

## Bibliography and checklist of foliicolous lichenized fungi up to 1992

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**Abstract:** Bibliographic records are presented of 324 scientific papers on foliicolous lichenized fungi published subsequent to Santesson's survey of 1952. The 482 species presently known are listed in an alphabetical checklist, with references to important descriptions, keys and illustrations published by or after Santesson (1952), and an indication of the distribution. Also added are all synonyms used after 1952. Introductory chapters deal with the present state of research on foliicolous lichens and its history. The following new combination is proposed: *Strigula smaragdula* Fr. var. *stellata* (Nyl. & Cromb.) Farkas.

### Introduction

In 1952 Santesson published a revision of the taxonomy of the obligately foliicolous lichenized fungi, which included a survey of all known taxa and of all relevant literature until that time. Since then, a large amount of new information on taxonomy, distribution, and to a lesser extent ecology, has been published. This information is contained in many papers in various different journals and books, some of them not easily accessible, so that a new survey is necessary. A first attempt was made by Farkas (1986a), who listed 93 papers published between 1952 and 1985. It soon became apparent that this

list was far from complete. Moreover, the yearly output of publications on the subject was increasing rapidly, so that an updated version of the bibliography and a checklist seemed necessary.

In this joint account, E. F. has contributed most of the introduction, the bibliography and the list of new taxa after 1952 with literature citations, H. S. most of the annotations of the checklist.

It is planned to update the lists regularly. Therefore the authors would be pleased to be informed about omissions in the lists below, as well as about new publications.

### Foliicolous lichens - What is known today?

Foliicolous lichens are lichenized fungi colonizing *living* leaves and leaf-like organs (photosynthetic laminae) of plants. They form an ecologically defined group, distinguished on the basis of the substrate colonized. At present many taxa are known exclusively from leaves, so that the ecological delimitation has great practical value. However, a number of common foliicolous lichens occur more or less frequently on other substrates as well. These are generally included in publications on foliicolous lichens, e.g. *Byssolema leucoblepharum*. Taxa which grow only incidentally on leaves are generally excluded.

For lichens which are known exclusively from leaves, the term 'obligately' foliicolous was introduced by Santesson (1952), as opposed to 'facultatively' foliicolous. Sérusiaux (1977) introduced the terms 'eufoliicolous' and 'pseudofoliicolous' lichens, also describing further categories in these groups. Later he used the terms 'obligately' and 'facultatively' foliicolous lichens, mentioning also 'knot species' and 'petiole and twig species' (Sérusiaux 1989b). In the lichenological literature the term 'foliicolous lichens' is generally used for obligately foliicolous taxa, with some extensions as indicated above.

Non-obligate foliicolous lichens may include such species which normally grow on very different substrates but occasionally colonize leaves, e.g. *Flavoparmelia caperata* in South-western Europe. More often it concerns species which are found on substrates similar to leaves, e.g. petioles and twigs. It is quite possible that more "obligate" foliicoles turn up eventually on such other substrates, since the lichen flora of petioles and twigs is generally much less known than that of leaves. Facultative foliicoles can be particularly common under certain circumstances, e.g. on sclerophyllous shrubs in humid subalpine vegetation in the tropics, where they may dominate over the "obligates".

Most foliicolous lichens have close taxonomic relations with groups living on other substrates. Most of their genera are found on other substrates as well. Some genera include also non-lichenized taxa, e.g. *Opegrapha*.

Phorophytes for foliicolous lichens are found throughout the Spermatophyta and Pteri-

dophyta, and exceptionally in the Bryophyta, e.g. *Macentina hepaticola* living on the liverwort *Radulaflaccida* (Döbbeler & Vezda 1982). Moss-inhabiting ('muscolous') lichens which overgrow complete bryophyte shoots are not considered as foliicolous. Host specificity seems not to be very pronounced. However, for most tropical taxa no precise data are available as yet. Different lichen floras might be expected on different phorophytes, because the roughness of the surface varies between different species (Farkas 1993). Chemical substances produced by the host plant may also have an effect on the colonisation of leaves (Galloway 1992b).

Leaves are available as substrates for foliicolous lichens for 3-15 months (needles of conifers for 2-3 years) being mostly evergreens or belonging to the leaf-exchanging type (see Longman & Jenik 1987 for terminology). Colonized leaves are mostly cuticulate (Spermatophyta), or in a few groups (of Pteridophyta, Bryophyta) non-cuticulate (Ogura 1972, Schofield & Héban 1984, Stace 1965, Watson 1964). Lichens can live both over, and under the cuticle, on both surfaces and at the edge of the leaves, as illustrated by Sérusiaux (Fig. 2 in 1989b). Neither subcuticular (undercuticular) species (e.g. *Strigula* sp. - Margot 1977), nor supracuticular (overcuticular) ones (e.g. *Fellhanera* ("*Catillaria*") *bouteillei* - Modenesi et al. 1986) penetrate into the cells of the host plant. There is only adhesion between hyphae and epidermis cells. Consequently foliicolous lichens are not regarded as parasites although exchange of nutrients has not been investigated.

Carboxylated acid polysaccharides produced by the hypothallus hyphae of *Fellhanera bouteillei* can stay for an indeterminate length of time, in a state of sufficient hydration to ensure maintenance of a basic lichen metabolism during dehydration periods in the lichen thallus (Modenesi et al. 1986). These substances might also possibly act as effective protection against bacterial parasites and saprophytes commonly present in the phyllosphere (see also Preece & Dickinson 1971).

The ecological role of foliicolous lichens and their significance as environmental indicators have not yet been sufficiently studied. Environmental conditions affecting the colonization

