

Should mosses have common names?
Part 12. The Common Names of Hypnales

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For North Americans, there are a lot of familiar mosses hiding under unfamiliar revised generic names in this group, and the reader might benefit from comparing these to the list of synonyms in Anderson, *et al.* (1990).

Colorful common names abound in this Hypnales. I like descriptive names like paint brush moss for *Acroporium* or spoon moss for *Calliergon*. Spaced-out moss seems appropriate for *Campylium*, provided you know it refers to the wide-spreading leaves. Stair step moss appropriately describes the yearly increments of branch layers in *Hylocomium splendens*. Big red stem aptly describes *Pleurozium schreberi*, but will not separate it from some of its look-alikes in *Hylocomium*. Peacock moss is an appropriate name for the beautiful flat, spreading branches of *Hypopterygium*. Tufa moss describes the ability of *Cratoneuron* to accumulate calcium carbonate and build a tufa rock, but I must plead ignorance on its name of shaguma moss, referring to a Japanese wooden tool for fixing hair, since I have never been introduced to this instrument.

Of course *Hygrohypnum* is named brook moss for its habitat, but so is *Fontinalis*. Other common name confusions include the many thread mosses and feather mosses. There are far too many silk mosses: *Brachythecium*, *Pseudoscleropodium*, *Pylaisiella*, *Entodon*, *Bryohaplocladium*, *Plagiothecium*, and *Rauvolfia* in this order alone. It is therefore fitting that I conclude this series of moss common names by encouraging the reader to use them with caution and to learn the scientific names for the mosses, using the common names only as tools to help you and others learn the more organized and unambiguous scientific ones. You can communicate with anyone in the world with scientific names, but even the bryologists will not be sure what moss you mean with most common names.

Conventions in formatting follow Glime (1989). The **meaning** of the scientific name, as supplied by Elizabeth Dunham, is provided immediately after the scientific name. Any structure to which the name applies is in parentheses. Nomenclature follows Anderson, *et al.* (1990).

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Amblystegiaceae

- Amblystegium Schimp.* in B.S.G.: blunt roof (operculum)⁹; Hime-yanagi-goke = small willow moss¹³; willow-leaved moss¹⁴; creeping moss²⁵
- Amblystegium serpens* (Hedw.) B.S.G.: creeping cedar moss²; creeping feather moss^{8, 11}; delicate willow moss¹³; common willow-leaved moss¹⁴; slender creeping moss²⁵
- Amblystegium serpens* var. *juratzkanum* (Schimp.) Rau & Herv.: long willow leaf moss¹⁴
- Amblystegium varium* (Hedw.) Lindb.: variable willow-leaved moss¹⁴; grove creeping moss²⁵
- Calliergon* (Sull.) Kindb.: something beautifully made⁹; exquisite feather-moss⁴; sasa (bamboo) leaf moss¹³; wetland moss¹⁴; spoon moss²⁵
- Calliergon cordifolium* (Hedw.) Kindb.: Schreber's cedar moss²; heart-leaved feather moss^{8, 11}; sasa leaf moss¹³; common wetland moss¹⁴; marsh spoon moss²⁵
- Calliergon giganteum* (Schimp.) Kindb.: gigantic feather moss¹¹; large leaf wetland moss¹⁴; large spoon moss²⁵
- Calliergon megalophyllum* Mik.: giant spoon moss²⁵
- Calliergon richardsonii* (Mitt.) Kindb. in Warnst.: gold spoon moss²⁵
- Calliergon stramineum* (Brid.) Kindb.: straw-like feather moss^{8, 11}; thread sasa leaf moss¹³; yellow wetland moss¹⁴; pale spoon moss²⁵
- Calliergon trifarium* (Web. & Mohr.) Kindb.: three-ranked feather moss^{8, 11}; worm moss²⁵
- Calliergonella* Loeske: spear head moss¹³; large wetland moss¹⁴
- Calliergonella cuspidata* (Hedw.) Loeske: pointed bog feather moss^{7, 8}; pointed feather moss¹¹; common large wetland moss¹⁴; pointed bog feather-moss²⁰; spear moss²⁵
- Campylium* (Sull.) Mitt.: golden creeping moss¹³; fine wet moss¹⁴; spaced-out moss²⁵
- Campylium chrysophyllum* (Brid.) J. Lange: golden feather moss¹¹; golden creeping moss¹³; yellow-leaf fine wet moss¹⁴; earth spaced-out moss²⁵
- Campylium halleri* (Hedw.) Lindb.: Hallerian feather moss⁸; Haller's feather moss¹¹
- Campylium hispidulum* (Brid.) Mitt.: false willow moss¹³; common fine wet moss¹⁴
- Campylium polygamum* (Schimp. in B.S.G.) C. Jens.: cluster-flowered feather moss¹¹; long-rib fine wet moss¹⁴; seashore spaced-out moss²⁵
- Campylium radicale* (P. Beauv.) Grout: long-stalked creeping feather moss¹¹
- Campylium stellatum* (Hedw.) C. Jens.: yellow starry feather moss⁸; yellow starry feather moss¹¹; Hokkaido golden creeping moss¹³; inclined-leaf fine wet moss¹⁴; gold spaced-out moss²⁵
- Conardia compacta* (C. Müll.) Robins.: coast creeping moss²⁵
- Cratoneuron* (Sull.) Spruce: hooked mosses⁵; shaguma moss (wooden tool to make hairdo)¹³; cow-horn moss¹⁴; tufa moss²⁵
- Cratoneuron filicinum* (Hedw.) Spruce: hooked moss⁵; lesser golden fern feather moss^{8, 11}; common cow-horn moss¹⁴; river tufa moss²⁵
- Drepanocladus* (C. Müll.) G. Roth: sickle plant⁹; boat-hook mosses⁴; sickle mosses⁵; hooked mosses⁶; curved leaf creeping moss¹³; sickle moss¹⁴; hook moss²⁵
- Drepanocladus aduncus* (Hedw.) Warnst.: claw-leaved feather moss⁸; swamp feather moss¹¹; common sickle moss¹⁴; clay hook moss²⁵
- Drepanocladus capillifolius* (Warnst.) Warnst.: hair hook moss²⁵

