	O	Mo		M		H
<i>Brachymenium indicum</i> (Dozy & Molk.) Bosch & Sande Lac. [Hoe 1979]	ind			O					H
BRACHYTHECIUM Schimp. (Brachytheciaceae)									
<i>Brachythecium hawaiicum</i> E.B.Bartram [Hoe 1974]	end						M		H
<i>Brachythecium lamprocarpum</i> (Müll.Hal.) A.Jaeger [Hoe 1974]	ind		K				M		H
<i>Brachythecium plumosum</i> (Hedw.) B.S.G. [Hoe 1974] <i>Brachythecium oxyrrhynchum</i> (Dozy & Molk.) A.Jaeger <i>Cirriphyllum oxyrrhynchum</i> (Dozy & Molk.) M.Fleisch.	ind		K	O	Mo		M		H
<i>Brachythecium rutabulum</i> (Hedw.) B.S.G. [Hoe 1974]	ind						M		
BREUTELIA (Bruch & Schimp.) Schimp. (Bartramiaceae)									
<i>Breutelia affinis</i> (Hook.) Mitt. [Hoe 1974, Virtanen 1997] <i>Breutelia kilaueae</i> (Müll.Hal.) Broth.	ind								H
<i>Breutelia arundinifolia</i> (Duby) M.Fleisch. [Hoe 1974, Virtanen 1997]	ind		K	O			M		H
<i>Breutelia crassicaulis</i> (Müll.Hal.) Paris [Virtanen 1997]	ind						M		H
BRYOERYTHROPHYLLUM P.C.Chen (Pottiaceae)									
<i>Bryoerythrophyllum recurvirostre</i> (Hedw.) P.C.Chen [Hoe 1974] <i>Didymodon recurvirostris</i> (Hedw.) Jenn.	ind						M		

FullName	STATUS	NI	K	O	MO	L	M	KA	H
BRYUM Hedw. (Bryaceae)									
<i>Bryum argenteum</i> Hedw. [Hoe 1974, Miller et al. 1978, Tan & Koponen 1989] <i>Bryum argenteum</i> Hedw. var. <i>lanatum</i> (P. Beauv.) Hampe <i>Bryum leucophyllum</i> Dozy & Molk.	ind		K	O			M		H
<i>Bryum atrovirens</i> Brid. [Hoe 1974] <i>Bryum erythrocarpum</i> Schwägr.	ind			O			M		H
<i>Bryum baldwinii</i> Broth. [Hoe 1974]	end						M		
<i>Bryum caespiticium</i> Hedw. [Hoe 1974]	ind						M		H
<i>Bryum chrysoneuron</i> Müll.Hal. [Miller et al. 1978]	ind								H
<i>Bryum conicum</i> Hornsch. [Ochi 1980] <i>Bryum ceramiocarpum</i> Müll.Hal.	ind						M		
<i>Bryum flavituber</i> R.Wilczek & Demaret [Wilczek & Demaret 1976]	nat			O					
<i>Bryum hawaiiicum</i> Hoe [Hoe 1974] <i>Bryum crassicostatum</i> Broth.	end						M		H
<i>Bryum klinggraeffii</i> Schimp. [Hoe 1979]	nat			O					
<i>Bryum lisae</i> De Not. var. <i>cuspidatum</i> (Bruch & Schimp.) Margad. [Olson 1999a]	nat			O					
<i>Bryum mildeanum</i> Jur. [Hoe 1974, Ochi 1974, Hoe 1979, Ignatov & Afonina 1992] <i>Bryum apiculatum</i> Schwägr. <i>Bryum mauiensis</i> Broth. <i>Bryum megalostegium</i> Sull. <i>Bryum nitens</i> Hook.	ind		K	O		L	M		
<i>Bryum pseudocapillare</i> Besch. [Hoe 1975]	nat?			O					
<i>Bryum radiculosum</i> Brid. [Olson 1999a]	nat		K						
BUCKIELLA Ireland (Hypnaceae)									
<i>Buckiella draytonii</i> (Sull.) Ireland [Hoe 1974, Ireland 2001] <i>Hypnum draytonii</i> (i) Sull. <i>Hypnum eudorae</i> Sull. <i>Plagiothecium draytonii</i> (Sull.) Müll.Hal.	end		K	O	Mo		M		H
CALYMPERES Sw. (Calymperaceae)									
<i>Calymperes fasciculatum</i> Dozy & Molk. [Hoe 1974, Reese et al. 1986] <i>Calymperes hawaiiense</i> E.B.Bartram	ind			O					
<i>Calymperes tenerum</i> Müll.Hal. [Hoe 1974]	ind		K	O	Mo		M		H
CAMPTOCHAETE Reichardt (Lembophyllaceae)									
<i>Camptochaete pulvinata</i> (Hook.f. & Wilson) A.Jaeger [Hoe 1974, Tangney 1997]	ind						M		
CAMPYLOPODIUM (Müll.Hal.) Besch. (Dicranaceae)									
<i>Campylopodium medium</i> (Duby) Giese & J.-P.Frahm	ind		K	O	Mo		M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
[Hoe 1974, Giese & Frahm 1985] <i>Campylopodium euphorocladum</i> (Müll.Hal.) Besch.									
CAMPYLOPUS Brid. (Dicranaceae)									
<i>Campylopus exasperatus</i> (Nees & Blume) Brid. [Frahm 1991]	ind		K						
<i>Campylopus fragilis</i> (Brid.) Bruch. & Schimp. ssp. <i>zollingerianus</i> (Müll.Hal.) J.-P.Frahm [Hoe 1974, Frahm 1991, Frahm 1992] <i>Campylopus boswellii</i> (Müll.Hal.) Paris <i>Campylopus boswellii</i> (Müll.Hal.) Paris var. <i>capitulatus</i> E.B.Bartram	ind		K	O	Mo		M		
<i>Campylopus hawaiicus</i> (Müll.Hal.) A.Jaeger var. <i>densifolius</i> (Ångstr.) J.-P.Frahm [Frahm 1978, Frahm 1991] <i>Campylopus densifolius</i> Ångstr. <i>Campylopus densiretis</i> Broth. <i>Campylopus wawreanus</i> Reichardt	end		K	O	Mo		M		H
<i>Campylopus hawaiicus</i> (Müll.Hal.) A.Jaeger var. <i>hawaiicoflexuosus</i> (Müll.Hal.) J.-P.Frahm [Frahm 1978, Frahm 1991] <i>Campylopus densifolius</i> Ångstr. var. <i>falcatus</i> Broth. <i>Campylopus densifolius</i> Ångstr. var. <i>hawaiicoflexuosus</i> (Müll.Hal.) H.A.Mill. <i>Campylopus hawaiicoflexuosus</i> (Müll.Hal.) Müll.Hal. <i>Campylopus hawaiicoflexuosus</i> (Müll.Hal.) Paris <i>Campylopus perangustifolius</i> Müll.Hal. <i>Campylopus purpureoflavescens</i> Hampe, in part <i>Dicranum hawaiicoflexuosum</i> Müll.Hal.	end		K	O	Mo	L	M		H
<i>Campylopus hawaiicus</i> (Müll.Hal.) A.Jaeger var. <i>hawaiicus</i> [Frahm 1978, Frahm 1991] <i>Campylopus densifolius</i> Ångstr. var. <i>purpureoflavescens</i> (Hampe ex Müll.Hal.) H.A.Mill. <i>Campylopus purpureoflavescens</i> Hampe, in part <i>Dicranum hawaiicum</i> Müll.Hal.	ind		K	O	Mo	L	M		H
<i>Campylopus incurvatus</i> J.-P.Frahm & Hoe [Frahm & Hoe 1978, Frahm 1991]	end						M		H
<i>Campylopus laxitextus</i> Sande Lac. [Hoe 1974, Frahm 1991] <i>Campylopus fumarioli</i> Müll.Hal.	ind		K	O	Mo	L	M		H
<i>Campylopus praemorsus</i> (Müll.Hal.) A.Jaeger [Frahm 1976, Hoe 1979, Frahm 1991] <i>Campylopus exasperatus</i> (Nees & Blume) Brid. <i>Campylopus microcephalus</i> (Müll.Hal.) Paris <i>Dicranum microcephalum</i> Müll.Hal. <i>Dicranum praemorsum</i> Müll.Hal.	end		K	O		L	M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
<i>Campylopus schmidii</i> (Müll.Hal.) A.Jaeger ssp. <i>hemitrichius</i> (Müll.Hal.) J.-P.Frahm [Hoe 1974, Frahm 1991] <i>Campylopus skottsbergii</i> Broth. <i>Campylopus tubulosus</i> E.B.Bartram <i>Dicranum skottsbergii</i> Broth.	ind		K	O			M		H
<i>Campylopus schmidii</i> (Müll.Hal.) A.Jaeger ssp. <i>schmidii</i> [Hoe 1974, Hoe 1977, Frahm 1991] <i>Campylopus aureus</i> Bosch & Sande Lac. <i>Campylopus introflexus</i> misapplied <i>Campylopus introflexus</i> (Hedw.) Brid. var. <i>polytrichoides</i> misapplied <i>Campylopus polytrichoides</i> misapplied	ind		K	O			M		H
<i>Campylopus umbellatus</i> (Arn.) Paris var. <i>pterotoneuron</i> (Müll.Hal.) J.-P.Frahm [Hoe 1974, Frahm 1991] <i>Campylopus geniculatus</i> Ångstr.	ind			O					
<i>Campylopus umbellatus</i> (Arn.) Paris var. <i>umbellatus</i> [Hoe 1974, Frahm 1991] ? <i>Campylopus didrichsenii</i> (Müll.Hal.) A.Jaeger ? <i>Campylopus pertristis</i> (Müll.Hal.) Paris <i>Campylopus richardii</i> misapplied <i>Campylopus sandwicensis</i> Paris <i>Campylopus umbellatus</i> (Arn.) E.B.Bartram <i>Dicranum didrichsenii</i> Müll.Hal. <i>Dicranum pertriste</i> Müll.Hal. <i>Thysanomitrium hawaiiicum</i> Müll.Hal. <i>Thysanomitrium umbellatum</i> Arn.	ind		K	O		L	M		H
<i>Campylopus wheeleri</i> (Müll.Hal.) Paris [Hoe 1974, Frahm 1991] <i>Dicranoloma wheeleri</i> (Müll.Hal.) Paris <i>Dicranum wheeleri</i> Hampe ex Müll.Hal.	end		K				M		H
CERATODON Brid. (Ditrichaceae)									
<i>Ceratodon purpureus</i> (Hedw.) Brid. ssp. <i>purpureus</i> [Hoe 1974, Hoe 1977, Miller et al. 1978, Burley & Pritchard 1990] <i>Ceratodon purpureus</i> (Hedw.) Brid. fma. <i>purpureus</i> <i>Ceratodon purpureus</i> (Hedw.) Brid. fma. <i>xanthopus</i> (Sull.) E.Britton ex Grout	ind		K	O			M		H
CHENIA R.H.Zander (Pottiaceae)									
<i>Chenia leptophylla</i> (Müll.Hal.) R.H.Zander [Hoe 1974, Zander 1993] <i>Tortula rhizophylla</i> (Sakurai) Z.Iwats. & K.Saito <i>Tortula vectensis</i> E.F.Warb. & Crundw.	nat			O					
CLAPODIUM (Lesq. & James) Renauld & Cardot (Thuidiaceae, or Leskeaceae [Shaw & Goffinet 2000])									
<i>Claopodium prionophyllum</i> (Müll. Hal.) Broth. [Hoe 1974]	ind			O	Mo		M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
<i>Claopodium amblystegioides</i> Dixon									
<i>Claopodium nervosum</i> M.Fleisch.									
<i>Claopodium whippleanum</i> (Sull.) Renauld & Cardot [Hoe 1974]	ind		K	O				M	
<i>Claopodium hawaiiense</i> R.S.Williams									
CLASTOBRYOPSIS M.Fleisch. (Sematophyllaceae)									
<i>Clastobryopsis robusta</i> (Broth.) M.Fleisch. [Hoe 1974, Tan & Jia 1999]	ind		K					M	
<i>Aptychella robusta</i> (Broth.) M.Fleisch.									
CTENIDIUM (Schimp.) Mitt. (Hypnaceae)									
<i>Ctenidium elegantulum</i> Broth. [Hoe 1974, Nishimura 1985]	end			O				M	H
CYRTOPIUS (Brid.) Hook.f. (Cyrtopodaceae)									
<i>Cyrtopus setosus</i> (Hedw.) Hook.f. [Hoe 1974]	ind								H
DALTONIA Hook. & Taylor (Hookeriaceae, or Daltoniaceae [Shaw & Goffinet 2000])									
<i>Daltonia baldwinii</i> Broth. [Hoe 1974]	end							M	H
<i>Daltonia contorta</i> Müll.Hal. [Hoe 1974, Hoe 1979]	ind		K	O	Mo	L		M	H
<i>Daltonia pseudostenophylla</i> E.B.Bartram [Hoe 1974]	ind			O				M	H
<i>Daltonia rufescens</i> Broth. [Hoe 1974]	ind			O				M	H
DICRANELLA (Müll.Hal.) Schimp. (Dicranaceae)									
<i>Dicranella exilis</i> Sull. [Hoe 1974]	end							M	
<i>Dicranella hawaiiica</i> (Müll.Hal.) Broth. var. <i>hawaiiica</i> [Hoe 1974]	end		K		Mo			M	
<i>Microdus hawaiiicus</i> (Müll.Hal.) Paris									
<i>Dicranella hawaiiica</i> (Müll.Hal.) Broth. var. <i>tomentella</i> E.B.Bartram [Hoe 1974]	end			O				M	
<i>Dicranella hochreutineri</i> Cardot [Hoe 1974]	ind		K	O		L		M	H
<i>Dicranella hochreuteri</i> misapplied									
<i>Dicranella integrifolia</i> E.B.Bartram [Hoe 1974]	end			O	Mo			M	H
<i>Dicranella rigidula</i> E.B.Bartram [Hoe 1974]	end		K	O					H
DICRANODONTIUM Bruch & Schimp. (Dicranaceae)									
<i>Dicranodontium denudatum</i> (Brid.) E.Britton [Hoe 1974]	ind							M	
<i>Dicranodontium falcatum</i> Broth. var. <i>atrovirens</i> (Broth.) E.B.Bartram [Hoe 1974]	end							M	H
<i>Dicranodontium porodictyon</i> Cardot & Thér. [Hoe 1974, Hoe 1979, Frahm 1997]	ind		K	O	Mo			M	H
<i>Dicranodontium falcatum</i> Broth. var. <i>falcatum</i>									
<i>Dicranodontium hawaiiicum</i> Broth.									
DICRANOLOMA (Renauld) Renauld (Dicranaceae)									
<i>Dicranoloma gracile</i> Broth. ex E.B.Bartram [Hoe 1974]	end							M	