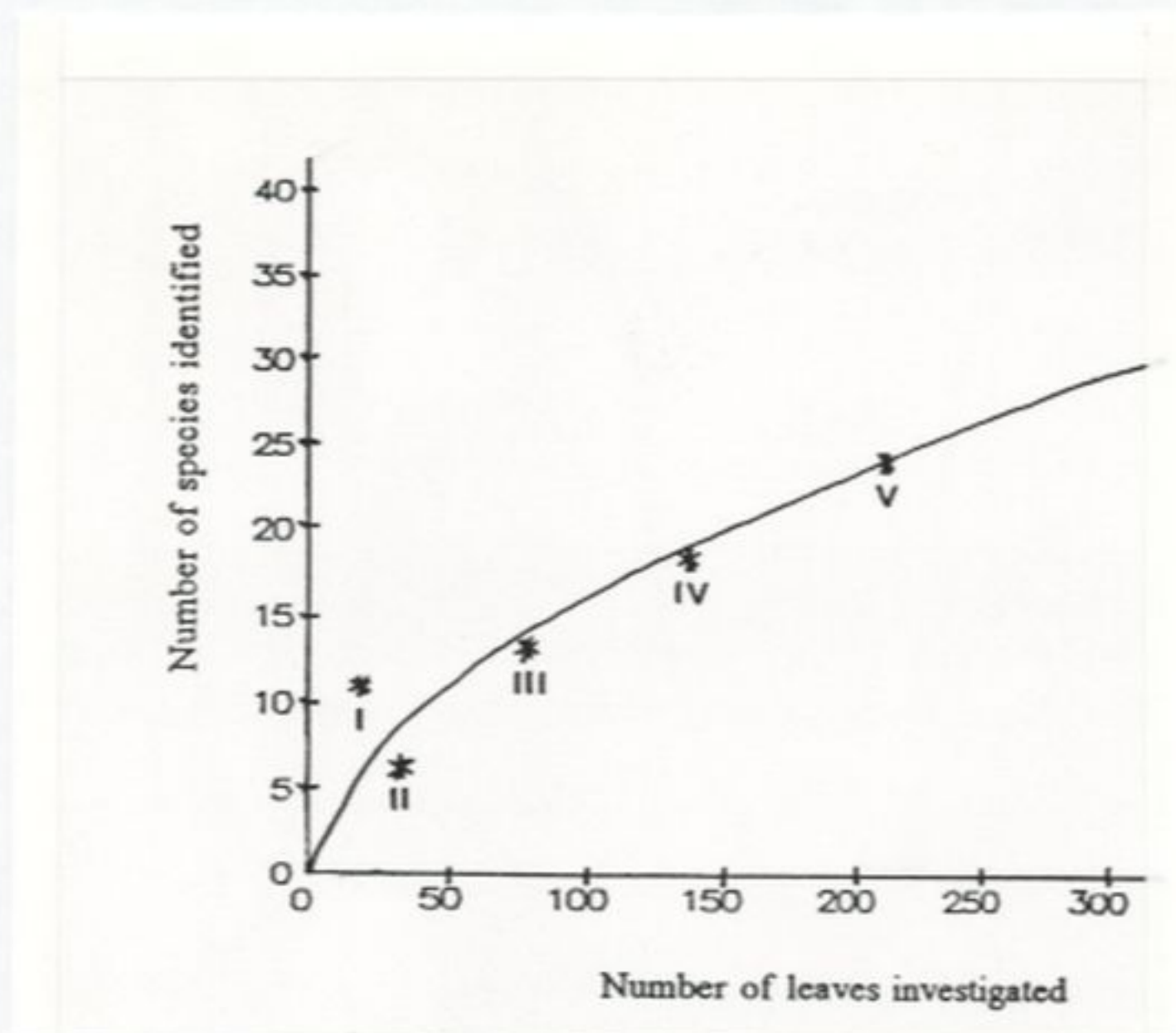


Fig. 1. Relation between species number and sample size in five localities on Mt. Kanga, Tanzania. I = lowland rainforest at 800-900 m alt. (87226); II = evergreen and semi-evergreen forest at 600-800 m alt. (89114); III = submontane, evergreen forest at 900-1250 m alt. (87227); IV = submontane rainforest at 800-1200 m alt. (89110); V = rocky forest at 1200-1300 m alt. (89112).

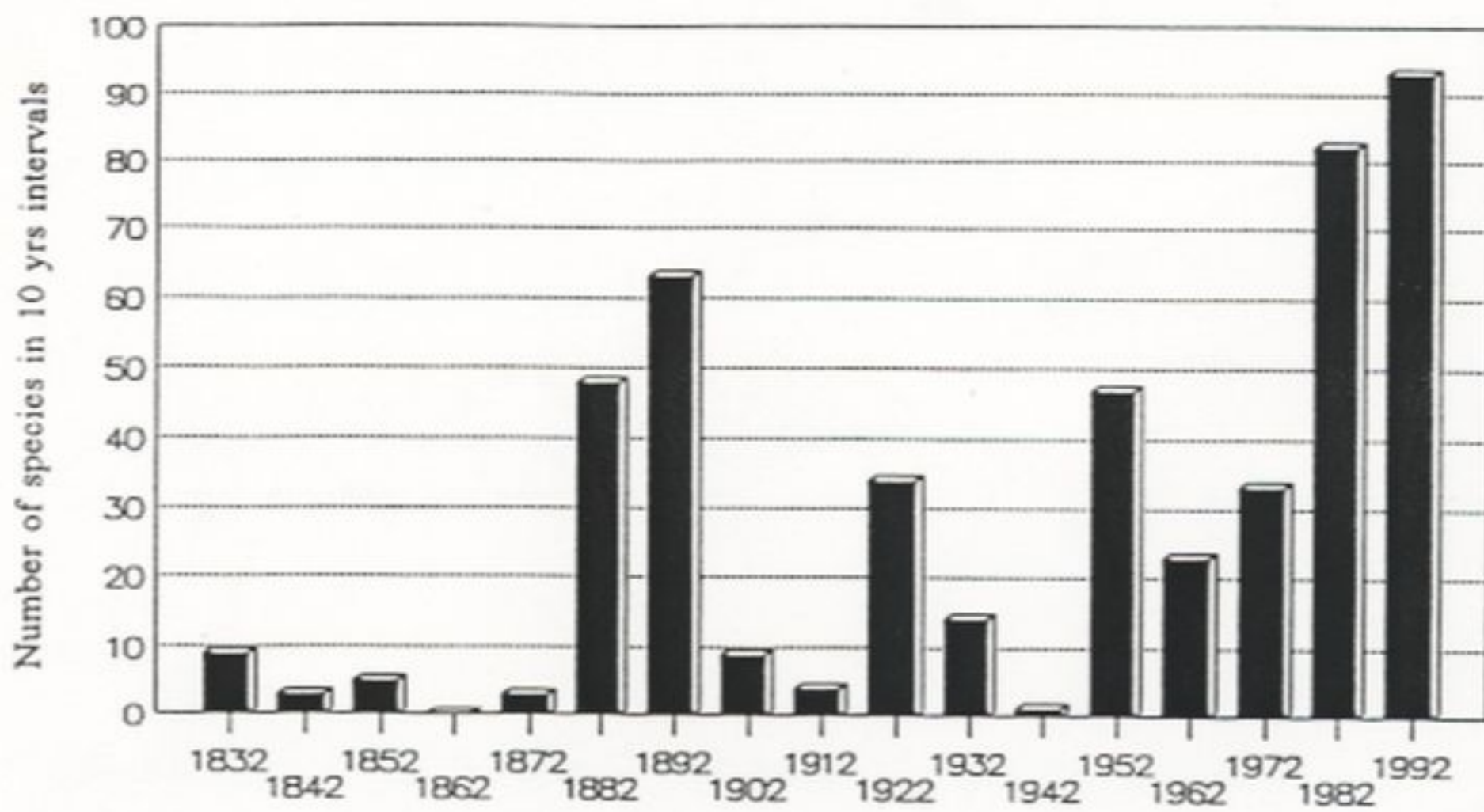


Fig. 2. The number of new foliicolous lichen species described from 1824 to 1992, in 10-year intervals. The peaks at 1882 and 1892 reflect mainly the work of Müller Arg., the peak at 1922 the work of Vainio on Philippine lichens and the 1952 peak Santesson's monograph. Afterwards there is a steady increase.



of leaves by lichens are reviewed by Farkas (1993).

From what is currently known it might be concluded that foliicolous lichens occupy a niche that is not, or is less commonly, used by other organisms. The most abundant growth of foliicolous lichens is found in tropical rainforests, although a few species occur in temperate regions as well. They are present in various vegetation types from sea level up to some 2500 m altitude. Above this elevation they are generally considered to be scarce (Santesson 1952, Gradstein 1992). To date, foliicolous lichen records are mostly from the understorey. The lichen flora of the understorey is different from that of the canopy because of the different light conditions (Sipman & Harris 1989). Forest type and elevation also influence the composition of the foliicolous lichen flora (Lücking 1992c).

On leaves which have a foliicolous lichen cover, 5-50 species may be found. The species number is the result of colonization by species with different ecological preferences. The species number increases quickly on young leaves until a constant value is reached (Conran & Rogers 1983).

#### **A short history of foliicolous lichen research**

The first report of foliicolous lichens was published in 1823 by Elias Fries, when he described the genus *Strigula*, including foliicolous species. Fée (1824) was the first to treat foliicolous lichen groups in detail, describing and illustrating 13 species in 9 genera.