- Drepanocladus crassicostatus* Janssens: hair hook moss²⁵
Drepanocladus sendtneri (Schimp.) Warnst.: Sendtner's feather moss¹¹; chalk hook moss²⁵
Hamatocaulis Hadenäs: taiga hook moss²⁵
Hamatocaulis lapponicus (Norrl.) Hadenäs: taiga hook moss²⁵
Hamatocaulis vernicosus (Mitt.) Hadenäs: slender green feather moss¹¹; stick hook moss²⁵
Hygroamblystegium Loeske: brook-side feather moss¹¹; brook creeping moss²⁵
Hygroamblystegium fluviatile (Hedw.) Loeske: brook-side feather moss¹¹; brook creeping moss²⁵
Hygroamblystegium tenax (Hedw.) Jenn.: cedar moss²; rigid brook-side feather moss¹¹; water-loving cedar moss¹⁶
Hygrohypnum alpestre (Hedw.) Loeske: mountain water feather moss⁸; north brook moss²⁵
Hygrohypnum alpinum (Lindb.) Loeske: shiny-leaved wet moss¹³; mountain brook moss²⁵
Hygrohypnum cochlearifolium (Vent. ex De Not.) Broth.: spoon brook moss²⁵
Hygrohypnum duriusculum (De Not.) Jamieson: broad-leaved feather moss¹¹; stiff brook moss²⁵
Hygrohypnum eugyrium (Schimp. B.S.G.) Loeske: bundled feather moss¹¹; twist-leaf wet-gray moss¹⁴; forest brook moss²⁵
Hygrohypnum luridum (Hedw.) Jenn.: water feather moss¹¹; common gray moss¹⁴; mill brook moss²⁵
Hygrohypnum micans (Mitt.) Broth.: sparkling feather moss¹¹
Hygrohypnum molle (Hedw.) Loeske: round-leaved hypnum¹; soft water feather moss⁸; soft feather moss¹¹; soft-leaf wet-gray moss¹⁴; soft brook moss²⁵
Hygrohypnum montanum (Lindb.) Broth.: slender brook moss²⁵
Hygrohypnum norvegicum (Schimp. B.S.G.) Amann: Nordic brook moss²⁵
Hygrohypnum ochraceum (Turn. ex Wils.) Loeske: yellow mountain-rill feather moss¹¹; pale yellow wet moss¹³; claw brook moss²⁵
Hygrohypnum polare (Lindb.) Loeske: polar brook moss²⁵
Hygrohypnum smithii (Sw. ex Lilj.) Broth.: round brook moss²⁵
Hygrohypnum styriacum (Limpr.) Broth.: pointed brook moss²⁵
Hygrohypnum subeugyrium (Ren. & Card.) Broth.: large forest brook moss²⁵
Leptodictyum riparium (Hedw.) Warnst.: waterside feather moss¹¹; willow moss¹³; common thin-net moss¹⁴; water creeping moss²⁵
Limprichtia cossonii (Schimp.) Anderson et al.: intermediate hook moss²⁵
Limprichtia revolvens (Sw.) Loeske: rusty claw-leaved feather moss¹¹; magnificent hook moss²⁵
Loeskyrium badium (Hartm.) Paul: brass moss²⁵
Palustriella Ochya: claw tufa moss²⁵
Palustriella commutata (Brid.) Ochya: curled fern feather moss^{8, 11}; sickle shaguma moss¹³; long-leaved cow-horn moss¹⁴; comb tufa moss²⁵
Pseudocalliergon turgescens (T. Jens.) Loeske: yellow sausage moss²⁵
Sanionia uncinata (Hedw.) Loeske: hooked moss¹; hooked boat-hook moss⁴; sickle

moss⁵; sickle-leaved feather moss⁸; sickle-branched feather moss¹¹; curved leaf creeping moss¹³; circleleaf moss²⁵

Sarmenthyphnum Tuom. & T. Kop.: sarmentose feather moss⁸; twiggy feather moss¹¹; red sasa leaf moss¹³; blood spoon moss²⁵

Sarmenthyphnum sarmentosum (Wahlenb.) Tuom. & T. Kop.: sarmentose feather moss⁸; twiggy feather moss¹¹; red sasa leaf moss¹³; blood spoon moss²⁵