FullName	STATUS	NI	K	O	MO	L	M	KA	H
DICRANOWEISIA Milde (Dicranaceae, or Rhabdoweisiaceae [Shaw & Goffinet 2000])									
<i>Dicranoweisia cirrata</i> (Hedw.) Lindb. [Hoe 1974, Miller et al. 1978]	ind								H?
DICRANUM Hedw. (Dicranaceae)									
<i>Dicranum speirophyllum</i> Mont. var. <i>breviflagellare</i> (Müll.Hal.) E.B.Bartram [Hoe 1974]	end			O			M		H
<i>Dicranum speirophyllum</i> Mont. var. <i>condensatum</i> (Sull.) Wijk & Margad. [Hoe 1974]	end								H
<i>Dicranum speirophyllum</i> Mont. var. <i>elongatum</i> (Sull.) Wijk & Margad. [Hoe 1974]	end						M		
<i>Dicranum speirophyllum</i> Mont. var. <i>speirophyllum</i> [Hoe 1974]	end		K	O	Mo		M		H
DIDYMODON Hedw. (Pottiaceae)									
<i>Didymodon insulanus</i> (De Not.) M.O.Hill [Hoe 1974, Zander 1978, Corley et al. 1981] <i>Barbula vinealis</i> Brid. var. <i>cylindrica</i> (Taylor) Boulay <i>Barbula vinealis</i> Brid. var. <i>flaccida</i> B.S.G. <i>Didymodon vinealis</i> (Brid.) R.H.Zander var. <i>flaccidus</i> (Bruch & Schimp.) R.H.Zander	ind			O			M		
DISTICHIUM Bruch & Schimp. (Ditrichaceae)									
<i>Distichium capillaceum</i> (Hedw.) B.S.G. [Hoe 1974]	ind								H
DISTICHOPHYLLUM Dozy & Molk. (Hookeriaceae, or Daltoniaceae [Shaw & Goffinet 2000])									
<i>Distichophyllum freycinetii</i> (Schwägr.) Mitt. var. <i>crasseturgescens</i> (Müll.Hal.) E.B.Bartram ex Hoe [Hoe 1974] <i>Mniadelphus freycineti</i> (Schwägr.) Müll.Hal. var. <i>crasseturgescens</i> Müll.Hal.	end								
<i>Distichophyllum freycinetii</i> (Schwägr.) Mitt. var. <i>freycinetii</i> [Hoe 1974]	end		K	O	Mo	L	M		H
<i>Distichophyllum paradoxum</i> (Mont.) Mitt. [Hoe 1974]	end		K	O	Mo	L	M		H
ECTROPOTHECIUM Mitt. (Hypnaceae)									
<i>Ectropothecium arcuatum</i> Mitt. [Hoe 1974]	end		K	O			M		H
<i>Ectropothecium decurrens</i> (Sull.) Nishimura [Hoe 1974, Nishimura 1985] <i>Ctenidium decurrens</i> (Sull.) Broth. <i>Ctenidium pulcherrimum</i> Broth. <i>Ctenidium submalacobolum</i> Broth. <i>Cupressina decurrens</i> (Sull.) Müll.Hal. <i>Ectropothecium rockii</i> Broth. <i>Hypnum decurrens</i> Sull.	end		K	O	Mo		M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
<i>Stereodon decurrens</i> (Sull.) Mitt.									
<i>Taxiphyllum gracile</i> Broth.									
<i>Ectropothecium sandwichense</i> (Hook. & Arn.) Mitt. [Hoe 1974, Hoe 1979]	ind		K	O	Mo	L	M		H
<i>Ectropothecium tutuilum</i> (Sull.) Mitt. [Miller et al. 1978]	ind								H
<i>Ectropothecium viridifolium</i> E.B.Bartram [Hoe 1974, Wichman & St. John 1990]	end	Ni		O		L	M		
<i>Ectropothecium zollingeri</i> (Müll. Hal.) A.Jaeger var. <i>filicaule</i> (M.Fleisch.) H.A.Mill., H.Whittier & B.Whittier [Hoe 1974, Hoe 1975, Miller et al. 1978] <i>Glossadelphus zollingeri</i> (Müll.Hal.) M.Fleisch. var. <i>filicaulis</i> (M.Fleisch.) M.Fleisch.	ind		K	O	Mo	L	M		H
ENCALYPTA Hedw. (Encalyptaceae)									
<i>Encalypta ciliata</i> Hedw. [Horton 1983]	ind						M		H
<i>Encalypta scabrata</i> E.B.Bartram									
<i>Encalypta rhabdocarpa</i> Schwägr. [Hoe 1974]	ind								H
<i>Encalypta rhabdocarpa</i> misapplied									
<i>Encalypta sandwicensis</i> Sull. [Hoe 1974, Hoe 1977]	ind						M		H
ENTODON Müll.Hal. (Entodontaceae)									
<i>Entodon plicatus</i> Müll.Hal. [Hoe 1974, Buck 1990]	ind		K	O			M		H
<i>Entodon hillebrandii</i> Müll.Hal.									
<i>Entodon solanderi</i> (Ångstr.) A.Jaeger									
<i>Entodon subcuspidatus</i> (Müll.Hal.) E.B.Bartram [Hoe 1974, Hoe 1979]	ind		K		Mo		M		
ENTODONTOPSIS Broth. (Stereophyllaceae)									
<i>Entodontopsis anceps</i> (Bosch & Sande Lac.) W.R.Buck & Ireland [Hoe 1974, Buck & Ireland 1985] <i>Stereophyllum oahuense</i> Broth.	ind			O					
ENTOSTHODON Schwägr. (Funariaceae)									
<i>Entosthodon subintegrus</i> (Broth.) H.A.Mill., H.Whittier & B.Whittier [Miller et al. 1978] <i>Funaria subintegra</i> Broth.	end		K	O	Mo	L	M		H
FABRONIA Raddi (Fabroniaceae)									
<i>Fabronia ciliaris</i> (Brid.) Brid. [Hoe 1977]	ind						M		
<i>Fabronia degeneri</i> E.B.Bartram [Hoe 1974]	end			O	Mo				H
<i>Fabronia nietneri</i> Müll.Hal. [Hoe 1974, Hoe 1975]	ind		K	O			M		H
FISSIDENS Hedw. (Fissidentaceae)									
<i>Fissidens aphelotaxifolius</i> Pursell [Pursell & Hoe 1977]	ind						M		
<i>Fissidens bryoides</i> Hedw. [Pursell & Hoe 1977] <i>Fissidens hawaiiicus</i> E.B.Bartram <i>Fissidens insularis</i> E.B.Bartram <i>Fissidens oahuensis</i> E.B.Bartram	ind		K	O	Mo	L	M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
<i>Fissidens delicatulus</i> Ångstr. [Pursell & Hoe 1977]	end		K	O		L	M		H
<i>Fissidens elegans</i> Brid. [Pursell & Hoe 1977]	ind		K	O	Mo	L	M		H
<i>Fissidens baldwinii</i> Broth.									
<i>Fissidens bishopii</i> Hoe									
<i>Fissidens hoei</i> Pursell [Pursell & Hoe 1977]	end			O		L			
<i>Fissidens kilaueae</i> Hoe & H.A.Crum [Pursell & Hoe 1977]	end		K	O		L	M		H
<i>Fissidens lancifolius</i> E.B.Bartram [Pursell & Hoe 1977]	end		K	O	Mo	L	M		H
<i>Fissidens lindbergii</i> Mitt. [Pursell & Hoe 1977, Darigo 1996, Pursell 1997]	nat			O			M		
<i>Fissidens crumii</i> Hoe									
<i>Fissidens nothotaxifolius</i> Pursell & Hoe [Pursell & Hoe 1977]	end		K	O	Mo	L	M		H
<i>Fissidens pacificus</i> Ångstr. [Hoe 1974, Pursell & Hoe 1977]	end		K	O			M		H
<i>Fissidens mauiensis</i> Müll.Hal.									
<i>Fissidens submarginatus</i> Bruch [Pursell & Hoe 1977, Hoe 1979, Bruggeman-Nannenga & Pursell 1995]	ind		K	O	Mo	L	M		H
<i>Fissidens intermedius</i> Müll.Hal.									
<i>Fissidens taxifolius</i> Hedw. [Pursell & Hoe 1977]	ind			O			M		
FLORIBUNDARIA M.Fleisch. (Meteoriaceae)									
<i>Floribundaria floribunda</i> (Dozy & Molk.) M.Fleisch. [Hoe 1974, Tan 1984]	ind			O			M		H
<i>Floribundaria baldwinii</i> Broth.									
FUNARIA Hedw. (Funariaceae)									
<i>Funaria hygrometrica</i> Hedw. [Hoe 1974, Hoe 1975]	ind			O					H
GAROVAGLIA Endl. (Pterobryaceae, or Garovagliaceae [Shaw & Goffinet 2000])									
<i>Garovaglia powellii</i> Mitt. var. <i>haleakalae</i> (Broth.) During [During 1977]	ind						M		
<i>Garovaglia haleakalae</i> Broth.									
GLOSSADELPHUS M.Fleisch. ¹ (Sematophyllaceae)									
<i>Glossadelphus acutifolius</i> E.B.Bartram [Hoe 1974, Tixier 1988]	end						M		
<i>Glossadelphus limnobioides</i> Broth. [Hoe 1974, Tixier 1988]	end			O			M		H
<i>Glossadelphus mauiensis</i> Broth. [Hoe 1974, Tixier 1988]	end						M		
<i>Glossadelphus ogatae</i> Broth. & Yasuda [Hoe 1974, Hoe 1979, Tixier 1988]	ind						M		H
<i>Glossadelphus chrysobasilaris</i> Broth.									