The bulk of foliicolous lichens discovered in the last century were described by Montagne, Nylander, Babington, Leighton, Müller Argoviensis, Krempelhuber and Stirton. Between 1890 and 1926, Vainio described another 40 species. His work was continued by Zahlbruckner, Malme and Schilling. By 1952 the number of published foliicolous lichens was 997 taxa in 176 genera, described by some 50 authors (Santesson 1952).

Santesson (1952) summarized knowledge of obligately foliicolous lichens. As a result of his taxonomic revisions he distinguished 236 species in 38 genera, belonging to 10 families

and Fungi Imperfecti. He made considerable taxonomic rearrangements (67 new combinations, 747 new synonyms) and described 44 new species and 2 new genera (*Lasioloma* and *Phyllophiale*). A great value of his work is its completeness, which makes it a convenient guide to the taxonomy of foliicolous lichens. It deals with all genera and species having foliicolous representatives, and arranges them in a taxonomic order following the system developed by Nannfeldt (1932) for non-lichenized Ascomycetes. Each species and genus is provided with a detailed description in English, supplemented with extensive distribution data and ecological notes. The monograph is richly illustrated with precise, photograph-like ink drawings of the thalli. Unfortunately, there are only a few illustrations of ascospores and no illustrations of other anatomical details.

In the decades following, several authors published data on foliicolous lichens from regions less well represented in Santesson's study (e.g. Awasthi & Singh 1972a, 1972b, 1973, Awasthi & Mathur 1987, Upreti & Singh 1987a, 1987b - India; Hawksworth 1972, Thrower 1988 - Hong Kong). From 1960 to 1972 Batista, Cavalcante and their co-workers described a number of taxa (34 genera, 48 species) from Brasil. Many of the descriptions are based on thalli with asexual reproductive organs (anamorphs). The corresponding sexual stages (teleomorphs) have to be established, because it may concern the oldest and therefore valid names for them, since Art. 59 of the International Code of Botanical Nomenclature (1988), referring to the names of pleomorphic fungi, does not apply to lichenized fungi.

From 1966 on Vezda described 76 additional species by himself and 40 together with co-authors. He also described 13 genera, most of them belonging to the families Ectolechiaceae and Gomphillaceae. Vezda emphasized the systematic value of asexual reproductive organs (campylidia - Vezda 1986, hyphophores - Vezda & Poelt 1987, pycnidia - Vezda & Farkas 1988) as criteria for higher taxonomic ranks and at species level (see also Farkas 1987b, 1991). Most of Vezda's papers have illustrations showing anatomy of the thallus and the ascomata, asci, paraphyses, ascospores and asexual reproductive

organs and diaspores.

The pioneering work of Santesson and Vezda has resulted in a wide range of recent studies. Sérusiaux (see Bibliography) described 21 species from different geographical areas between 1976 and 1992. He also presented syntheses of the most important new results from ecological and chorological research on foliicolous lichens (Sérusiaux, 1977, 1989b). Farkas (1987a, 1990b, 1990c, 1991) studied the foliicolous lichen flora of East-African rainforests. The Malesian foliicolous lichens are now better known through the work of Aptroot and Sipman (1989, 1991), and Sammy (1980). Several authors published on the foliicolous flora of Australia (Santesson & Tibell 1988, Lumbsch & Vezda 1990, Sipman 1991a, Vezda & Hafellner 1991, Vezda & Kalb 1991) and Tasmania (Kantvilas & Vezda 1988, 1992). The foliicolous lichens of the Neotropics were studied by Nowak & Winkler (1971, 1972, 1975), Sipman (1990a, 1991b, 1992, Sipman & Aptroot 1992), Kalb & Vezda (1988a, 1988b, 1990) and recently by Lücking (1991, 1992a) who described 15 new species from Costa Rica. The occurrence of foliicolous lichens in temperate regions has also received considerable recent attention (Vezda & Vivant 1971, Vitt & al. 1973, Modenesi & Serrato 1984, Poelt & Vezda 1992, Tucker 1979, Sérusiaux 1979b, Vezda 1983).

As a result of descriptions of new species by 45 authors, 482 foliicolous species are known today, more than twice as many as were known 40 years ago.

Taxonomy and floristics are still the most important fields of foliicolous lichen research. On the one hand, most foliicolous lichens belong to less well-known crustose lichen groups, which still require much taxonomic work. On the other hand most foliicolous lichens grow in tropical areas where the habitats are often of difficult access and probably always undercollected. As Fig. 1 shows, the larger the collection is, the higher the number is of taxa identified. Localities where over 250 leaves have been investigated are unusual, therefore most localities already investigated are likely to be incompletely known. It is equally likely that a large number of species have not yet been described, because newly explored areas always yield new taxa. The increa-

sing production of foliicolous lichen taxonomy is illustrated in Fig. 2, which gives the number of new foliicolous lichen species described in 10 year periods from 1824 to 1992.

Morphological and anatomical investigations of foliicolous lichens are mostly restricted to the level of the light microscopy. Only a few SEM and TEM studies have been published (Margot 1977, Eriksson 1981, Sérusiaux 1984, 1985, Modenesi et al. 1986). Chemical investigations are equally very scarce. Because of the small size of the thalli of foliicolous lichens chemical spot reactions are rarely used. J. Santesson (1970) investigated pigments of a few species. Elix & al. (1992), applying modern analytical methods to foliicolous lichens, investigated *Sporopodium* species by TLC, HPLC and LMS (lichen mass spectra).

In the field of ecology, more extended field observations similar to those of Schell & Winkler (1981), Conran & Rogers (1983) or Lücking (1992b, 1992c) are needed. Modern anatomical and analytical methods should be combined with current methods of experimental ecology (Lewis & Taylor 1967, Pearcy et al. 1991, Roughgarden et al. 1989, Smith 1990).

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### References to the introduction

- Brummitt, R. K. & C. E. Powell 1992: Authors of plant names. - Royal Botanic Garden, Kew, p. 1-732.
- Eriksson, O. & Hawksworth, D. L. 1991: Outline of the Ascomycetes, 1990. - Systema Ascomycetum 9: 39-271.
- Farkas, E. 1993: Environmental conditions affecting colonization of lichens on leaves. Cryptog. Bot. (offered for publication).
- Fée, A. L. A. 1824: Essai sur les Cryptogames des écorces exotiques officinales. - Paris.
- Fries, E. M. 1823: Systema mycologicum. II. - Greifswald.
- Hawksworth, D. L., Sutton, B. C. & Ainsworth, G. C. 1983: Ainsworth & Bisby's dictionary of the fungi. - Commonwealth Mycological Institute, Kew, Surrey, p. 1-445.
- ICBN 1988: International Code of Botanical Nomenclature. Adopted by the Fourteenth International Botanical Congress, Berlin, July - August 1987. - Regnum vegetabile (ed. W. Greuter) Vol. 118 - Koeltz Scientific Books, Königstein, p. 1-328.
- Lewis, T. & L. R. Taylor 1967: Introduction to experimental ecology. - Academic Press, London, New York, p. 1-401.
- Longman, K. A. & J. Jenik 1987: Tropical forest and its environment. - Longman Scientific & Technical, New York, p. 1-347.
- Nannfeldt, J. A. 1932: Studien über die Morphologie und Systematik der nicht-lichenisierten inoperculaten Discomyceten. - Nova Acta Reg. Soc. Sci. Upsal. ser. IV, vol. 8. Uppsala.
- Ogura, Y. 1972: Comparative anatomy of vegetative organs of the pteridophytes. - Gebrüder Borntraeger, Berlin, Stuttgart, Bd. VII, Teil 3, p. 1-502.
- Pearcy, R. W., J. Ehleringer, H. A. Mooney & P. W. Rundel 1991: Plant physiological ecology. Field methods and instrumentation. - Chapman & Hall, London, p. 1-

457.