Scorpidium (Schimp.) Limpr.: sausage moss²⁵

Scorpidium scorpioides (Hedw.) Limpr.: scorpion feather moss^{8, 11}; sausage moss²⁵

Warnstorfia exannulata (Schimp. in B.S.G.) Loeske: cusp-leaved feather moss¹¹; mountain curved leaf creeping moss¹³; marsh hook moss²⁵

Warnstorfia fluitans (Hedw.) Loeske: floating feather moss⁸; floating feather moss¹¹; floating curved leaf creeping moss¹³; water hook moss²⁵

Warnstorfia trichophylla (Warnst.) Tuom. & T. Kop.: pencil hook moss²⁵

Brachytheciaceae

Brachythecium Schimp. in B.S.G.: short little vessel (capsule)⁹; ao-ginu-goke = green silk moss, sheep moss¹³; verdant moss¹⁴; grass moss²⁵

Brachythecium acuminatum (Hedw.) Aust.: erect brachythecium¹; cedar moss¹⁶

Brachythecium albicans (Hedw.) Schimp. in B.S.G.: lawn moss⁵; whitish feather moss⁸; white feather moss¹¹; pale verdant moss¹⁴; pale grass moss²⁵

Brachythecium campestre (C. Müll.) Schimp. in B.S.G.: field verdant moss¹⁴; hill grass moss²⁵

Brachythecium collinum (Schleich. ex C. Müll.) Schimp. in B.S.G.: alpine verdant moss¹⁴

Brachythecium erythrorrhizon Schimp. in B.S.G.: taiga grass moss²⁵

Brachythecium fendleri (Sull.) Jaeg.: dwarf grass moss²⁵

Brachythecium frigidum (C. Müll.) Besch.: golden short-capsuled moss⁵

Brachythecium glaciale Schimp. in B.S.G.: snow feather moss¹¹; snow grass moss²⁵

Brachythecium groenlandicum (C. Jens.) Schljak.: mountain grass moss²⁵

Brachythecium mildeanum (Schimp.) Schimp. ex Milde: clay grass moss²⁵

Brachythecium oedipodium (Mitt.) Jaeg.: Ezo-aoginu-goke=Ezo green silk¹³; sprawling grass moss²⁵

Brachythecium oxycladon (Brid.) Jaeg.: long-capsuled brachythecium¹

Brachythecium plumosum (Hedw.) Schimp. in B.S.G.: rusty feather moss^{8, 11}; hane-hitsuji-goke=feather sheep moss¹³; plume-branched verdant moss¹⁴; brook grass moss²⁵

Brachythecium populeum (Hedw.) Schimp. in B.S.G.: matted feather moss^{8, 11}; ao-ginu-goke = green silk moss¹³; long-rib verdant moss¹⁴; park grass moss²⁵

Brachythecium reflexum (Starke in Web. & Mohr.) Schimp. in B.S.G.: reflexed feather moss^{8, 11}; araeno-hitsuji-goke=sheep moss with papillose seta¹³; curve-leaved verdant moss¹⁴; slender grass moss²⁵

Brachythecium rivulare Schimp. in B.S.G.: rivulet brachythecium¹; rivulet cedar moss²; waterside feather moss¹¹; tani-goke = valley moss¹³; common verdant moss¹⁴; river grass moss²⁵