¹ Buck (1987b) reduced the type species of *Glossadelphus* to *Phyllodon* so the genus name is not usable. The correct placement for the 4 species left here remains to be determined.

FullName	STATUS	NI	K	O	MO	L	M	KA	H
GRIMMIA Hedw. (Grimmiaceae)									
<i>Grimmia anodon</i> Bruch & Schimp. [Hoe 1977, Hoe 1979, Muñoz & Pando 2000]	ind						M		H
<i>Grimmia apocarpa</i> Hedw. var. <i>pulvinata</i> (Hedw.) G.N.Jones									
<i>Gymnostomum pulvinatum</i> Hedw.									
<i>Grimmia laevigata</i> (Brid.) Brid. [Hoe 1974, Hoe 1979, Muñoz & Pando 2000]	ind						M		H
<i>Grimmia longirostris</i> Hook. [Hoe 1977, Muñoz 1998]	ind						M		
<i>Grimmia pilifera</i> misapplied									
<i>Grimmia mauriense</i> Greven [Greven 2003]	end						M		H
<i>Grimmia maunakeaense</i> Greven [Greven 2003]	end						M		H
<i>Grimmia pulvinata</i> (Hedw.) Sm. [Muñoz & Pando 2000]	ind						M		
<i>Leersia pulvinata</i> Hedw.									
<i>Grimmia trichophylla</i> Grev. [Hoe 1974, Muñoz & Pando 2000]	ind						M		H
HAGENIELLA Broth. (Sematophyllaceae)									
<i>Hageniella micans</i> (Mitt.) B.C.Tan & Y.Jia [Hoe 1974, Tan & Jia 1999]	ind		K				M		H
<i>Hageniella pacifica</i> Broth.									
HAPLOCLADIUM Müll.Hal. (Leskeaceae)									
<i>Haplocladium microphyllum</i> (Hedw.) Broth. [Hoe 1974, Watanabe & Iwatuski 1981, Zilstra 1990]	ind			O					
<i>Bryohaplocladium microphyllum</i> (Hedw.) R.Watan. & Z.Iwats.									
HAPLOHYMENIUM Dozy & Molk. (Thuidiaceae, or Anomodontaceae [Shaw & Goffinet 2000])									
<i>Haplohymenium triste</i> (Ces.) Kindb. [Hoe 1974, Hoe 1979]	ind		K	O			M		H
HETEROPHYLLIUM (Schimp.) Kindb. (Sematophyllaceae)									
<i>Heterophyllum subauriculatum</i> (Müll.Hal.) Broth. [Hoe 1974]	end						M		H
HOLOMITRIUM Brid. (Dicranaceae)									
<i>Holomitrium seticalycinum</i> Müll.Hal. [Hoe 1974, Hoe 1979]	end		K	O	Mo	L	M		H
<i>Holomitrium squarriifolium</i> E.B.Bartram [Hoe 1974]	end			O					H
<i>Holomitrium ferriei</i> misapplied									
HOMALIODENDRON M.Fleisch. (Neckeraceae)									
<i>Homaliodendron flabellatum</i> (Sm.) M.Fleisch. [Hoe 1974]	ind		K	O	Mo	L	M		H
<i>Homalia densa</i> Bosw.									
<i>Homalia praelonga</i> Reichardt									