- Preece, T. C. & C. H. Dickinson (eds) 1971: Ecology of leaf surface. - Academic Press, London, p. 1-640.
- Roughgarden, J., R. M. May & S. A. Levin 1989: Perspectives in ecological theory. - Princeton University Press, Princeton, New Jersey, p. 1-394.
- Santesson, R. 1952: Foliicolous lichens I. - Symb. bot. upsal. 12(1): 1-590.
- Schofield, W. B. & C. Héban 1984: The morphology and anatomy of the moss gametophore. In: Schuster, R. M. (ed.): New manual of Bryology. - The Hattori Botanical Laboratory, Nichinan, Miyazaki, Japan, p. 627-657.
- Smith, R. L. 1990: Ecology and field biology. - Harper Collins Publishers, New York, p. 1-922.
- Stace, C. A. 1965: Cuticular studies as an aid to plant taxonomy. - Bull. Br. Mus. nat. Hist. (Bot.) 4(1): 3-78.
- Watson, E. V. 1964: The structure and life of bryophytes. - Hutchinson University Library, London, p. 1-192.

### Bibliography of foliicolous lichenized fungi, 1952-1992

- Abbott, B. 1988: *Fellhanera (Catillaria) bouteillei*. In: New, rare and interesting British lichen records. - British Lichen Society Bulletin 63: 34.
- Almborn, O. 1960-1991: Lichenes Africani. [Schedae]: Fasc. II, no. 26 (1960); Fasc. IV, no. 77 (1974); Fasc. VI, no. 130 (1991). - Lund, p. 1-10. [in singulis schedis].
- Aptroot, A. 1989: Contribution to the Azores lichen flora. - Lichenologist 21: 59-65.
- Aptroot, A. 1991a: Tropical pyrenocarpous lichens. A phylogenetic approach. In: Galloway, D. J. (ed) Tropical lichens: Their systematics, conservation, and ecology. - Systematics Association Special Volume 43: 253-273, Clarendon Press, Oxford.
- Aptroot, A. 1991b: A monograph of the Pyrenu-

- laceae (excluding *Anthracotheceium* and *Pyrenula*) and the Requienellaceae, with notes on the Pleomassariaceae, the Trypetheliaceae and *Mycomicrothelia* (lichenized and non-lichenized Ascomycetes). - *Bibl. Lichenol.* 44: 1-178.
- Aptroot, A. & H. Sipman 1989: New lichen records from the Philippines. - *Acta Bryolichenologica Asiatica* 1: 31-41.
- Aptroot, A. & H. Sipman 1991: New lichens and lichen records from New Guinea. - *Willdenowia* 20: 221-256.
- Arvidsson, L. 1982: A monograph of the lichen genus *Coccocarpia*. - *Opera Botanica* 67: 1-96.
- Arvidsson, L. 1986: The lichen flora of Ecuador. In: øllgaard, B. & U. Molau (eds) *Reports from the Botanical Institute, University of Aarhus, No. 15. Current Scandinavian Botanical Research in Ecuador*, p. 13-19.
- Arvidsson, L. 1991: Lichenological studies in Ecuador. In: Galloway, D. J. (ed) *Tropical lichens: Their systematics, conservation, and ecology*. - *Systematics Association Special Volume* 43: 123-134, Clarendon Press, Oxford.
- Arvidsson, L. & S. Wall 1985: Contribution to the lichen flora of Madeira. - *Lichenologist* 17: 39-49.
- Asahina, Y. & S. Kurokawa 1952: On the harmful effect of epiphytic lichens upon the higher plants. (I). - *Misc. Rep. Res. Inst. Natural Resources* 25: 83-86.
- Awasthi, D. D. 1963: Some noteworthy additions to the lichen flora of India and Nepal. - *University of Colorado Studies, Series in Biology* 10: 28-36.
- Awasthi, D. D. 1965: Catalogue of the lichens from India, Nepal, Pakistan, and Ceylon. - *Beih. Nova Hedwigia* 17: 1-137.
- Awasthi, D. D. 1991: A key to the microlichens of India, Nepal and Sri Lanka. - *Bibl. Lichenol.* 40: 1-337.
- Awasthi, D. D. & M. R. Agarwal 1969: On the species of *Cryptothecia* from Darjeeling district, India. - *J. Indian bot. Soc.* 48: 62-72.
- Awasthi, D. D. & M. R. Agarwal 1970: An enumeration of lichens from the tropical and subtropical regions of Darjeeling district, India. - *J. Indian bot. Soc.* 49: 122-136.
- Awasthi, D. D. & R. Mathur 1987: Species of the lichen genera *Bacidia*, *Badimia*, *Fellhamera* and *Mycobilimbia* from India. - *Proc. Indian Acad. Sci. (Plant Sciences)* 97(6): 481-503.
- Awasthi, D. D. & K. P. Singh 1972a: Foliicolous lichens from the Palni and Nilgiri Hills, India. - *Proc. Indian Acad. Sci., Sect. A*, 76(3): 117-132.
- Awasthi, D. D. & K. P. Singh 1972b: Four new taxa of lichens from Palni and Nilgiri Hills, India. - *Norw. J. Bot.* 19: 239-242.
- Awasthi, D. D. & K. P. Singh 1973: A synopsis of the foliicolous lichens from the Nilgiri and Palni Hills, India. - *Geophytology* 3: 13-25.
- Barchalov, S. O. 1962a: Tropicheskiy rod *Tricharia* Fee iz Talysha (Azerbaydzhan). [A tropical genus *Tricharia* Fée in Talysh, Azerbaydzhan]. - *Dokl. Akad. Nauk Azerb.* 18(8): 43-44.
- Barchalov, S. O. 1962b: *Tapellaria* Müll. Arg. novij dlja SSSR rod iz Talysha (Azerbaydzhan). [*Tapellaria* Müll. Arg., a new genus for the lichen flora of U.S.S.R. from Talysh, Azerbaydzhan]. - *Dokl. Akad. Nauk Azerb.* 18(9): 49-51.
- Barchalov, S. O. 1975: Lichenoflora Talysha. (Obschaja chast). [Lichen flora of Talysh. General aspects]. - *Iz. ELM, Baku*, p. 1-153.
- Barchalov, S. O. 1983: Flora lishajnikov Kavkaza. [Lichen flora of the Caucasus]. - *Iz. ELM, Baku*, p. 1-338.
- Barillas, R. & R. Lücking 1992: Líquenes foliícolas de Guatemala. Un estudio taxonómico preliminar. *Cryptogamie, Bryol. Lichénol.* 13(4): 297-317.
- Batista, A. C. 1961: Um pugilo de gêneros novos de Líquens Imperfeitos. - *Publções Inst. Micol. Recife* 320: 1-31.
- Batista, A. C. & J. L. Bezerra 1961: *Arthrobostryomyces*, *Dothiomyces* e *Kilikiostroma*, novos gêneros de Líquens Imperfeitos. - *Publções Inst. Micol. Recife* 321: 1-20.
- Batista, A. C. & W. A. Cavalcanti (1962)1964a: Uma nova espécie de *Strigula* do Amazonas. - *Anais Congr. Soc. bot. Brasil XIII*:

- 472-473. (publ 362)
- Batista, A. C. & W. A. Cavalcanti (1962-1964)1964b: Novos Hyphomycetes de micélio hifopodiforme. - Portug. Acta Biol., Sér. B, 7(4): 347-360. (publ 418)
- Batista, A. C. & H. S. Maia 1961: *Asbolisiomyces*, *Cyrta* e *Chaetomonodorus* - novos gêneros de Líquens Imperfeitos. - Publicações Inst. Micol. Recife 322: 1-19.
- Batista, A. C. & H. S. Maia 1965a: Alguns novos gêneros de líquens imperfeitos assinalados no IMUR. - Atas Inst. Micol. 2: 351-373. (publ 415)
- Batista, A. C. & H. S. Maia 1965b: *Caprettia*, novo gênero de ascoliquen, em homenagem ao micólogo venezuelano, Corrado Capretti. - Atas Inst. Micol. 2: 375-382. (publ 416)
- Batista, A. C. & H. S. Maia 1967: Novos líquens imperfeitos do Amazonas e de Pernambuco. - Atas Inst. Micol. 5: 55-71. (publ 562)
- Batista, A. C. & G. E. P. Peres (1963)1964: Líquens Imperfeitos: novos gêneros e espécies de Manaus. - Anais Congr. Soc. bot. Brasil XIV: 89-102.
- Batista, A. C. & D. J. M. Poroca (1969)1970: Uma nova espécie de *Echinoplaca*, da Amazônia. - Publicações Inst. Micol. Recife 635: 1-8.
- Batista, A. C., J. L. Bezerra & H. S. Maia 1960: *Vonarxian*. gen. e outros Imperfecti Fungi. - Publicações Inst. Micol. Recife 283: 1-32.
- Batista, A. C., J. L. Bezerra & G. E. P. Peres 1963: Novos fungos Peltasteraceae. - Publicações Inst. Micol. Recife 222: 1-14.
- Batista, A. C., J. A. Lima & M. A. Taltasse 1962: *Pycnocliospora* - Um novo gênero de líquens imperfeitos. - Publicações Inst. Micol. Recife 251: 1-24.
- Batista, A. C., J. L. Bezerra, T. T. Barros & F. B. Leal 1969: *Byssopeltis* - um novo representante da micoflora do Maranhão. - Publicações Inst. Micol. Recife 636: 1-10.
- Batista, A. C., H. S. Maia, W. F. Santos & J. L. Bezerra 1967: Algumas espécies de *Mazozia* comuns em o norte e nordeste do Brasil. - Atas Inst. Micol. 5: 429-445. (publ 611)
- Batista, A. C., R. C. Valle, W. A. Cavalcanti, G. E. P. Peres & J. L. Bezerra 1961: Três novos gêneros de Líquens Imperfeitos, do Amazonas. - Publicações Inst. Micol. Recife 319: 1-42.
- Bezerra, J. L., L. Xavier Filho & W. A. Cavalcante 1970: Algumas espécies de *Trichothelium* da região Amazônica. - Brotéria 39: 221-229.
- Bezerra, J. L., A. C. Batista, D. J. M. Poroca, W. A. Cavalcanti & W. F. Santos 1967: Líquens e algas foliícolas de essências florestais do noroeste do Maranhão. - Atas Inst. Micol. 5: 375-422. (publ 605)
- Blum, O. B., A. V. Dombrovskaya, C. N. Inashvilli, A. V. Piterans, E. G. Roms & V. P. Savicz 1975: Opredelitel lishajnikov SSSR. Vyp. 3. Kalicievye ø Gialektovyve. (Handbook of the lichens of the U.S.S.R. 3. Caliciaceae ø Gyalectaceae). - Iz. Nauk, Leningrad, p. 1-273.
- Borhidi, A., E. Farkas & T. Pócs 1989: Trópusi projektek taxonómiai eredményei. [Taxonomic results of tropical projects]. In: A biodiverzitás tanulmányozásának módszerei és eredményei. [Methods and results of biodiversity studies]. - Poszterkivonatok [Abstracts of posters], Budapest, p. 4.
- Bricaud, O., C. Coste, T. Ménard & C. Roux 1991: Champignons lichénicoles de la France méridionale (Corse comprise): espèces nouvelles et intéressantes (V). - Bull. Soc. linn. Provence 42: 141-152.
- Brusse, F. A. 1991a: Eight new species in the lichen genus *Parmelia* (Parmeliaceae, Ascomycotina) from Southern Africa with notes on Southern African lichens. - Mycotaxon 40: 377-393.
- Brusse, F. A. 1991b: A new species in the lichen genus *Parmelia* (Parmeliaceae, Ascomycotina), from the Blouberg, Northern Transvaal, South Africa, with further notes on Southern African lichens. - Mycotaxon 42: 163-169.
- Brusse, F. A. 1992: Gomphillaceae (Lichenes). A new species of *Bullatina* from the Transkei Wild Coast. - Bothalia 22(1): 44-46.
- Brusse, F. A. & C. H. Dickinson 1991: A new foliicolous species in the lichen genus *Porina* (Porinaceae, Pyrenulales) from Southern Africa. - Mycotaxon 42: 347-