- Brachythecium rutabulum* (Hedw.) Schimp. in B.S.G.: rough-stalked feather moss^{7, 11}; common rough-stalked feather moss⁸; hirohano-fusa-goke= tuft moss with wide leaves¹³; common rough-stalked feather-moss²⁰; large grass moss²⁵
- Brachythecium salebrosum* (Web. & Mohr.) Schimp. in B.S.G.: smooth-stalked yellow feather moss⁸; smooth-stalked streaky feather moss¹¹; wide-leaved bushy moss¹³; pleat-leaved verdant moss¹⁴; forest grass moss²⁵
- Brachythecium starkei* (Brid.) Schimp. in B.S.G.: Stark's feather moss¹¹; dewano-hitsuji-goke=Dewa sheep moss¹³; woodland verdant moss¹⁴; spaced-out grass moss²⁵
- Brachythecium trachypodium* (Brid.) Schimp. in B.S.G.: slate grass moss²⁵
- Brachythecium turgidum* (Hartm.) Kindb.: thick grass moss²⁵
- Brachythecium velutinum* (Hedw.) Schimp. in B.S.G.: velvet feather moss^{7, 8, 11}; kinu-hitsuji-goke=silky sheep moss¹³; fine-leaf verdant moss¹⁴; velvet feather-moss²⁰; velvet grass moss²⁵
- Bryhnia* Kaur.: for Bryhn of Norway⁹; arrowhead moss¹³; swallow-tail moss¹⁴
- Bryhnia novae-angliae* (Sull. & Lesq. in Sull.) Grout: arrowhead moss¹³; common swallow-tail moss¹⁴; brynia²⁵
- Bryoandersonia illecebra* (Hedw.) Robins.: spoon-leaved moss^{1, 2, 6, 16}; neat feather moss⁸
- Cirriphyllum* Grout: curly hair leaf⁹; mustache leaf moss¹³; hairy-leaf-tip moss¹⁴; hair grass moss²⁵
- Cirriphyllum cirrosum* (Schwaegr. in Schultes) Grout: cirrhose feather moss⁸; tendril-pointed feather moss¹¹; mustache leaf moss¹³; common hairy-leaf-tip moss¹⁴; alpine hair grass moss²⁵
- Cirriphyllum piliferum* (Hedw.) Grout: hair-pointed feather moss⁸; long mustache leaf moss¹³; hair grass moss²⁵
- Eurhynchium* Schimp. in B.S.G.: well beak (operculum)⁹; long-beaked hypnum⁴; beaked mosses⁶; beautiful-beak moss¹⁴; beaked moss¹⁶; rib moss²⁵
- Eurhynchium hians* (Hedw.) Sande Lac.: light beaked moss¹; long feather moss¹¹; false nagi (Podocarpus) moss¹³; grove rib moss²⁵
- Eurhynchium oreganum* (Sull.) Jaeg.: Oregon beaked moss⁵
- Eurhynchium praelongum* (Hedw.) Schimp. in B.S.G.: slender beaked moss⁵; long trailing feather moss⁷; prolonged feather-moss²⁰
- Eurhynchium pulchellum* (Hedw.) Jenn.: common beaked moss²; elegant feather moss⁸; compact frond moss¹¹; high-hair crane-beak moss¹³; common beautiful-beak moss¹⁴; little rib moss²⁵
- Homalothecium* Schimp. in B.S.G.: straight-capsule moss¹⁴; curl moss²⁵
- Homalothecium fulgescens* (Mitt. ex C. Müll.) Lawt.: yellow moss⁵
- Homalothecium nuttallii* (Wils.) Jaeg.: creeping beauty⁵
- Homalothecium sericeum* (Hedw.) Schimp. in B.S.G.: silky wall feather moss⁷; silky feather moss⁸; silky leskea, golden moss¹¹; common straight-capsule moss¹⁴; gold curl moss²⁵
- Isothecium* Brid.: small herb moss¹³; cat-tail moss¹⁴; swan moss²⁵

- Isoetecium alopecuroides* (Dubois) Isov.: curved feather moss⁸; blunt-leaved tree moss¹¹; rat swan moss²⁵
- Isoetecium myosuroides* Brid.: mouse-tail feather moss⁸; acute-leaved frond moss¹¹; round-branch cat-tail moss¹⁴; mouse swan moss²⁵
- Myuroclada* Besch.: mouse-tail moss¹⁴
- Myuroclada maximowiczii* (Borsz. in Maxim.) Steere & Schof.: rat tail moss¹³; common mouse-tail moss¹⁴
- Palamocladium* C. Müll.: crease-leaf moss¹⁴
- Platyhypnidium* Fleisch.: beaked water moss¹; long-beaked water feather moss^{7, 8, 11}; green creeping moss¹³; brook beak moss²⁵
- Platyhypnidium riparioides* (Hedw.) Dix.: beaked water moss¹; long-beaked water feather moss^{7, 8, 11}; green creeping moss¹³; brook beak moss²⁵
- Pseudoscleropodium* (Limpr.) Fleisch. in Broth.: large-silk moss¹⁴
- Pseudoscleropodium purum* (Hedw.) Fleisch. in Broth.: neat meadow feather moss⁸; neat moss, comb moss¹¹; common large-silk moss¹⁴; swollen moss²⁵
- Scleropodium* Schimp.: papillose-stick moss¹⁴
- Scleropodium cespitans* (C. Müll.) L. Koch: green patch feather moss¹¹
- Scleropodium obtusifolium* (Jaeg.) Kindb. in Mac. & Kindb.: blunt-leaved moss⁵
- Scleropodium touretii* (Brid.) L. Koch: alluring feather moss¹¹; common papillose-stick moss¹⁴
- Steerecleus serrulatus* (Hedw.) Robins.: dark beaked moss¹
- Tomenthypnum nitens* (Hedw.) Loeske: shining feather moss^{8, 11}; golden moss²⁵

Entodontaceae

- Entodon* C. Müll.: tooth within (peristome)⁹; glossy entodon moss²; shiny moss¹³; silk moss¹⁴
- Entodon cladorrhizans* (Hedw.) C. Müll.: flat-stemmed entodon^{1, 2}; flat-stemmed Entodon⁶; common silk moss¹⁴
- Entodon compressus* (Hedw.) C. Müll.: round-leaved shiny moss¹³; thick-corner silk moss¹⁴; brilliant moss²⁵
- Entodon concinnus* (De Not.) Par.: round-leaved shiny moss¹³; thick-corner silk moss¹⁴; brilliant moss²⁵
- Entodon macropodus* (Hedw.) C. Müll.: Tsukushi shiny moss (N. part of Kyushu)¹³
- Entodon seductrix* (Hedw.) C. Müll.: round-stemmed entodon^{1, 2, 6}; American silk moss¹⁴; glossy moss¹⁶