FullName	STATUS	NI	K	O	MO	L	M	KA	H
HOOKERIA Sm. (Hookeriaceae)									
<i>Hookeria acutifolia</i> Hook. & Grev. [Hoe 1974, Hoe 1975]	ind			O		L	M		H
HYMENOSTYLIUM Brid. (Pottiaceae)									
<i>Hymenostylium recurvirostrum</i> (Hedw.) Dixon var. <i>cylindricum</i> (E.B.Bartram) R.H.Zander [Zander & Eckel 1982]	ind								H
<i>Merceyopsis crassinervis</i> (Broth.) E.B.Bartram									
<i>Molendoa crassinervis</i> (Broth.) E.B.Bartram									
<i>Hymenostylium recurvirostrum</i> (Hedw.) Dixon var. <i>recurvirostrum</i> [Zander 1993]	ind		K	O			M		H
<i>Hymenostylium firmum</i> (Müll.Hal.) Broth. ex E.B.Bartram									
HYOPHILA Brid. (Pottiaceae)									
<i>Hyophila involuta</i> (Hook.) A.Jaeger [Hoe 1974]	ind		K	O	Mo		M		H
<i>Hyophila dozy-molkenboeri</i> M.Fleisch.									
HYPNUM Hedw. (Hypnaceae)									
<i>Hypnum plumaeforme</i> Wilson [Crum & Mueller-Dombois 1968, Hoe 1974]	nat						M		H
HYOPTERYGIUM Brid. (Hypopterygiaceae)									
<i>Hypopterygium sandwicense</i> Broth. [Hoe 1974, Kruijer 2002]	end						M		H
ISOPTERYGIUM Mitt. (Hypnaceae)									
<i>Isopterygium albescens</i> (Hook.) A.Jaeger [Hoe 1974]	ind		K	O	Mo	L	M		H
<i>Isopterygium vineale</i> E.B.Bartram [Hoe 1974]	end		K	O	Mo		M		H
LEPTOBRYUM (Bruch & Schimp.) Wilson (Bryaceae, or Meesiaceae [Shaw & Goffinet 2000])									
<i>Leptobryum pyriforme</i> (Hedw.) Wilson [Hoe 1974]	ind						M		H
LEPTODONTIUM (Müll.Hal.) Lindb. (Pottiaceae)									
<i>Leptodontium flexifolium</i> (Dicks. ex With.) Hampe [Hoe 1974, Hoe 1977]	ind						M		H
<i>Leptodontium brevicaule</i> E.B.Bartram									
LEUCOBRYUM Hampe (Leucobryaceae)									
<i>Leucobryum gracile</i> Sull. var. <i>gracile</i> [Hoe 1974]	end		K	O	Mo	L	M		H
<i>Leucobryum gracile</i> Sull. var. <i>hamatum</i> E.B.Bartram [Hoe 1974]	end		K	O	Mo		M		
<i>Leucobryum pachyphyllum</i> Müll.Hal. [Hoe 1974]	end		K	O	Mo	L	M		
<i>Leucobryum seemannii</i> Mitt. var. <i>fumarioli</i> (Müll.Hal.) H.A.Mill. [Hoe 1974]	end								H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
<i>Leucobryum hawaiiense</i> (Reichardt) E.B.Bartram var. <i>fumarioli</i> (Müll.Hal.) E.B.Bartram									
<i>Leucobryum solfatarae</i> Müll.Hal. var. <i>fumarioli</i> (Müll.Hal.) Wijk & Margad.									
<i>Leucobryum seemannii</i> Mitt. var. <i>seemannii</i> [Hoe 1974, Hoe 1975]	end		K	O	Mo	L	M		H
<i>Leucobryum hawaiiense</i> (Reichardt) E.B.Bartram									
<i>Leucobryum solfatarae</i> Müll.Hal. var. <i>hawaiiense</i> (Reichardt) Wijk & Marg.									
<i>Leucobryum seemannii</i> Mitt. var. <i>sofatarae</i> (Müll.Hal.) H.A.Mill. [Hoe 1974]	end		K		Mo		M		H
<i>Leucobryum hawaiiense</i> (Reichardt) E.B.Bartram var. <i>sofatarae</i> (Müll.Hal.) E.B.Bartram									
<i>Leucobryum solfatarae</i> Müll.Hal.									
LEUCOLOMA Brid. (Dicranaceae)									
<i>Leucoloma molle</i> (Müll.Hal.) Mitt. [Hoe 1974]	ind			O			M		H
<i>Leucoloma scaberulum</i> E.B.Bartram [Hoe 1974]	end			O					
LEUCOPHANES Brid. (Leucobryaceae, or Calymperaceae [Shaw & Goffinet 2000])									
<i>Leucophanes glaucum</i> (Schwägr.) Mitt. [Hoe 1974]	ind			O					
LIMBELLA (Müll.Hal.) Müll.Hal. (Amblystegiaceae)									
<i>Limbella tricostata</i> (Sull.) Müll.Hal. [Hoe 1974, Christy 1987]	end		K	O	Mo		M		H
<i>Sciaromium tricostatum</i> (Sull.) Mitt.									
MACROCOMA (Müll.Hal.) Grout (Orthotrichaceae)									
<i>Macrocoma tenue</i> (Hook. & Grev.) Vitt ssp. <i>sullivantii</i> (Müll.Hal.) Vitt [Hoe 1974, Vitt 1980b, Vitt 1981]	ind		K	O	Mo		M		H
<i>Macrocoma intricata</i> (Müll.Hal.) H.A.Miller, H.Whittier & B.Whittier									
<i>Macromitrium intricatum</i> Müll.Hal.									
MACROMITRIUM Brid. (Orthotrichaceae)									
<i>Macromitrium brevisetum</i> Mitt. [Hoe 1974, Hoe 1979]	end		K	O	Mo	L	M		H
<i>Macromitrium emersulum</i> Müll.Hal. [Hoe 1974, Hoe 1975]	end		K	O	Mo	L	M		H
<i>Macromitrium incurvifolium</i> (Hook. & Grev.) Schwägr. [Hoe 1974]	ind		K				M		H
<i>Macromitrium cumingii</i> Müll.Hal.									
<i>Macromitrium microstomum</i> (Hook. & Grev.) Schwägr. [Hoe 1974, Vitt 1983]	ind		K	O	Mo	L	M		H
<i>Macromitrium owahiense</i> Müll.Hal.									
<i>Macromitrium reinwardtii</i> Schwägr.									
<i>Macromitrium piliferum</i> Schwägr. [Hoe 1974]	end		K	O	Mo	L	M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
MACROTHAMNIUM M.Fleisch. (Hylocomiaceae)									
<i>Macrothamnium macrocarpum</i> (Reinw. & Hornsch.) M.Fleisch. [Hoe 1974]	ind						M		
MICRODUS Schimp. ex Besch. (Dicranaceae)									
<i>Microdus hillebrandii</i> (Müll.Hal.) Paris [Hoe 1974] <i>Dicranella hillebrandii</i> (Müll.Hal.) Broth.	ind			O	Mo				
MNIOBRYOIDES Hörmann (Bryaceae)									
<i>Mniobryoides degeneriae</i> Hörmann [Hoe 1974]	end								H
MNIUM Hedw. (Mniaceae)									
<i>Mnium marginatum</i> (With.) P.Beauv. [Hoe 1974] <i>Mnium serratum</i> Schrad. ex Brid.	ind						M		
NECKERA Hedw. (Neckeraceae)									
<i>Neckera hawaiicopennata</i> Müll.Hal. [Hoe 1974]	end						M		
NECKEROPSIS Reichardt (Neckeraceae)									
<i>Neckeropsis lepineaana</i> (Mont.) M.Fleisch. [Hoe 1974, Enroth 1989]	ind		K	O			M		
<i>Neckeropsis obtusata</i> (Mont.) Broth. [Olson 1999b]	nat		K						
OCTOBLEPHARUM Hedw. (Leucobryaceae, or Calymperaceae [Shaw & Goffinet 2000])									
<i>Octoblepharum albidum</i> Hedw. [Hoe 1974, Hoe 1975]	ind		K	O	Mo		M		H
ORTHODONTIUM Wilson (Bryaceae, or Orthodontiaceae [Shaw & Goffinet 2000])									
<i>Orthodontium pellucens</i> (Hook.) B.S.G. [Hoe 1974, Hoe 1977]	ind		K				M		
ORTHOTRICHUM Hedw. (Orthotrichaceae)									
<i>Orthotrichum alpestre</i> Hornsch. var. <i>berggrenii</i> (E.B.Bartram) Lewinsky [Hoe 1974, Lewinsky 1993] <i>Orthotrichum berggrenii</i> E.B.Bartram	end			O?					H
<i>Orthotrichum diaphanum</i> Schrad. ex Brid. [Hoe 1974, Hoe 1977, Lewinsky 1993]	ind						M		H
<i>Orthotrichum hawaiicum</i> Müll.Hal. [Hoe 1974]	end						M		H
<i>Orthotrichum incrassatum</i> Lewinsky [Lewinsky 1993]	end								H
<i>Orthotrichum lyellii</i> Hook. & Taylor [Hoe 1974, Lewinsky 1993] <i>Orthotrichum verrucatum</i> Müll.Hal.	ind								
<i>Orthotrichum rupestre</i> Schleich. & Schwägr. [Hoe 1974, Lewinsky 1993] <i>Orthotrichum hillebrandii</i> Müll.Hal.	ind			O			M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
OXYRRHYNCHIUM (Schimp.) Warnst. (Brachytheciaceae)									
<i>Oxyrrhynchium vagans</i> (A.Jaeger) Ignatova & Huttunen [Hoe 1974, Hoe 1975, Ignatov & Huttunen 2002] <i>Eurhynchium vagans</i> (A.Jaeger) E.B.Bartram <i>Rhynchostegium vagans</i> A.Jaeger	ind		K	O	Mo	L	M		H
OXYSTEGUS (Limpr.) Hilp. (Pottiaceae)									
<i>Oxystegus tenuirostris</i> (Hook. & Taylor) A.J.E.Sm. var. <i>gemmiparus</i> (Schimp.) R.H.Zander [Hoe 1977, Hoe 1979, Zander 1982] <i>Trichostomum tenuirostre</i> (Hook. & Taylor) Lindb.	ind		K	O			M		
PALAMOCLADIUM Müll.Hal. (Brachytheciaceae)									
<i>Palamocladium wilkesianum</i> (Sull.) Müll.Hal. [Hoe 1974, Hofmann 1997] <i>Hypnum wilkesianum</i> Sull. <i>Meteorium pallidovirens</i> Müll.Hal. <i>Meteorium sciuroides</i> Müll.Hal. <i>Palamocladium aptychoides</i> Müll.Hal. <i>Palamocladium sciurellum</i> Müll.Hal. <i>Palamocladium wilkesianum</i> (Sull.) Müll.Hal. var. <i>altisetum</i> Müll.Hal. <i>Palamocladium wilkesianum</i> (Sull.) Müll.Hal. var. <i>sciuroides</i> (Müll.Hal.) Wijk & Margad. <i>Pleuropus aptychoides</i> (Müll.Hal.) Broth. <i>Pleuropus pallidovirens</i> (Müll.Hal.) Broth. <i>Pleuropus sciurellus</i> (Müll.Hal.) Broth. <i>Pleuropus wilkesianus</i> (Sull.) Broth. <i>Pleuropus wilkesianus</i> (Sull.) Broth. var. <i>sciuroides</i> (Müll.Hal.) E.B.Bartram	end		K	O	Mo	L	M		H
PELEKIUM Mitt. (Thuidiaceae)									
<i>Pelekium versicolor</i> (Hornsch. ex Müll.Hal.) Touw [Hoe 1974, Touw 2001] <i>Thuidium crenulatum</i> Mitt. <i>Thuidium nanophyllum</i> Müll.Hal.	ind			O			M		H
PHILONOTIS Brid. (Bartramiaceae)									
<i>Philonotis falcata</i> (Hook.) Mitt. [Hoe 1974]	ind		K	O	Mo		M		
<i>Philonotis hastata</i> (Duby) Wijk & Margad. [Hoe 1974] <i>Philonotis laxissima</i> Mitt.	ind			O			M		H
<i>Philonotis hawaica</i> (Müll.Hal.) Broth. [Hoe 1974]	end		K	O	Mo	L	M		H
<i>Philonotis turneriana</i> (Schwägr.) Mitt. var. <i>sullivantii</i> (Müll.Hal.) E.B.Bartram [Hoe 1974]	end			O			M		H
<i>Philonotis turneriana</i> (Schwägr.) Mitt. var. <i>turneriana</i> [Hoe 1974]	ind		K	O	Mo	L	M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
PILOTRICHELLA (Müll.Hal.) Besch. (Meteoriaceae, or Lembophyllaceae [Shaw & Goffinet 2000])									
<i>Pilotrichella mauiensis</i> (Sull.) A.Jaeger [Hoe 1974]	end			O			M		H
PLAGIOMNIUM T.J.Kop. (Mniaceae)									
<i>Plagiomnium rostratum</i> (Schrad.) T.J.Kop. [Hoe 1974] <i>Mnium rostratum</i> Schrad. <i>Plagiomnium prorepens</i> (Müll.Hal.) T.J.Kop. <i>Plagiomnium rhynchosporum</i> (Hook.) T.J.Kop.	ind		K	O	Mo		M		H
PLAGIOPUS Brid. (Bartramiaceae)									
<i>Plagiopus oederiana</i> (Sw.) H.A.Crum & L.E.Anderson [Hoe 1974] <i>Plagiopus longisetus</i> (Brid.) E.B.Bartram <i>Plagiopus oederi</i> (Brid.) Limpr.	ind						M		
PLAGIOTHECIUM Bruch & Schimp. (Plagiotheciaceae)									
<i>Plagiothecium cavifolium</i> (Brid.) Z.Iwats. [Hoe 1977]	ind						M		
<i>Plagiothecium denticulatum</i> (Hedw.) Schimp. [Hoe 1974]	ind								
<i>Plagiothecium mauiense</i> Broth. [Hoe 1974]	end						M		
PLATYHYPNIDIUM M.Fleisch. (Amblystegiaceae, or Brachytheciaceae [Shaw & Goffinet 2000])									
<i>Platyhypnidium muelleri</i> (A.Jaeger) M.Fleisch. [Hoe 1974] <i>Eurhynchium mulleri</i> misapplied	ind		K	O	Mo		M		
POGONATUM P. Beauv. (Polytrichaceae)									
<i>Pogonatum tahitense</i> Schimp. ex Besch. [Hoe 1974] <i>Pogonatum baldwinii</i> (Müll.Hal.) Paris	ind		K	O	Mo	L	M		H
POHLIA Hedw. (Bryaceae, or Mniaceae [Shaw & Goffinet 2000])									
<i>Pohlia baldwinii</i> (Broth. ex E.B.Bartram) W.Schultze-Motel [Hoe 1974] <i>Webera baldwinii</i> Broth. ex E.B.Bartram	end						M		
<i>Pohlia cruda</i> (Hedw.) Lindb. [Hoe 1974, Hoe 1979] <i>Webera cruda</i> (Hedw.) Fürnr.	ind						M		H
<i>Pohlia flexuosa</i> Hook. [Hoe 1974, Gangulee 1974] <i>Pohlia gracilescens</i> (E.B.Bartram) E.B.Bartram <i>Pohlia gracillima</i> (Cardot) Horik. & Ochi <i>Pohlia leucostoma</i> (Bosch & Sande Lac.) M.Fleisch. <i>Pohlia leucostomoides</i> (Broth.) E.B.Bartram <i>Webera gracilescens</i> E.B.Bartram <i>Webera leucostomoides</i> Broth.	ind		K	O	Mo		M		H
<i>Pohlia mauiensis</i> (Broth. ex E.B.Bartram) W.Schultze-Motel [Hoe 1974]	end						M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
POLYTRICHUM Hedw. (Polytrichaceae)									
<i>Polytrichum commune</i> Hedw. [Hoe 1974]	ind								H
<i>Polytrichum juniperinum</i> Hedw. [Hoe 1974, Hyvönen 1986]	ind								H
<i>Polytrichum piliferum</i> Hedw. [Hoe 1974]	ind						M		H
PSEUDOSCLEROPIDIUM (Limpr.) M.Fleisch. (Brachytheciaceae)									
<i>Pseudoscleropodium purum</i> (Hedw.) M.Fleisch. [Hoe 1974]	nat								H
PSEUDOSYMBLEPHARIS Broth. (Pottiaceae)									
<i>Pseudosymblypharis angustata</i> (Mitt.) Hilp. [Hoe 1974, Hoe 1979, Norris & Koponen 1989] <i>Pseudosymblypharis mauiensis</i> (Müll.Hal.) Broth.	ind		K	O	Mo		M		H
PSEUDOTAXIPHYLLUM Z.Iwats. (Hypnaceae)									
<i>Pseudotaxiphyllum elegans</i> (Brid.) Z.Iwats. [Hoe 1979, Iwatsuki 1987] <i>Isopterygium elegans</i> (Brid.) Lindb.	ind						M		
PTEROGONIDIUM Broth. (Sematophyllaceae)									
<i>Pterogonidium pulchellum</i> (Hook.) Müll.Hal. [Hoe 1979]	nat?			O					
PTYCHOMITRIUM Fűrnr. (Ptychomitriaceae)									
<i>Ptychomitrium lepidomitrium</i> (Müll.Hal.) Schimp. ex Besch. [Hoe 1974, Cao et al. 2003] <i>Ptychomitrium mauiense</i> Broth.	ind						M		H
PYLAIADIDELPHA Broth. (Meteoriaceae)									
<i>Pylaisiadelpha opaeodon</i> (Sull.) W.R. Buck [Hoe 1974, Buck 1984] <i>Brotherella opaeodon</i> (Sull.) Broth. <i>Hypnum opaeodon</i> Sull.	ind		K	O	Mo		M		H
PYRRHOBRYUM Mitt. (Rhizogoniaceae)									
<i>Pyrrhobryum spiniforme</i> (Hedw.) Mitt. [Hoe 1974, Koponen et al. 1986] <i>Rhizogonium spiniforme</i> (Hedw.) Bruch	ind		K	O	Mo	L	M		H
RACOMITRIUM Brid. (Grimmiaceae)									
<i>Racomitrium crispulum</i> (Hook.f. & Wilson) Hook.f. & Wilson [Hoe 1974]	ind		K				M		H
<i>Racomitrium fasciculare</i> (Schrad. ex Hedw.) Brid. var. <i>erosum</i> Broth. [Hoe 1974]	end						M		
<i>Racomitrium lanuginosum</i> (Hedw.) Brid. var. <i>lanuginosum</i> [Hoe 1974]	ind						M		