- 350.
- Cavalcante, W. A. 1969: Um novo Binômio da Família Asbolisiaceae. - *Publicações Inst. Micol. Recife* 633: 1-7.
- Cavalcante, W. A., J. L. Bezerra & F. B. Leal 1972 ("Cavalcante et al. 1972a"): Novos ascolíquens do Brasil. - *Publicações Inst. Micol. Recife*, 675: 1-17.
- Cavalcante, W. A., A. A. S. A. S. Cavalcante & F. B. Leal 1972 ("Cavalcante et al. 1972b"): Coletânea de Líquens Imperfeitos. - *Publicações Inst. Micol. Recife* 647: 1-46.
- Cavalcante, W. A., D. J. M. Poroca, G. E. P. Peres & F. B. Leal 1971: Contribuição ao estudo dos deuterolíquens foliícolas. - *Publicações Inst. Mycol. Recife* 668: 1-17.
- Champion, C. L. 1976: Algunos líquenes nuevos para las Islas Canarias. - *Vieraea* 6(1): 25-32.
- Champion, C. L. & L. Sánchez Pinto 1978: Catalogo preliminar de los líquenes de las islas Canarias. - Instituto de Estudios Canarios, Santa Cruz de Tenerife, p. 1-38.
- Chapman, R. L. 1975: Light and electron microscopic observations on the lichen *Strigula* sp. - *J. Phycol.* 11 (suppl.): 9.
- Chapman, R. L. 1976: Ultrastructural investigations on the foliicolous pyrenocarpous lichen *Strigula elegans* (Fée) Müll. Arg. - *Phycologia* 15: 191-196.
- Choisy, M. 1955: Une station de Lichens foliícolas en Savoie. - *Bull. mens. Soc. linn. Lyon* 24(7): 186.
- Clauzade, G. & C. Roux 1985: Likenøj de okcidenta Eþropo. Ilustrita determinlibro. - *Bulletin de la Société Botanique du Centre-Ouest, N. S., Num. spec.* 7: 1-893.
- Conran, J. G. & R. W. Rogers 1983: Lichen succession on leaves of *Wilkiea macrophylla* in Southeast Queensland. - *Bryologist* 86: 347-353.
- Coppins, B. J. 1971: Field meeting in Brittany. - *Lichenologist* 5: 149-169.
- Coppins, B. J. 1983: A taxonomic study of the lichen genus *Micarea* in Europe. - *Bull. Br. Mus. nat. Hist. (Bot.)* 11(2): 17-214.
- David, J. C. & D. L. Hawksworth 1991: Validation of six family names of lichenized ascomycetes. - *Systema Ascomycetum* 10(1): 13-18.
- De Foucault, B., E. Sérusiaux & C. Van Haluwyn 1982: Une nouvelle station française de lichens foliícolas dans le Massif central occidental (Aveyron). - *Cryptogamie, Bryol. Lichénol.* 3: 73-76.
- Dennis, R. W. G. 1965: Fungi Venezuelani: VII. - *Kew Bulletin* 19(2): 231-273.
- Dennis, R. W. G. & M. B. Ellis 1952: *Capnodium footii* and *Strigula babingtonii*. - *Transactions British Mycological Society* 35: 196-200.
- De Sloover, J. R. & E. Sérusiaux 1984: Une station de lichens foliícolas en Provence. - *Cryptogamie, Bryol. Lichénol.* 5: 291.
- De Wilde-Duyfjes, B. E. E. 1967: On the growth rate of the foliicolous lichen *Strigula elegans*. - *Persoonia* 4: 429-432.
- Dobson, F. S. 1991: Llanychlwydog revisited. - *British Lichen Society Bulletin* 68: 25.
- Dobson, F. S. 1992: Lichens. An illustrated guide to the British and Irish species. 3rd enlarged edition. - The Richmond Publishing Ltd., Slough, England, p. 1-376.
- Döbbeler, P. & A. Vezda 1982: *Macentina hepaticola*, eine neue Flechte aus Zaire. - *Mitt. Bot. München* 18: 1-8.
- Egan, R. S. 1987: A fifth checklist of the lichen-forming, lichenicolous and allied fungi of the continental United States and Canada. - *Bryologist* 90: 77-173.
- Elix, J. A., C. E. Crook & H. T. Lumbsch 1992: The chemistry of foliicolous lichens. 1. Constituents of *Sporopodium vezdeanum* and *S. xantholeucum*. - *Mycotaxon* 44(2): 409-415.
- Eriksson, O. 1981: The families of bitunicate ascomycetes. - *Opera Botanica* 60: 1-220.
- Eriksson, O. 1982: Revision of "Outline of the Ascomycetes - 1982". - *Systema Ascomycetum* 1: 1-16.
- Eriksson, O. & D. L. Hawksworth (1986): Notes on ascomycete systematics. Nos 1-224. - *Systema Ascomycetum* 5(1): 113-174.
- Eriksson, O. & D. L. Hawksworth (1987a): Notes on ascomycete systematics. Nos 225-463. - *Systema Ascomycetum* 6(1): 111-165.
- Eriksson, O. E. & D. L. Hawksworth (1987b):

- Notes on ascomycete systematics. Nos 464-551. - *Systema Ascomycetum* 6(2): 237-258.
- Eriksson, O. E. & D. L. Hawksworth (1988a): Notes on ascomycete systematics. Nos 552-732. - *Systema Ascomycetum* 7(1): 59-101.
- Eriksson, O. E. & D. L. Hawksworth (1988b): Notes on ascomycete systematics. Nos 733-803. - *Systema Ascomycetum* 7(2): 103-117.
- Eriksson, O. E. & D. L. Hawksworth (1990): Notes on ascomycete systematics. Nos 889-968. - *Systema Ascomycetum* 8(2): 97-117.
- Eriksson, O. E. & D. L. Hawksworth (1991a): Notes on ascomycete systematics. Nos 969-1127. - *Systema Ascomycetum* 9(1-2): 1-38.
- Eriksson, O. E. & D. L. Hawksworth (1991b): Notes on ascomycete systematics. Nos 1128-1251. - *Systema Ascomycetum* 10(1): 27-67.
- Eriksson, O. E. & D. L. Hawksworth (1991c): Notes on ascomycete systematics. Nos 1252-1293. - *Systema Ascomycetum* 10(2): 135-150.
- Eriksson, O. E. & D. L. Hawksworth (1992): Notes on ascomycete systematics. Nos 1294-1417. - *Systema Ascomycetum* 11(1): 49-82.
- Farkas, E. 1986a: Recent literature on foliicolous lichens, 1952-1985. - *Bot. Közlem.* 73: 81-86.
- Farkas, E. 1986b: Checklist of new foliicolous lichen taxa and combinations, 1952-1985. [sic] - *Bot. Közlem.* 73: 87-91.
- Farkas, E. 1987a: Follicolous lichens of the Usambara Mountains, Tanzania I. - *Lichenologist* 19: 43-59.
- Farkas, E. 1987b: Importance of the asexual reproductive organs in foliicolous lichen taxonomy. In: Greuter, W., B. Zimmer & H.-D. Behnke (eds) Abstracts of the general lectures, symposium papers and posters. - XIV International Botanical Congress, Berlin, p. 252.
- Farkas, E. 1988: Follicolous lichens; Check-list: Obligately foliicolous lichens of the Usambara Mountains. In: The SAREC supported Integrated Usambara Rain Forest Project Tanzania. Report for the period 1983-1987. (Introduction written by I. Hedberg and O. Hedberg), Department of Systematic Botany, Uppsala, p. 30; Appendix 3. (5 unnumbered pages).
- Farkas, E. 1989a: Az ivartalan szaporító-képletek morfológiája és szerepük a levéllakó zuzmók azonosításában. - Az V. Magyar Növényanatómiai Szimpózium Magyar Nyelvű Összefoglalói, 1989. augusztus 25-26., Szeged, p. 18.
- Farkas, E. 1989b: Morphology of asexual reproductive organs and their role in identification of foliicolous lichens. - Vth Symposium on Hungarian Plant Anatomy. Abstracts. 25-26 August 1989, Szeged, p. 18.
- Farkas, E. 1989c: A levéllakó zuzmók ivartalan szaporító-képleteinek taxonómiai jelentősége. [Taxonomic importance of asexual reproductive organs of foliicolous lichens.] In: A biodiverzitás tanulmányozásának módszerei és eredményei. [Methods and results of biodiversity studies] - Poszter-kivonatok [Abstracts of posters], Budapest, p. 7.
- Farkas, E. 1990a: Asexual reproductive organs and the systematics of foliicolous lichens. - V Congreso Latinoamericano de Botánica, La Habana, 24 al de junio de 1990. Resúmenes, p. 207.
- Farkas, E. 1990b: Follicolous lichens of Mt. Kanga, Tanzania. In: Reisinger, A. & A. Bresinsky (eds) IMC4 Regensburg, 28th August - 3rd September 1990. Abstracts, p. 18.
- Farkas, E. 1990c: The foliicolous lichen flora and vegetation of the Usambara Mountains. In: Hedberg, I. & E. Persson (eds) Research for conservation of Tanzanian catchment forests. Proceedings from a workshop held in Morogoro, Tanzania, March 13-17, 1989. - Uppsala Universitet Reprocentralen HSC, p. 86-92.
- Farkas, E. 1991: New and interesting records of Tanzanian foliicolous lichens. In: Galloway, D. J. (ed) Tropical lichens: Their systematics, conservation, and ecology. - Systematics Association Special Volume