Fabroniaceae

- Anacamptodon* Brid.: Soriha-goke = curved leaf moss¹³; recurved teeth moss¹⁴
- Anacamptodon splachnoides* (Fröl. ex Brid.) Brid.: knothole mos^{2, 6, 10}; common recurved teeth moss¹⁴
- Clasmatodon* Hook. & Wils. in Wils.: broken teeth moss¹⁴
- Fabronia* Raddi: crushed rice moss¹³; crushed-rice moss¹⁴
- Fabronia ciliaris* (Brid.) Brid.: false crushed rice moss¹³; eight-teeth crushed-rice moss¹⁴

Fabronia pusilla Raddi: common crushed-rice moss¹⁴

Helodiaceae

Helodium Warnst.: swamp moss⁹; pond fern moss¹³; wetland-plume moss¹⁴

Helodium blandowii (Web. & Mohr.) Warnst.: Blandow's feather moss^{8, 11}; common wetland-plume moss¹⁴; marsh comb moss²⁵

Helodium paludosum (Sull.) Aust.: pond fern moss¹³; narrow-leaf wetland-plume moss¹⁴

Hylocomiaceae

Hylocomiastrum Fleisch. in Broth.: inhabitant of the woods⁹; rock-hanging moss¹³; pagoda moss¹⁴; house moss²⁵

Hylocomiastrum pyrenaicum (Spruce) Fleisch. in Broth.: mountain dragon-tail moss¹³; mountain pagoda moss¹⁴; large house moss²⁵

Hylocomiastrum umbratum (Hedw.) Fleisch. in Broth.: shaded feather moss⁸; shady rock feather moss¹¹; shady pagoda moss¹⁴; dark house moss²⁵

Hylocomium Schimp. in B.S.G.: inhabitant of the woods⁹; rock-hanging moss¹³; pagoda moss¹⁴; house moss²⁵

Hylocomium splendens (Hedw.) Schimp. in B.S.G.: mountain fern moss^{1, 2, 3, 5}; glittering feather-moss⁴; glittering feather moss^{7, 8, 11}; stair-step moss, mountain fern moss¹⁰; rock-hanging moss¹³; common pagoda moss¹⁴; house moss²⁵

Loeskeobryum Fleisch. in Broth.: common rough-stalked feather moss⁸; short-beaked water feather moss¹¹; thick dragon tail moss¹³; western house moss²⁵

Loeskeobryum brevirostre (Brid.) Fleisch. in Broth.: common rough-stalked feather moss⁸; short-beaked water feather moss¹¹; thick dragon tail moss¹³; western house moss²⁵

Pleurozium Mitt.: Schreber's moss^{1, 5}; red-stemmed feather-moss⁴; red stemmed feather moss⁷; Schreberian feather moss⁸; red-stemmed feather moss¹¹; erect hypnum¹³; red-stem moss¹⁴; big red stem²¹; wall moss²⁵

Pleurozium schreberi (Brid.) Mitt.: Schreber's moss^{1, 5}; red-stemmed feather-moss⁴; red stemmed feather moss⁷; Schreberian feather moss⁸; red-stemmed feather moss¹¹; erect hypnum¹³; red-stem moss¹⁴; big red stem²¹; wall moss²⁵

Rhytidiadelphus (Lindb. ex Limpr.) Warnst.: wrinkled brotherhood (leaves)⁹; tuft moss¹³; rhytidium-like moss¹⁴; notch moss²⁵

Rhytidiadelphus loreus (Hedw.) Warnst.: little shaggy moss⁵; rambling mountain feather moss^{8, 11}; point-leaf rhytidium-like moss¹⁴; western notch moss²⁵

Rhytidiadelphus squarrosus (Hedw.) Warnst.: bent-leaf moss⁵; drooping-leaved feather moss^{7, 8, 11}; tuft moss¹³; reverse-leaf rhytidium-like moss¹⁴; grass notch moss²⁵

Rhytidiadelphus triquetrus (Hedw.) Warnst.: shaggy moss^{1, 2, 3}; triangular wood-reveller⁴; big shaggy moss⁵; triangular-leaved feather moss^{7, 11}; triquetrous feather moss⁸; shaggy moss, rough neck moss¹⁰; large tuft moss¹³; common rhytidium-like moss¹⁴; goose neck moss²¹; garland notch moss²⁵