FullName	STATUS	NI	K	O	MO	L	M	KA	H
<i>Racomitrium lanuginosum</i> (Hedw.) Brid. var. <i>pruinsum</i> Wilson [Hoe 1974] <i>Racomitrium lanuginosum</i> (Hedw.) Brid. var. <i>sandvicense</i> Reichardt	ind		K	O	Mo		M		H
RACOPILUM P.Beauv. (Racopilaceae) <i>Racopilum cuspidigerum</i> (Schwägr.) Ångstr. [Hoe 1974] <i>Rhacomitrium cuspidigerum</i> misapplied	nat?		K	O	Mo	L	M		H
RADULINA W.R.Buck & B.C.Tan (Sematophyllaceae) <i>Radulina hamata</i> (Dozy & Molk.) W.R.Buck & B.C.Tan [Hoe 1974, Buck & Tan 1989] <i>Trichosteleum hamatum</i> (Dozy & Molk.) A.Jaeger	ind		K	O	Mo	L	M		H
REMYELLA Müll.Hal. (Brachytheciaceae) <i>Remyella hawaica</i> Müll.Hal. [Hoe 1974, Ignatov & Huttunen 2002] <i>Rhynchostegiella hawaica</i> (Müll.Hal.) Broth.	end			O					
RHABDOWEISIA Bruch & Schimp. (Dicranaceae, or Rhabdoweisiaceae [Shaw & Goffinet 2000]) <i>Rhabdoweisia crenulata</i> (Mitt.) H.Jameson [Hoe 1975, Frahm et al. 2000] <i>Rhabdoweisia crispata</i> (With.) Lindb. [Hoe 1974, Hoe 1977, Hoe 1979] <i>Rhabdoweisia denticulata</i> B.S.G.	ind ind						M M		H
RHAPHIDOSTICHUM M.Fleisch. (Sematophyllaceae) <i>Rhaphidostichum pustulatum</i> Hoe [Hoe 1974]	end			O					
RHIZOGONIUM Brid. (Rhizogoniaceae) <i>Rhizogonium pungens</i> Sull. [Hoe 1974]	end		K	O	Mo	L	M		H
RHODOBRYUM (Schimp.) Limpr. (Bryaceae) <i>Rhodobryum giganteum</i> (Schwägr.) Paris [Hoe 1974, Crosby et al. 1983, Tan & Iwatsuki 1991] <i>Bryum giganteum</i> (Schwägr.) Arn.	ind		K	O			M		
RHYNCHOSTEGIUM Bruch & Schimp. (Brachytheciaceae) <i>Rhynchostegium celebicum</i> (Sande Lac.) A.Jaeger [Hoe 1974, Hoe 1977] <i>Eurhynchium celebicum</i> (Sande Lac.) E.B.Bartram <i>Rhynchostegium gaudichaudii</i> (Mont.) A.Jaeger [Hoe 1974] <i>Rhynchostegium selaginellifolium</i> Müll.Hal. var. <i>recurvirameum</i> (Müll.Hal.) Wijk & Margad. [Hoe 1974] <i>Eurhynchium selaginellifolium</i> var. <i>recurvirameum</i>	ind ind end		K	O	Mo		M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
(Müll.Hal.) E.B.Bartram									
<i>Rhynchostegium selaginellifolium</i> Müll.Hal. var. <i>selaginellifolium</i> [Hoe 1974] <i>Eurhynchium selaginellifolium</i> (Müll.Hal.) E.B.Bartram	end		K	O	Mo		M		H
ROSULABRYUM J.R.Spence (Bryaceae)									
<i>Rosulabryum billardierei</i> (Schwägr.) J.R.Spence [Mohamed 1979, Anderson et al. 1990, Spence 1996] <i>Bryum andicola</i> Hook. <i>Bryum decaisnei</i> Dozy & Molk. <i>Bryum limbatomarginatum</i> Müll.Hal. <i>Bryum truncorum</i> misapplied	ind			O			M		H
<i>Rosulabryum capillare</i> (Hedw.) J.R.Spence [Hoe 1974, Hoe 1977, Spence 1996] <i>Bryum capillare</i> Hedw. <i>Bryum vinoviride</i> E.B.Bartram	ind		K	O			M		H
SAELANIA Lindb. (Ditrichaceae)									
<i>Saelania glaucescens</i> (Hedw.) Broth. [Hoe 1974]	ind						M		
SCHISTIDIUM Bruch & Schimp. (Grimmiaceae)									
<i>Schistidium apocarpum</i> (Hedw.) Bruch & Schimp. [Schultze-Motel 1963, Muñoz & Pando 2000] <i>Grimmia apocarpa</i> Hedw.	ind						M		
<i>Schistidium strictum</i> (Turner) Loeske ex Mårtensson [Hoe 1974, Cao & Churchill 1995, Muñoz & Pando 2000] <i>Grimmia apocarpa</i> Hedw. var. <i>stricta</i> (Turner) Hook. & Taylor <i>Grimmia scabrifolia</i> Broth. <i>Grimmia stricta</i> Turner	ind						M		
SCHIZYMENIUM Harv. (Bryaceae, or Mniaceae [Shaw & Goffinet 2000])									
<i>Schizymenium campylocarpum</i> (Hook. & Arn.) A.J.Shaw var. <i>campylocarpum</i> [Zanten 1971, Shaw 1985] <i>Mielichhoferia campylocarpa</i> (Hook. & Arn.) Mitt. <i>Weissia campylocarpa</i> Hook. & Arn. in Hook.	ind								H
<i>Schizymenium nealiae</i> (E.B.Bartram) A.J.Shaw [Hoe 1974, Shaw 1985] <i>Mielichhoferia nealiae</i> E.B.Bartram	end								H
<i>Schizymenium pulvinatum</i> (Müll.Hal.) A.J.Shaw [Hoe 1974, Shaw 1985] <i>Mielichhoferia pulvinata</i> Müll.Hal.	end						M		H
SCOPELOPHILA (Mitt.) Lindb. (Pottiaceae)									
<i>Scopelophila infericola</i> Hoe [Hoe 1974]	end								H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
SEMATOPHYLLUM Mitt. (Sematophyllaceae)									
<i>Sematophyllum hawaiiense</i> (Broth.) Broth. [Hoe 1974, Hoe 1979]	ind		K	O		L	M		H
<i>Sematophyllum subpinnatum</i> (Brid.) E.Britton [Hoe 1974, Hoe 1979, Buck 1983] <i>Sematophyllum caespitosum</i> misapplied	ind			O					H
SPHAGNUM L. (Sphagnaceae)									
<i>Sphagnum palustre</i> L. [Hoe 1978, Karlin & Andrus 1995] <i>Sphagnum henryense</i> misapplied <i>Sphagnum lonchocladum</i> Müll.Hal. <i>Sphagnum perichaetiale</i> misapplied <i>Sphagnum vitjianum</i> misapplied	ind								H
<i>Sphagnum wheeleri</i> Müll.Hal. [Hoe 1974, Karlin & Andrus 1995, Karlin 2001] <i>Sphagnum compactum</i> misapplied <i>Sphagnum rigidulum</i> Warnst. <i>Sphagnum vulcanicum</i> Warnst.	end						M		
SPLACHNOBRYUM Müll.Hal. (Splachnobryaceae, or Pottiaceae [Shaw & Goffinet 2000])									
<i>Splachnobryum obtusum</i> (Brid.) Müll.Hal. [Hoe 1974, Arts 2001]	nat			O					
STREPTOPOGON Mitt. (Pottiaceae)									
<i>Streptopogon erythrodontus</i> (Taylor) Wilson [Hoe 1974]	ind						M		
SYMPHYODON Mont. (Symphyodontaceae)									
<i>Symphiodon pygmaeus</i> (Broth.) S.He & Snider [Hoe 1974, Hoe 1977, He & Snider 1992] <i>Glossadelphus abortivapicus</i> Hoe	ind			O			M		
SYNTRICHIA Brid. (Pottiaceae)									
<i>Syntrichia fragilis</i> (Taylor) Ochyra [Hoe 1974, Kürschner 2000] <i>Tortula alpina</i> (Brid.) Arn. var. <i>inermis</i> (Milde) De Not. <i>Tortula fragilis</i> Taylor	ind						M		H
<i>Syntrichia princeps</i> (De Not.) Mitt. [Hoe 1974, Kürschner 2000] <i>Tortula princeps</i> De Not.	ind						M		H
SYRRHOPODON Schwägr. (Calymperaceae)									
<i>Syrrhopodon armatus</i> Mitt. [Hoe 1974, Orbán & Reese 1986] <i>Syrrhopodon oahuensis</i> Broth.	ind			O			M		H
<i>Syrrhopodon hawaiiicus</i> Müll.Hal. [Hoe 1974]	end		K	O	Mo		M		H
<i>Syrrhopodon prolifer</i> Schwägr. [Hoe 1974, Reese et al.]	end			O	Mo		M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
1986] <i>Syrrhopodon kilaueae</i> Müll.Hal.									
<i>Syrrhopodon semiliber</i> (Mitt.) Besch. [Hoe 1974, Reese et al. 1986] <i>Calymperes semiliberum</i> Mitt. <i>Calymperopsis semiliber</i> (Mitt.) M.Fleisch.	ind			O					H
TAXIPHYLLUM M.Fleisch. (Hypnaceae)									
<i>Taxiphyllum laevifolium</i> (Mitt.) W.R.Buck [Hoe 1974, Buck 1987b, Tixier 1988] <i>Glossadelphus baldwinii</i> Broth. <i>Glossadelphus laevifolius</i> (Mitt.) E.B.Bartram	ind		K	O	Mo		M		H
<i>Taxiphyllum torrentium</i> (Besch.) W.R.Buck [Hoe 1974, Buck 1987b, Tixier 1988] <i>Glossadelphus irroratus</i> E.B.Bartram <i>Glossadelphus torrentium</i> (Besch.) M.Fleisch.	ind						M		
TAXITHELIUM Mitt. (Sematophyllaceae)									
<i>Taxithelium mundulum</i> (Sull.) E.B.Bartram [Hoe 1974] <i>Taxithelium undulatum</i> misapplied	ind		K	O	Mo	L	M		H
TAYLORIA Hook. (Splachnaceae)									
<i>Tayloria sandwicensis</i> (Müll.Hal.) Broth. [Hoe 1974]	end						M		
THAMNIOPSIS (Mitt.) Fleisch. (Hookeriaceae, or Callicostaceae [Buck 1987a])									
<i>Thamniopsis utacamundiana</i> (Mont.) W.R. Buck [Hoe 1974, Buck 1987a] <i>Hookeria purpurea</i> Müll.Hal. <i>Hookeriopsis purpurea</i> (Müll.Hal.) Broth. <i>Hookeriopsis purpurea</i> (Müll.Hal.) Broth. var. <i>acuminatula</i> (Müll.Hal.) E.B.Bartram <i>Hookeriopsis purpurea</i> (Müll.Hal.) Broth. var. <i>ligulacea</i> (Müll.Hal.) E.B.Bartram	ind		K	O	Mo		M		H
THAMNOBRYUM Nieuwl. (Neckeraceae)									
<i>Thamnobryum speciosum</i> (Broth.) Hoe [Hoe 1974] <i>Thamnum speciosum</i> Broth.	end						M		H
THUIDIUM Bruch & Schimp. (Thuidiaceae)									
<i>Thuidium cymbifolium</i> (Dozy & Molk.) Dozy & Molk. [Hoe 1974, Touw 2001] <i>Thuidium glabratum</i> Broth. ? <i>Thuidium havaiense</i> Reichardt <i>Thuidium oahuense</i> Broth. <i>Thuidium plicatum</i> Mitt. <i>Thuidium plicatum</i> Mitt. var. <i>brevifolium</i> E.B.Bartram	ind		K	O	Mo	L	M		H