- 43: 95-104, Clarendon Press, Oxford.
- Farkas, E. & T. Pócs 1989: Foliicolous lichen-mimicry of a rainforest treefrog? - *Acta bot. hung.* 35(1-4): 73-76.
- Farkas, E. & A. Vezda 1987: *Macentina borhidii*, eine neue foliicole Flechte aus Tansania. - *Acta bot. hung.* 33(3-4): 295-300.
- Ferraro, L. I. (1980-1981)1982: Contribución al estudio de los líquenes folícolas de Corrientes, Rep. Argentina. - *Facena, Corrientes Argentina* 4: 89-98.
- Ferraro, L. I. 1983: Novedades en líquenes folícolas. - *Bonplandia* 5: 191-202.
- Ferraro, L. I. 1990: Contribución al conocimiento de los líquenes de Paraguay, colecciones de A. Schinini y de E. Bordas. - *Candollea* 45(2): 655-670.
- Ferraro, L. I. & A. Vezda 1989: *Tricharia cuneata* Ferraro & Vezda sp. nov., líquen folícola del NE de Argentina. - *Bonplandia* 6(2): 111-115.
- Filson, R. 1965: Fillicolous lichen from South East Gippsland. [sic] - *Victorian Naturalist* 82: 68-69.
- Filson, R. B. 1986: Index to type specimens of Australian lichens: 1800-1984. - *Australian Flora and fauna series*, no. 4. Australian Government Publishing Service, Canberra, p. 1-317.
- Filson, R. B. 1988: Checklist of Australian lichens. 3rd edition. - National Herbarium of Victoria, Melbourne.
- Follmann, G. 1968: Schedae ad Lichenes Exsiccati Selecti a Museo Botanico Berolinensi Editi. Fasc. I, no. 16. - *Willdenowia* 4: 383-390.
- Follmann, G. 1978, 1980, 1981: Schedae ad Lichenes Exsiccati Selecti a Museo Historiae Naturalis Casselensi Editi. Fasc. XIII, no. 253 (1978); Fasc. XVI, no. 305 (1980); Fasc. XVIII, no. 360 (1981). - *Philippia* 3(5): 379-388, 4(3): 204-212, 4(5): 379-387.
- Follmann, G. 1990: Zur Kenntnis der Flechtenflora und Flechtenvegetation von Madeira und den umliegenden Inseln. I. Chorologisch-soziologischer Abriss. - *Courier Forsch.-Inst. Senckenberg* 129: 91-102.
- Follmann, G. & C. Hernández-Padrón 1978: Zur Kenntnis der Flechtenflora und Flechtenvegetation der Kanarischen Inseln. II. Über einige Neufunde, besonders von der Insel Hierro. - *Philippia* 3(5): 360-378.
- Follmann, G. & M. Mahu 1968: Beobachtungen zur Verbreitung chilenischer Flechten. II. *Strigula elegans* (Fée) Muell.-Arg. var. *stellata* (Nyl. et Cromb.) Sant. - *Rev. Bryol. Lichénol.* 36: 333-335.
- Friederichsen, I. 1973: Liste der Pilze der Kollektion E. Ule aus Brasilien (1883-1903) im Herbarium Hamburgense. - *Mitt. Staatsinst. Allg. Bot. Hamburg* 14: 95-134.
- Galloway, D. J. 1985: Flora of New Zealand. Lichens. - P. D. Hasselberg, Government Printer, Wellington, New Zealand, p. 1-662.
- Galloway, D. J. (ed) 1991: Tropical lichens: Their systematics, conservation, and ecology. - *Systematics Association Special Volume* 43: 1-302, Clarendon Press, Oxford.
- Galloway, D. J. 1992a: Checklist of New Zealand lichens. - *DSIR Land Resources Scientific Report No. 26*: 1-58.
- Galloway, D. J. 1992b: Lichens of Laguna San Rafael, Parque Nacional 'Laguna San Rafael', southern Chile: indicators of environmental change. - *Global Ecology and Biogeography Letters* 2: 37-45.
- Gier, L. J. & J. Kendrick (1972)1973: Missouri Lichens - *Trans. Kans. Acad. Sci.* 75(3): 207-217.
- Gómez Bolea, A. & N.-L. Hladun Simón 1982: Datos para la flora líquénica de Cataluña. Líquenes epifilos. - *Collect. Bot. (Barcelona)* 13: 319-322.
- Gradstein, S. R. 1992: The vanishing tropical rain forest as an environment for bryophytes and lichens. In: Bates, J. W. & A. M. Farmer (eds) *Bryophytes and lichens in a changing environment*. - Clarendon Press, Oxford, p. 234-258.
- Hafellner, J. 1984: Studien in Richtung einer natürlicheren Gliederung der Sammelfamilien Lecanoraceae und Lecideaceae. - In Hertel, H. & F. Oberwinkler (eds): *Festschrift J. Poelt. Beih. Nova Hedwigia* 79: 241-371.
- Hafellner, J. 1992: A new Checklist of Licheni-

- zed and Lichenicolous Fungi of the Madeira Archipelago. - Institut für Botanik der Karl-Franzens-Universität, Graz, Austria, p. 1-29.
- Hale, M. E. 1975: Studies on the lichen family Thelotremaaceae. 3. - Mycotaxon 3(1): 173-181.
- Hale, M. E. 1980: Generic delimitation in the lichen family Thelotremaaceae. - Mycotaxon 11: 130-138.
- Hale, M. E. 1981: A revision of the lichen family Thelotremaaceae in Sri Lanka. - Bull. Br. Mus. nat. Hist. (Bot.) 8(3): 227-332.
- Hawksworth, D. L. 1972: A new species of *Tricharia* Fée em. R. Sant. from Hong Kong. - Lichenologist 5: 321-322.
- Hawksworth, D. L. 1979: The lichenicolous Hyphomycetes. - Bull. Br. Mus. nat. Hist. (Bot.) 6(3): 183-300.
- Hawksworth, D. L. 1981: The lichenicolous Coelomycetes. - Bull. Br. Mus. nat. Hist. (Bot.) 9(1): 1-98.
- Hawksworth, D. L. 1986: Changes which would arise from the extension of sanctioning to the names of lichen-forming fungi. - Taxon 33(4): 787-793.
- Hawksworth, D. L. 1988: Effects of algae and lichen-forming fungi on tropical crops. In: Agnihotri, V. P., A. K. Sarbhoj & D. Kumar (eds) Perspectives of Mycopathology. - Malhotra Publishing House, New Delhi, p. 76-83.
- Hawksworth, D. L. 1991: The fungal dimension of biodiversity: magnitude, significance, and conservation. - Mycol. Res. 95(6): 641-655.
- Hawksworth, D. L. & D. E. Shaw 1984: Lichen-forming fungi on various 'substrates'. In: Shaw, D. E. (ed) Microorganisms in Papua New Guinea. - Research Bulletin 33: 247-261, Department of Primary Industry, Port Moresby.
- Hekking, W. H. A. & H. J. M. Sipman 1988: The lichens reported from the Guianas before 1987. Studies on the flora of the Guianas, no. 31. - Willdenowia 17: 193-228.
- Henssen, A., G. Vobis & B. Renner (1982)1983: New species of *Roccellinastrum* with an emendation of the genus. - Nord. J. Bot. 2: 587-599.
- Hertel, H. 1974: Krustenflechten aus Venezuela. - Mitt. Bot. München 11: 405-430.
- Hertel, H. 1987: Lecideaceae exsiccatae. [Scheda]: Fasc. IX, no. 163. - München, p. 1-7.
- James, P. W. 1971a: New or interesting British lichens I. - Lichenologist 5: 114-148.
- James, P. W. 1971b: The Genus *Calidia* Stirt. - Lichenologist 5: 175.
- Jørgensen, P. M. 1991: Lavimitasjoner. - Naturen 115(6): 280.
- Josien, M. 1964: Quelques lichens intéressants des Landes et des Basses-Pyrénées. - Rev. Bryol. Lichénol. 33(1-2): 240-243.
- Josien, M. (1966)1967: *Strigula nitidula* Mont., lichen épiphyllé en France. - Rev. Bryol. Lichénol. 34: 829-830.
- Joubert, J. J. & F. H. J. Rijkenberg 1971: Parasitic green algae. - Annual Review of Phytopathology 9: 47-64.
- Kalb, K. 1981-1984: Lichenes neotropici. [Schedae]: Fasc. I, no. 1, 2, 6-11, 23, 24, 27, 29, 36, 37, 39 (1981); Fasc. II, no. 59, 76 (1982); Fasc. III, no. 90 (1982); Fasc. IV, no. 148 (1982); Fasc. V, no. 170, 171 (1982); Fasc. VI, no. 246 (1983); Fasc. VII, no. 252, 299 (1983); Fasc. VIII, no. 301, 304, 313, 314, 329-331 (1984). - Neumarkt/Opf. p. 1-12 [in singulis schedis].
- Kalb, K. & A. Vezda 1988a: Die Flechtengattung *Mazosia* in der Neotropis (eine taxonomisch-phytogeographische Studie). - Folia Geobot. Phytotax., Praha 23: 199-210.
- Kalb, K. & A. Vezda 1988b: Neue oder bemerkenswerte Arten der Flechtenfamilie Gomphillaceae in der Neotropis. - Bibl. Lichenol. 29: 1-80.
- Kalb, K. & A. Vezda 1990: Die Flechtengattung *Byssoloma* in der Neotropis (eine taxonomisch-phytogeographische Studie). - Nova Hedwigia 51(3-4): 435-451.
- Kalb, K. & A. Vezda 1992: Neue foliicole Flechten I. - Nova Hedwigia 55(1-2): 195-209.
- Kantvilas, G. 1990: The genus *Roccellinastrum* in Tasmania. - Lichenologist 22(1): 79-86.
- Kantvilas, G. & A. Vezda 1988: A new lichenised species of *Arthonia* from south-western Tasmania. - Aust. Syst. Bot. 1: 189-