Rhytidiopsis robusta (Hook.) Broth.: robust moss⁵

Hypnaceae

- Callicladium haldanianum* (Grev.) Crum: common hypnum¹; common cedar moss²; shiny moss³; herb moss¹³; haldane moss²⁵
- Ctenidium* Mitt.: diminutive comb (branching)⁹; comb tooth moss¹³; comb moss¹⁴
- Ctenidium malacodes* Mitt.: common comb moss¹⁴
- Ctenidium molluscum* (Hedw.) Mitt.: plummy crested feather moss⁷; plummy-crested feather moss^{8, 11}; chalk comb moss²⁵
- Gollania* Broth.: coarse-branch moss¹⁴
- Herzogiella* Broth.: shiny red yew moss¹³; sprawl moss²⁵
- Herzogiella seligeri* (Brid.) Iwats.: stump sprawl moss²⁵
- Herzogiella striatella* (Brid.) Iwats.: round stump moss²⁵
- Herzogiella turfacea* (Lindb.) Iwats.: flat stump moss²⁵
- Homomallium* (Schimp.) Loeske: same to rise (branches to one side)⁹; kinuta moss (old tool for making silk)¹³; hairy-gray moss¹⁴; climbing moss²⁵
- Homomallium incurvatum* (Brid.) Loeske: incurved feather moss^{8, 11}; common hairy-gray moss¹⁴
- Hypnum* Hedw.: Greek for moss⁹; cedar moss²; creeping moss¹³; gray moss¹⁴; sleep moss¹⁷; pigtail moss²⁵
- Hypnum bambergeri* Schimp.: Bamberger's feather moss¹¹; gold pigtail²⁵
- Hypnum callichroum* Funck ex Brid.: hook-leaved feather moss¹¹; down pigtail²⁵
- Hypnum circinale* Hook.: coiled-leaf moss⁵
- Hypnum cupressiforme* Hedw.: cypress-leaved feather moss^{7, 8, 11}; common gray moss¹⁴; cypress-leaved feather-moss²⁰; cypress pigtail²⁵
- Hypnum cupressiforme* var. *filiforme* Brid.: cypress-leaved feather moss^{7, 8, 11}; cypress-leaved feather-moss²⁰
- Hypnum cupressiforme* var. *julaceum* Brid.: cypress-leaved feather moss^{7, 8, 11}; cypress-leaved feather-moss²⁰
- Hypnum cupressiforme* var. *lacunosum* Brid.: cypress-leaved feather moss^{7, 8, 11}; cypress-leaved feather-moss²⁰
- Hypnum cupressiforme* var. *resupinatum* (Tayl.) Schimp. in Spruce: cypress-leaved feather moss^{7, 8, 11}; cypress-leaved feather-moss²⁰
- Hypnum cupressiforme* var. *subjulaceum* Mol.: cypress-leaved feather moss^{7, 8, 11}; cypress-leaved feather-moss²⁰
- Hypnum hamulosum* Schimp. in B.S.G.: small pinnate feather moss¹¹; mountain pigtail²⁵
- Hypnum imponens* Hedw.: pinnate hypnum¹; feather moss²; flat-tufted feather moss¹¹; magnificent pigtail²⁵
- Hypnum jutlandicum* Holmen & Warncke: flat pigtail²⁵
- Hypnum lindbergii* Mitt.: Hokkaido creeping moss¹³; clay pigtail²⁵
- Hypnum mammillatum* (Brid.) Loeske: fallow pigtail²⁵
- Hypnum pallescens* (Hedw.) P. Beauv.: small epiphytic creeping moss¹³; yellow gray moss¹⁴; stump pigtail²⁵
- Hypnum pallescens* var. *protuberans* (Brid.) Aust.: small epiphytic creeping moss¹³
- Hypnum pratense* (Rabenh.) Koch ex Spruce: meadow feather moss¹¹; flat gray moss¹⁴

- Hypnum recurvatum* (Lindb. & Arnell) Kindb.: wrinkled pigtail²⁵
Hypnum revolutum (Mitt.) Lindb.: rolled-leaf gray moss¹⁴; border pigtail²⁵
Hypnum subimponens Lesq.: curly hypnum⁵
Hypnum vaucheri Lesq.: worm pigtail²⁵
Isopterygiopsis alpicola (Lindb. & Arnell) Hedenäs: northern luster moss²⁵
Isopterygiopsis muelleriana (Schimp.) Iwats.: Hokkaido glossadelphus¹³
Isopterygiopsis pulchellum (Hedw.) Iwats.: neat mountain feather moss¹¹
Isopterygium Mitt.: equal little wing (leaf arrangement)⁹; red yew moss¹³; equal-leafed moss¹⁴; luster moss²⁵
Orthothecium Schimp. in B.S.G.: shiny moss with erect capsules¹³; gray-rock moss¹⁴; lustrous moss²⁵
Orthothecium chryseum (Schwaegr. in Schultes) Schimp. in B.S.G.: golden gray-rock moss¹⁴; yellow lustrous moss²⁵
Orthothecium intricatum (Hartm.) Schimp. in B.S.G.: flat-leaved leskea¹¹; very small narrow-leafed shiny moss¹³; little lustrous moss²⁵
Orthothecium rufescens (Brid.) Schimp. in B.S.G.: red mountain feather moss⁸; red leskea¹¹; small narrow-leafed shiny moss¹³; red lustrous moss²⁵
Orthothecium strictum Lor.: erect lustrous moss²⁵
Platydictya Berk.: thread-like willow moss¹³
Platydictya jungermannioides (Brid.) Crum: false willow moss¹³; dwarf creeping moss²⁵
Platygyrium Schimp. in B.S.G.: large ring (capsule mouth)⁹; flat-brocade moss¹⁴
Platygyrium repens (Brid.) Schimp. in B.S.G.: common flat-brocade moss¹⁴; copper lustrous moss²⁵
Ptilium De Not.: feather (plants)⁹; hairy-comb moss¹⁴
Ptilium crista-castrensis (Hedw.) De Not.: plume moss¹; plume moss, knight's plum²; ostrich plume moss³; knight's plume moss^{4, 21}; ostrich-plume feather moss^{7, 8}; knight's plume¹⁰; ostrich plume feather moss¹¹; ostrich moss¹³; common hairy-comb moss¹⁴; comb moss²⁵
Pylaisiella Kindb.: light green tree mosse²; silk moss¹³; small golden-gray moss¹⁴
Pylaisiella intricata (Hedw.) Grout: common pylaisiella¹; common pylaisi²; velvet moss¹³
Pylaisiella polyantha (Hedw.) Grout: many-fruited feather moss⁸; many-flowered leskea¹¹; aspen moss²⁵
Taxiphyllum Fleisch.: yew leaf moss¹³; scale-leaf moss¹⁴
Taxiphyllum taxirameum (Mitt.) Fleisch.: yew leaf moss¹³; common scale-leaf moss¹⁴
Vesicularia (C. Müll.) C. Müll.: transparent-leaf moss¹⁴