FullName	STATUS	NI	K	O	MO	L	M	KA	H
TIMMIA Hedw. (Timmiaceae)									
<i>Timmia megapolitana</i> Hedw. ssp. <i>bavarica</i> (Hessl.) Brassard [Brassard 1984] <i>Timmia bavarica</i> Hessl.	ind								H
TORTELLA (Lindb.) Limpr. (Pottiaceae)									
<i>Tortella fragilis</i> (Hook. & Wilson) Limpr. var. <i>tortelloides</i> (S.W.Greene) R.H.Zander & Hoe [Zander & Hoe 1979] <i>Sarconeurum tortelloides</i> S.W.Greene <i>Tortella tortelloides</i> (S.W.Greene) H.Rob.	ind						M		
<i>Tortella humilis</i> (Hedw.) Jenn. [Hoe 1974] <i>Tortella caespitosa</i> (Schwägr.) Limpr.	ind		K	O		L	M		H
<i>Tortella tortuosa</i> (Hedw.) Limpr. [Hoe 1979]	ind					L			
TORTULA Hedw. (Pottiaceae)									
<i>Tortula atrovirens</i> (Sm.) Lindb. [Hoe 1974, Hoe 1979, Corley et al. 1981, Zander 1993] <i>Desmatodon convolutus</i> (Brid.) Grout	ind						M		H
TRACHYLOMA Brid. (Pterobryaceae, or Trachylomataceae [Shaw & Goffinet 2000])									
<i>Trachyloma indicum</i> Mitt. [Hoe 1974] <i>Trachyloma tahitense</i> Besch.	ind						M		
TRACHYPODOPSIS M.Fleisch. (Trachypodaceae, or Meteoriaceae [Shaw & Goffinet 2000])									
<i>Trachypodopsis auriculata</i> (Mitt.) M.Fleisch. [Hoe 1974] <i>Trachypodopsis ornans</i> (Reichardt) M.Fleisch. <i>Trachypus ornans</i> (Reichardt) Müll.Hal. fma. <i>simplex</i> Broth.	ind		K	O	Mo		M		H
<i>Trachypodopsis serrulata</i> (P.Beauv.) M.Fleisch. var. <i>crispatula</i> (Hook.) Zanten [Hoe 1979]	ind								H
TRACHYPUS Reinw. & Hornsch. (Trachypodaceae, or Meteoriaceae [Shaw & Goffinet 2000])									
<i>Trachypus bicolor</i> Reinw. & Hornsch. [Hoe 1974, Hoe 1979]	ind		K				M		H
<i>Trachypus humilis</i> Lindb. var. <i>flagellifer</i> (Broth. ex Herzog) H.A.Mill. [Zanten 1959, Miller 1967, Hoe 1974] <i>Trachypus humilis</i> Lindb. var. <i>tenerrimus</i> (Herzog) Zanten <i>Trachypus mauiensis</i> Broth.	ind		K	O			M		
<i>Trachypus humilis</i> Lindb. var. <i>humilis</i> [Hoe 1974, Hoe 1977]	ind		K				M		
TREMATODON Michx. (Dicranaceae, or Bruchiaceae [Shaw & Goffinet 2000])									