Hypopterygiaceae

- Hypopterygium* Brid.: peacock moss^{13, 14}
Hypopterygium fauriei Besch.: peacock moss¹³; long-rib peacock moss¹⁴

Leskeaceae

- Bryohaplocladium* Wat. & Iwats.: small-leafed silk moss¹³; small plume moss¹⁴

- Bryohaplocladium microphyllum* (Hedw.) Wat. & Iwats.: fine-leaved small plume moss¹⁴
Claopodium (Lesq. & James) Ren. & Card.: coarse-plume moss¹⁴
Claopodium crispifolium (Hook.) Ren. & Card.: rough moss⁵; mountain needle moss¹³; common coarse-plume moss¹⁴
Claopodium pellucinerve (Mitt.) Best: papillose coarse-plume moss¹⁴
Leptopterigynandrum C. Müll.: fork-plume moss¹⁴
Lescuraea Schimp. in B.S.G.: Lesquereux's mosses⁵; high mountain moss¹³; hairy moss¹⁴; bow moss²⁵
Lescuraea saxicola (Schimp. in B.S.G.) Milde: lustrous bow moss²⁵
Leskea Hedw.: for Leske of Leipsic⁹; dusky moss¹³; delicate moss¹⁴
Leskea polycarpa Hedw.: long-headed feather moss⁸; many-fruited leskea¹¹; Koshina dusky moss¹³; common delicate moss¹⁴; willow moss²⁵
Leskeella (Limpr.) Loeske: fine moss¹⁴
Leskeella nervosa (Brid.) Loeske: nerved leskea¹¹; common fine moss¹⁴
Lindbergia Kindb.: fine-branch moss¹⁴
Lindbergia brachyptera (Mitt.) Kindb.: papillose fine-branch moss¹⁴
Pseudoleskea Schimp. in B.S.G.: grass moss¹⁴
Pseudoleskea incurvata (Hedw.) Loeske: common grass moss¹⁴; pale bow moss²⁵
Pseudoleskea patens (Lindb.) Kindb.: rasp bow moss²⁵
Pseudoleskea radicata (Mitt.) Mac. & Kindb.: dense-rooted grass moss¹⁴; stiff bow moss²⁵
Pseudoleskeella Kindb.: false-Leskeella¹⁴; dwarf bow moss²⁵
Pseudoleskeella siberica (Arnell) P. Wils. & Norris: catenulated feather moss⁸; thread-like feather moss¹¹; blunt dwarf bow moss²⁵
Pseudoleskeella tectorum (Funck ex Brid.) Kindb. in Broth.: northern dwarf bow moss²⁵
- Myriniaceae:** northern dwarf bow moss²⁵
Myrinia pulvinata (Wahlenb.) Schimp.: pulvinate leskea⁸; green-cushioned leskea¹¹; flood moss²⁵
Schwetschkeopsis Broth.: schwetschkea-like moss¹⁴
Schwetschkeopsis fabronia (Schwaegr.) Broth.: false hair moss (wig moss?)¹³

Plagiotheciaceae

- Plagiothecium* Schimp. in B.S.G.: oblique little vessel (capsule)⁹; Hokkaido ball moss¹³; cotton moss¹⁴; silk moss²⁵
Plagiothecium cavifolium (Brid.) Iwats.: woodsy plagiothecium¹; wood feather moss^{7, 11}; sanada moss (rope moss)¹³; round-branch cotton moss¹⁴; wood feather-moss²⁰; round silk moss²⁵
Plagiothecium denticulatum (Hedw.) Schimp. in B.S.G.: slender plagiothecium¹; slender cedar moss²; slender moss³; sharp fern-like feather moss⁷; sharp flat-leaved feather moss¹¹; common cotton moss¹⁴; sharp flat-leaved feather-moss²⁰; forest silk moss²⁵
Plagiothecium laetum Schimp. in B.S.G.: denticulate leafed rope¹³; glossy cotton moss¹⁴; wood silk moss²⁵

Plagiothecium latebricola Schimp. in B.S.G.: lurking leskea⁸; hidden leskea¹¹; alder silk moss²⁵

Plagiothecium piliferum (Sw. ex Hartm.) Schimp. in B.S.G.: hair silk moss²⁵

Plagiothecium undulatum (Hedw.) Schimp. in B.S.G.: wavy plagiothecium⁵; waved feather moss^{7, 11}; wavy-leaf cotton moss¹⁴; path silk moss²⁵