FullName	STATUS	NI	K	O	MO	L	M	KA	H
<i>Trematodon latinervis</i> Müll.Hal. [Hoe 1974] <i>Trematodon longicollis</i> misapplied	ind		K	O	Mo		M		H
TRICHOSTOMUM Bruch (Pottiaceae)									
<i>Trichostomum brachydonitium</i> Bruch [Sollman 1984] <i>Trichostomum oblongifolium</i> E.B.Bartram	ind		K	O	Mo		M		H
<i>Trichostomum crispulum</i> Bruch [Hoe 1974, Hoe 1975, Norris & Koponen 1989] <i>Trichostomum bartramii</i> H.A.Mill. <i>Trichostomum mauiense</i> Broth.	ind		K	O	Mo	L	M		H
ULOTA D.Mohr (Orthotrichaceae)									
<i>Ulota cervina</i> Hoe & H.A.Crum [Hoe 1974]	end							M	
VESICULARIA (Müll.Hal.) Müll.Hal. (Hypnaceae)									
<i>Vesicularia inflectens</i> (Brid.) Müll.Hal. [Hoe 1979]	ind							M	
<i>Vesicularia perviridis</i> (Ångstr.) Müll.Hal. [Hoe 1974] <i>Vesicularia graminicolor</i> Müll.Hal.	end		K	O	Mo	L	M		H
WEISSIA Hedw. (Pottiaceae)									
<i>Weissia controversa</i> Hedw. [Hoe 1974, Wichman & St. John 1990] <i>Weisia viridula</i> Hedw.	ind	Ni	K	O					H
<i>Weissia ovalis</i> (R.S.Williams) E.B.Bartram [Hoe 1974]	end		K	O	Mo	L	M		H
ZYGODON Hook. & Taylor (Orthotrichaceae)									
<i>Zygodon reinwardtii</i> (Hornsch.) A.Braun [Hoe 1974]	ind							M	
<i>Zygodon rubrigemmius</i> (Hoe & H.A.Crum) R.H.Zander & Vitt [Hoe 1974, Zander & Vitt 1979] <i>Anoetangium rubrigemmius</i> Hoe & H.A.Crum	end							M	
<i>Zygodon tetragonostomus</i> A.Braun ex B.S.G. [Hoe 1974]	ind		K	O				M	H

CROSS-REFERENCED LIST OF SYNONYMS AND MISAPPLIED NAMES

- Acroporium fuscoflavum* var. *baldwinii* *See* *Acroporium fuscoflavum*
 ?*Acroporium sigmatodontium* misapplied *See* *Acroporium fuscoflavum*
Aerobryopsis longissima *See* *Aerobryopsis wallichii*
Aerobryopsis longissima var. *dozyana* *See* *Aerobryopsis wallichii*
Aerobryopsis scariosa *See* *Aerobryopsis subdivergens* ssp. *scariosa*
Amphidium cyathicarpum *See* *Amphidium tortuosum*
Andreaea acuminata *See* *Andreaea acutifolia* ssp. *acuminata*
Andreaea perpapillosa *See* *Andreaea rupestris*
Anoetangium euchloron *See* *Anoetangium aestivum*
Anoetangium haleakalae var. *haleakalae* *See* *Anoetangium aestivum*
Anoetangium haleakalae var. *laxulum* *See* *Anoetangium aestivum*
Anoetangium harttiae *See* *Anoetangium aestivum*
Anoetangium rubrigemmium *See* *Zygodon rubrigemmium*
Aptychella robusta *See* *Clastobryopsis robusta*
Barbella trichophora *See* *Barbellopsis trichophora*
Barbula cruegeri *See* *Barbula indica*
Barbula unguiculata misapplied *See* *Barbula indica*
Barbula vinealis var. *cylindrica* *See* *Didymodon insulanus*
Barbula vinealis var. *flaccida* *See* *Didymodon insulanus*
Brachythecium oxyrrhynchum *See* *Brachythecium plumosum*
Breutelia kilaueae *See* *Breutelia affinis*
Brotherella opaeodon *See* *Pylaisiadelpha opaeodon*
Bryohaplocladium microphyllum *See* *Haplocladium microphyllum*
Bryum andicola Hook. *See* *Rosulabryum billardierei*
Bryum apiculatum *See* *Bryum mildeanum*
Bryum argenteum var. *lanatum* *See* *Bryum argenteum*
Bryum capillare *See* *Rosulabryum capillare*
Bryum ceramicarpum *See* *Bryum conicum*
Bryum crassicostatum *See* *Bryum hawaiiicum*
Bryum decaisnei *See* *Rosulabryum billardierei*
Bryum erythrocarpum *See* *Bryum atrovirens*
Bryum giganteum *See* *Rhodobryum giganteum*
Bryum leucophyllum *See* *Bryum argenteum*
Bryum limbatomarginatum *See* *Rosulabryum billardierei*
Bryum mauiensis *See* *Bryum mildeanum*
Bryum megalostegium *See* *Bryum mildeanum*
Bryum nitens *See* *Bryum mildeanum*
Bryum truncorum misapplied *See* *Rosulabryum billardierei*
Bryum vinoviride *See* *Rosulabryum capillare*
Calymperes hawaiiense *See* *Calymperes fasciculatum*
Calymperes semiliberum *See* *Syrrophodon semiliber*
Calymperopsis semiliber *See* *Syrrophodon semiliber*
Campylopodium euphorocladum *See* *Campylopodium medium*
Campylopus aureus *See* *Campylopus schmidii* ssp. *schmidii*
Campylopus boswellii *See* *Campylopus fragilis* ssp. *zollingerianus*
Campylopus boswellii var. *capitulatus* *See* *Campylopus fragilis* ssp. *zollingerianus*
Campylopus densifolius var. *densifolius* *See* *Campylopus hawaiiicus* var. *densifolius*
Campylopus densifolius var. *falcatus* *See* *Campylopus hawaiiicus* var. *hawaiiicoflexuosus*

Campylopus densifolius var. *hawaiicoflexuosus* *See* *Campylopus hawaiiicus* var. *hawaiicoflexuosus*
Campylopus densifolius var. *purpureoflavescens* *See* *Campylopus hawaiiicus* var. *hawaiiicus*
Campylopus densiretis *See* *Campylopus hawaiiicus* var. *densifolius*
 ?*Campylopus didrichsenii* *See* *Campylopus umbellatus* var. *umbellatus*
Campylopus exasperatus *See* *Campylopus praemorsus*
Campylopus fumarioli *See* *Campylopus laxitextus*
Campylopus geniculatus *See* *Campylopus umbellatus* var. *pterotoneuron*
Campylopus hawaiicoflexuosus *See* *Campylopus hawaiiicus* var. *hawaiicoflexuosus*
Campylopus introflexus misapplied *See* *Campylopus schmidii* ssp. *schmidii*
Campylopus introflexus var. *polytrichoides* misapplied *See* *Campylopus schmidii* ssp. *schmidii*
Campylopus microcephalus *See* *Campylopus praemorsus*
Campylopus perangustifolius *See* *Campylopus hawaiiicus* var. *hawaiicoflexuosus*
 ?*Campylopus pertristis* *See* *Campylopus umbellatus* var. *umbellatus*
Campylopus polytrichoides misapplied *See* *Campylopus schmidii* ssp. *schmidii*
Campylopus purpureoflavescens, in part *See* *Campylopus hawaiiicus* var. *hawaiicoflexuosus*, *C. hawaiiicus* var. *hawaiiicus*
Campylopus richardii misapplied *See* *Campylopus umbellatus* var. *umbellatus*
Campylopus sandwicensis *See* *Campylopus umbellatus* var. *umbellatus*
Campylopus skottsbergii *See* *Campylopus schmidii* ssp. *hemitrichius*
Campylopus tubulosus *See* *Campylopus schmidii* ssp. *hemitrichius*
Campylopus wawreanus *See* *Campylopus hawaiiicus* var. *densifolius*
Ceratodon purpureus fma. *xanthopus* *See* *Ceratodon purpureus* ssp. *purpureus*
Cirriphyllum oxyrrhynchum *See* *Brachythecium plumosum*
Claopodium amblystegioides *See* *Claopodium prionophyllum*
Claopodium hawaiiense *See* *Claopodium whippleanum*
Claopodium nervosum *See* *Claopodium prionophyllum*
Ctenidium decurrens *See* *Ectropothecium decurrens*
Ctenidium pulcherrimum *See* *Ectropothecium decurrens*
Ctenidium submalacobolum *See* *Ectropothecium decurrens*
Cupressina decurrens *See* *Ectropothecium decurrens*
Desmatodon convolutus *See* *Tortula atrovirens*
Dicranella hillebrandii *See* *Microdus hillebrandii*
Dicranella hochreuteri misapplied *See* *Dicranella hochreutineri*
Dicranodontium falcatum var. *falcatum* *See* *Dicranodontium prodictyon*
Dicranodontium hawaiiicum *See* *Dicranodontium prodictyon*
Dicranoloma wheeleri *See* *Campylopus wheeleri*
Dicranum didrichsenii *See* *Campylopus umbellatus* var. *umbellatus*
Dicranum hawaiicoflexuosum *See* *Campylopus hawaiiicus* var. *hawaiicoflexuosus*
Dicranum hawaiiicum *See* *Campylopus hawaiiicus* var. *hawaiiicus*
Dicranum microcephalum *See* *Campylopus praemorsus*
Dicranum pertriste *See* *Campylopus umbellatus* var. *umbellatus*
Dicranum praemorsum *See* *Campylopus praemorsus*
Dicranum skottsbergii *See* *Campylopus schmidii* ssp. *hemitrichius*
Dicranum wheeleri *See* *Campylopus wheeleri*
Didymodon recurvirostris *See* *Bryoerythrophyllum recurvirostre*
Didymodon vinealis var. *flaccidus* *See* *Didymodon insulanus*
Ectropothecium rockii *See* *Ectropothecium decurrens*
Encalypta rhabdocarpa misapplied *See* *Encalypta rhabdocarpa*
Encalypta scabrata *See* *Encalypta ciliata*
Entodon hillebrandii *See* *Entodon plicatus*

Entodon solanderi *See* *Entodon plicatus*
Eurhynchium celebicum *See* *Rhynchostegium celebicum*
Eurhynchium muelleri misapplied *See* *Platyhypnidium muelleri*
Eurhynchium selaginellifolium *See* *Rhynchostegium selaginellifolium* var. *selaginellifolium*
Eurhynchium selaginellifolium var. *recurvirameum* *See* *Rhynchostegium selaginellifolium* var.
recurvirameum
Eurhynchium vagans *See* *Oxyrrhynchium vagans*
Fissidens baldwinii *See* *Fissidens elegans*
Fissidens bishopii *See* *Fissidens elegans*
Fissidens crumii *See* *Fissidens lindbergii*
Fissidens hawaiiicus *See* *Fissidens bryoides*
Fissidens insularis *See* *Fissidens bryoides*
Fissidens intermedius *See* *Fissidens submarginatus*
Fissidens maiuensis *See* *Fissidens pacificus*
Fissidens oahuensis *See* *Fissidens bryoides*
Floribundaria baldwinii *See* *Floribundaria floribunda*
Funaria subintegra *See* *Entosthodon subintegrus*
Garovaglia haleakalae *See* *Garovaglia powellii* var. *haleakalae*
Glossadelphus abortivapicus *See* *Symphiodon pygmaeus*
Glossadelphus baldwinii *See* *Taxiphyllum laevifolium*
Glossadelphus chrysobasilaris *See* *Glossadelphus ogatae*
Glossadelphus irroratus *See* *Taxiphyllum torrentium*
Glossadelphus laevifolius *See* *Taxiphyllum laevifolium*
Glossadelphus torrentium *See* *Taxiphyllum torrentium*
Glossadelphus zollingeri var. *filicaulis* *See* *Ectropothecium zollingeri* var. *filicaule*
Grimmia apocarpa *See* *Schistidium apocarpum*
Grimmia apocarpa var. *pulvinata* *See* *Grimmia anodon*
Grimmia apocarpa var. *stricta* *See* *Schistidium strictum*
Grimmia haleakalae *See* *Amphidium tortuosum*
Grimmia haliacalae *See* *Amphidium tortuosum*
Grimmia pilfera *See* *Grimmia longirostris*
Grimmia scabrifolia *See* *Schistidium strictum*
Grimmia stricta *See* *Schistidium strictum*
Gymnostoma pulvinata *See* *Grimmia anodon*
Hageniella pacifica *See* *Hageniella micans*
Holomitrium ferriei misapplied *See* *Holomitrium squarriifolium*
Homalia densa *See* *Homaliodendron flabellatum*
Homalia praelonga *See* *Homaliodendron flabellatum*
Hookeria purpurea *See* *Thamniopsis utacamundiana*
Hookeriopsis purpurea *See* *Thamniopsis utacamundiana*
Hookeriopsis purpurea var. *acuminatula* *See* *Thamniopsis utacamundiana*
Hookeriopsis purpurea var. *ligulacea* *See* *Thamniopsis utacamundiana*
Hymenostylium firmum *See* *Hymenostylium recurvirostrum* var. *recurvirostrum*
Hyophila dozy-molkenboeri *See* *Hyophila involuta*
Hypnum decurrens *See* *Ectropothecium decurrens*
Hypnum draytoni(i) *See* *Buckiella draytonii*
Hypnum eudorae *See* *Buckiella draytonii*
Hypnum opaeodon *See* *Pylaisiadelphina opaeodon*
Hypnum wilkesianum *See* *Palamocladium wilkesianum*
Isopterygium elegans *See* *Pseudotaxiphyllum elegans*

Leptodontium brevicaule *See* *Leptodontium flexifolium*
Leucobryum hawaiiense *See* *Leucobryum seemannii* var. *seemannii*
Leucobryum hawaiiense var. *fumarioli* *See* *Leucobryum seemannii* var. *fumarioli*
Leucobryum hawaiiense var. *sofatarae* *See* *Leucobryum seemannii* var. *sofatarae*
Leucobryum sofatarae *See* *Leucobryum seemannii* var. *sofatarae*
Leucobryum sofatarae var. *fumarioli* *See* *Leucobryum seemannii* var. *fumarioli*
Leucobryum sofatarae var. *hawaiiense* *See* *Leucobryum seemannii* var. *seemannii*
Macrocoma intricata *See* *Macrocoma tenue* ssp. *sullivantii*
Macromitrium cumingii *See* *Macromitrium incurvifolium*
Macromitrium intricatum *See* *Macrocoma tenue* ssp. *sullivantii*
Macromitrium owahiense *See* *Macromitrium microstomum*
Macromitrium reinwardtii *See* *Macromitrium microstomum*
Merceyopsis crassinervis *See* *Hymenostylium recurvirostrum* var. *cylindricum*
Meteorium pallidovirens *See* *Palamocladium wilkesianum*
Meteorium sciuroides *See* *Palamocladium wilkesianum*
Microdus hawaiiicus *See* *Dicranella hawaiiica* var. *hawaiiica*
Mielichhoferia campylocarpa *See* *Schizymerium campylocarpum* var. *campylocarpum*
Mielichhoferia nealiae *See* *Schizymerium nealiae*
Mielichhoferia pulvinata *See* *Schizymerium pulvinatum*
Mniadelphus freycineti var. *crasseturgescens* *See* *Distichophyllum freycinetii* var. *crasseturgescens*
Mnium rostratum *See* *Plagiomnium rostratum*
Mnium serratum *See* *Mnium marginatum*
Molendoa crassinervis *See* *Hymenostylium recurvirostrum* var. *cylindricum*
Orthotrichum berggrenii *See* *Orthotrichum alpestre* var. *berggrenii*
Orthotrichum hillebrandii *See* *Orthotrichum rupestre*
Orthotrichum verrucatum *See* *Orthotrichum lyellii*
Palamocladium aptychoides *See* *Palamocladium wilkesianum*
Palamocladium sciurellum *See* *Palamocladium wilkesianum*
Palamocladium wilkesianum var. *altisetum* *See* *Palamocladium wilkesianum*
Palamocladium wilkesianum var. *sciuroides* *See* *Palamocladium wilkesianum*
Philonotis laxissima *See* *Philonotis hastata*
Plagiomnium prorepens *See* *Plagiomnium rostratum*
Plagiomnium rhynchosporum *See* *Plagiomnium rostratum*
Plagiopus longisetus *See* *Plagiopus oederiana*
Plagiopus oederi *See* *Plagiopus oederiana*
Plagiothecium draytonii *See* *Buckiella draytonii*
Pleuropus aptychoides *See* *Palamocladium wilkesianum*
Pleuropus pallidovirens *See* *Palamocladium wilkesianum*
Pleuropus sciurellus *See* *Palamocladium wilkesianum*
Pleuropus wilkesianus *See* *Palamocladium wilkesianum*
Pleuropus wilkesianus var. *sciuroides* *See* *Palamocladium wilkesianum*
Pogonatum baldwinii *See* *Pogonatum tahitense*
Pohlia gracilescens *See* *Pohlia flexuosa*
Pohlia gracillima *See* *Pohlia flexuosa*
Pohlia leucostoma *See* *Pohlia flexuosa*
Pohlia leucostomoides *See* *Pohlia flexuosa*
Pseudosymblepharis mauiensis *See* *Pseudosymblepharis angustata*
Ptychomitrium mauiense *See* *Ptychomitrium lepidomitrium*
Ptychomnion aciculare misapplied *See* *Aerobryopsis subdivergens* ssp. *scariosa*

Racomitrium lanuginosum var. *sandvicense* *See* *Racomitrium lanuginosum* var. *pruinatum*
Rhabdoweisia denticulata *See* *Rhabdoweisia crispata*
Rhacomitrium cuspidigerum misapplied *See* *Racopilum cuspidigerum*
Rhizogonium spiniforme *See* *Pyrrhobryum spiniforme*
Rhynchostegiella hawaica *See* *Remyella hawaica*
Rhynchostegium vagans *See* *Oxyrrhynchium vagans*
Sarconeurum tortelloides *See* *Tortella fragilis* var. *tortelloides*
Sciaromium tricostatum *See* *Limbella tricostata*
Sematophyllum caespitosum *See* *Sematophyllum subpinnatum*
Sphagnum compactum misapplied *See* *Sphagnum wheeleri*
Sphagnum henryense misapplied *See* *Sphagnum palustre*
Sphagnum lonchocladum *See* *Sphagnum palustre*
Sphagnum perichaetiale misapplied *See* *Sphagnum palustre*
Sphagnum rigidulum *See* *Sphagnum wheeleri*
Sphagnum vitjianum misapplied *See* *Sphagnum palustre*
Sphagnum vulcanicum *See* *Sphagnum wheeleri*
Stereodon decurrens *See* *Ectropothecium decurrens*
Stereophyllum oahuense *See* *Entodontopsis anceps*
Syrrhopodon kilaueae *See* *Syrrhopodon prolifer*
Syrrhopodon oahuensis *See* *Syrrhopodon armatus*
Taxiphyllum gracile *See* *Ectropothecium decurrens*
Taxithelium undulatum misapplied *See* *Taxithelium mundulum*
Thamnium speciosum *See* *Thamnobryum speciosum*
Thuidium crenulatum *See* *Pelekium versicolor*
Thuidium glabratum *See* *Thuidium cymbifolium*
 ?*Thuidium havaiense* *See* *Thuidium cymbifolium*
Thuidium nanophyllum *See* *Pelekium versicolor*
Thuidium oahuense *See* *Thuidium cymbifolium*
Thuidium plicatum *See* *Thuidium cymbifolium*
Thuidium plicatum var. *brevifolium* *See* *Thuidium cymbifolium*
Thysanomitrium hawaiiicum *See* *Campylopus umbellatus* var. *umbellatus*
Thysanomitrium umbellatum *See* *Campylopus umbellatus* var. *umbellatus*
Timmia bavarica *See* *Timmia megapolitana* ssp. *bavarica*
Tortella caespitosa *See* *Tortella humilis*
Tortella tortelloides *See* *Tortella fragilis* var. *tortelloides*
Tortula alpina var. *inermis* *See* *Syntrichia fragilis*
Tortula fragilis *See* *Syntrichia fragilis*
Tortula princeps *See* *Syntrichia princeps*
Tortula rhizophylla *See* *Chenia leptophylla*
Tortula vectensis *See* *Chenia leptophylla*
Trachyloma tahitense *See* *Trachyloma indicum*
Trachypodopsis ornans *See* *Trachypodopsis auriculata*
Trachypus humilis var. *tenerrimus* *See* *Trachypus humilis* var. *flagellifer*
Trachypus mauianus *See* *Trachypus humilis* var. *flagellifer*
Trachypus ornans fma. *simplex* *See* *Trachypodopsis auriculata*
Trematodon longicollis misapplied *See* *Trematodon latinervis*
Trichosteleum hamatum *See* *Radulina hamata*
Trichostomum bartramii *See* *Trichostomum crispulum*
Trichostomum mauianum *See* *Trichostomum crispulum*
Trichostomum oblongifolium *See* *Trichostomum brachydontium*

Trichostomum tenuirostre *See* *Oxystegus tenuirostris* var. *gemmaiparus*
Vesicularia graminicolor *See* *Vesicularia perviridis*
Webera baldwinii *See* *Pohlia baldwinii*
Webera cruda *See* *Pohlia cruda*
Webera gracilescens *See* *Pohlia flexuosa*
Webera leucostomoides *See* *Pohlia flexuosa*
Weisia viridula *See* *Weissia controversa*
Weissia campylocarpa *See* *Schizymerium campylocarpum* var. *campylocarpum*