Pleuroziopsidaceae

Pleuroziopsis Kindb. ex Britt.: tree moss¹⁴

Pleuroziopsis ruthenica (Weinm.) Kindb. ex Britt.: 10,000 year herb of Mt. Fuji¹³; common tree moss¹⁴

Pterigynandraceae

Heterocladium Schimp. in B.S.G.: differential-branching moss¹⁴; tangle moss²⁵

Heterocladium dimorphum (Brid.) Schimp. in B.S.G.: dimorphous feather moss⁸; hair-like feather moss¹¹; spaced-out tangle moss²⁵

Iwatsukiella leucotricha (Mitt.) Buck & Crum: hairy-leaf-tip soft-teeth moss¹⁴

Myurella Schimp. in B.S.G.: mousetail (slender branches)⁹; reishi moss (a kind of fruit)¹³; small-mouse-tail moss¹⁴; round moss²⁵

Myurella julacea (Schwaegr.) Schimp. in B.S.G.: slender leskea¹¹; shell moss¹³; common small-mouse-tail moss¹⁴; round moss²⁵

Myurella sibirica (C. Müll.) Reim.: reishi moss (a kind of fruit)¹³; Siberian small-mouse-tail moss¹⁴

Myurella tenerrima (Brid.) Lindb.: acute-leaved shell moss¹³; hair round moss²⁵

Pterigynandrum Hedw.: side-inflorescence moss¹⁴

Pterigynandrum filiforme Hedw.: thread-like wing moss¹¹; twisted thread moss¹³; common side-inflorescence moss¹⁴; rope moss²⁵

Rhytidiaceae

Rhytidium (Sull.) Kindb.: droop-branch moss¹⁴

Rhytidium rugosum (Hedw.) Kindb.: wrinkle-leaved feather moss^{8, 11}; thick moss¹³; common droop-branch moss¹⁴; beruffled moss²⁵

Sematophyllaceae

Acroporium Mitt.: ink brush moss¹³; apical pore moss¹⁴

Brotherella Loeske ex Fleisch.: mirror moss¹³; small brocade moss¹⁴

Brotherella recurvans (Michx.) Fleisch.: common raphidostegium¹

Heterophyllum (Schimp.) C. Müll. ex Kindb.: decayed-wood moss¹⁴

Heterophyllum affine (Hook. in Kunth) Fleisch.: forest herb moss¹³

Sematophyllum Mitt.: long beak moss¹³; brocade moss¹⁴

Sematophyllum demissum (Wils.) Mitt.: prostrate rock feather moss¹¹; common brocade moss¹⁴

Sematophyllum subpinnatum (Brid.) Britt.: green-patch feather moss⁸; tuft brocade moss¹⁴

Taxithelium Spruce ex Mitt.: papillose-brocade moss¹⁴

Taxithelium planum (Brid.) Mitt.: common papillose-brocade moss¹⁴

Wijkia Crum: thorn-branch moss¹⁴

Stereophyllaceae

Stereophyllum Mitt.: stiff-leaf moss¹⁴

Thamnobryaceae

Porotrichum (Brid.) Hampe: stiff-branch moss¹⁴

Thamnobryum Nieuwl.: bush or tree moss⁹; large tiger tail moss¹³; wood moss¹⁴

Theliaceae

Thelia Sull. in Sull. & Lesq.: papilla⁹; scale moss¹⁴

Thelia hirtella (Hedw.) Sull. in Sull. & Lesq.: common thelia^{1, 2}

Thuidiaceae

Abietinella abietina (Hedw.) Fleisch.: wiry fern moss^{1, 2}; spruce-tree feather moss⁸; pine-tree feather moss¹¹; fir fern moss¹³; mountain plume moss¹⁴; gravel comb moss²⁵

Cyrt-hypnum minutulum (Hedw.) Buck & Crum: tiny cedar moss⁴; fine plume moss¹⁴

Raiiella praelonga (Schimp. ex Besch.) Wijk & Marg.: small-leafed silk moss¹³

Raiiella scita (P. Beauv.) Reim.: smaller fern moss¹

Thuidium Schimp. in B.S.G.: small feathery branched tree⁹; fern mosses^{1, 2, 6, 10}; cedar mosses⁴; fern moss^{13, 16}; plume moss¹⁴; little cedar¹⁷; arbor-vitae moss²⁵

Thuidium delicatulum (Hedw.) Schimp. in B.S.G.: common fern moss^{1, 2, 6, 10}; delicate fern moss³; dainty cedar moss⁴; delicate feather moss¹¹; small-leafed Hokkaido fern moss¹³; fine-branch plume moss¹⁴

Thuidium philibertii Limpr.: inclined arbor-vitae moss²⁵

Thuidium recognitum (Hedw.) Lindb.: Hokkaido fern moss¹³; hook-leaf plume moss¹⁴; chalk arbor-vitae moss²⁵

Thuidium tamariscinum (Hedw.) Schimp. in B.S.G.: tamarisk-leaved feather moss^{7, 11}; proliferous feather moss⁸; large fern moss¹³; common plume moss¹⁴; tamarisk feather-moss²⁰; large arbor-vitae moss²⁵

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