- 190.
- Keuck, G. 1977: Ontogenetisch-systematische Studie über *Erioderma*. - *Bibl. Lichenol.* 6: 1-175.
- Kiew, R. 1982: Observations on leaf color, epiphyll cover, and damage on Malayan *Iguanura wallichiana*. - *Principes* 26: 200-204.
- Klement, O. 1955: Prodromus der mitteleuropäischen Flechtengesellschaften. - *Feddes Repert, Beiheft* 135: 5-194.
- Kopaczewskaja, E. G., M. F. Makarevicz & A. N. Oxner 1977: Opredelitel lichajnikov SSSR. Vyp. 4. Verrukarievyje ø Pilokarpovyje. (Handbook of the Lichens of the U.S.S.R. 4. Verrucariaceae-Pilocarpaceae). - *Iz. Nauk, Leningrad*, p. 1-343.
- Kurokawa, S. 1957: Lichens of Simokita Peninsula. - *Misc. Rep. Res. Inst. Natural Resources* 43-44: 12-21.
- Kurokawa, S. 1958: Notulae miscellaneae lichenum japonicorum (5) - *Journ. Jap. Bot.* 33(7): 205-208.
- Kurokawa, S. 1964: Noteworthy lichens collected by Dr. M. Tagawa and Dr. K. Iwatsuki on the Amami Islands, Japan. - *Ann. Rep. Noto Mar. Lab.* 4: 73-78.
- Kurokawa, S. 1966: Lichenes rariores et critici exsiccati. [Scheda]: Fasc. I, no. 5. - Tokyo, p. i-vi.
- Kurokawa, S. & H. Kashiwadani 1977: Notes on the lichen genus *Lopadium* in Japan and Formosa. - *Bull. Nat. Sci. Mus. Ser. B (Botany)* 3: 123-134.
- Lambinon, J. & E. Sérusiaux 1983: Contribution à l'étude des lichens du Kivu (Zaãre), du Rwanda et du Burundi VII. Approche écogéographique de la flore et de la végétation lichéniques dans l'est de l'Afrique centrale. - *Bothalia* 14(3-4): 533-538.
- Lumbsch, H. T. & D. L. Hawksworth 1987: (894) Proposal to conserve *Gyalideopsis* Vezda against *Diploschistella* Vainio (Fungi) - *Taxon* 36: 764-765.
- Lumbsch, H. T. & B. W. Hayward 1990: Additional lichen records from New Zealand. 2. *Dimerella zonata* (Müll. Arg.) R. Sant. - *Australasian Lichenological Newsletter* 26: 3.
- Lumbsch, H. T. & A. Vezda 1990: Beiträge zur Kenntnis der foliikolen Flechten australischer Regenwälder I. - *Nova Hedwigia* 50(1-2): 245-254.
- Lumbsch, H. T. & A. Vezda 1992: Contributions to the lichen flora of Tenerife. - *Lichenologist* 24: 21-26.
- Lumbsch, H. T., J. Hafellner & A. Vezda 1991: (998) Proposal to conserve *Gyalidea* against *Aglaothecium* (lichen-forming Fungi) - *Taxon* 40: 331-332.
- Lücking, R. 1990: Zur Taxonomie und Pflanzengeografie Blattbewohnender Flechten aus Costa Rica, Zentralamerika. - Diplomarbeit zur Erlangung des Grades eines Diplombiologen an der mathematisch-naturwissenschaftlichen Fakultät der Universität Ulm. Manuskript. Ulm/Donaue, p. 1-156.
- Lücking, R. 1991: Neue Arten foliikoler Flechten aus Costa Rica, Zentralamerika. - *Nova Hedwigia* 52(3-4): 267-304.
- Lücking, R. 1992a: Foliicolous lichens - A contribution to the knowledge of the lichen flora of Costa Rica, Central America. - *Beih. Nova Hedwigia* 104: 1-179.
- Lücking, R. 1992b: Zur Verbreitungsökologie foliikoler Flechten in Costa Rica, Zentralamerika. Teil 1. - *Nova Hedwigia* 54(3-4): 309-353.
- Lücking, R. 1992c: Zur Verbreitungsökologie foliikoler Flechten in Costa Rica, Zentralamerika. Teil 2. - *Herzogia* 9(1-2): 181-212.
- Makhija, U. & P. G. Patwardhan (1985)1986: A contribution to our knowledge of the genus *Cryptothecia*. - *Biovigyanam* 11(1): 1-13.
- Makhija, U. & P. G. Patwardhan 1990: On the lichen genus *Pleurotrema* Müll. Arg. - *Biovigyanam* 16: 10-37.
- Malme, G. O. A.:N. 1935: Das Kampylidium, ein verkanntes Fortpflanzungsorgan der Flechten. *Svensk Bot. Tidskrift* 29: 302-305.
- Marcelli, M. P. 1992: Ecologia Liquênica nos Manguezais do Sul-Sudeste Brasileiro. - *Bibl. Lichenol.* 47: 1-228.
- Margot, J. 1977: L'épiphyllie des lichens du genre *Strigula* est-elle un cas de parasitisme? Quelques observations morphologi-

- ques. - *Lichenologist* 9: 51-63.
- Matzer, M. & J. Hafellner 1990: Eine Revision der lichenicolen Arten der Sammelgattung *Rosellinia* (Ascomycetes). - *Bibl. Lichenol.* 37: 1-138.
- Maublanc, M. A. 1907: *Ceratopycnidium*, genre nouveau de Sphéropsidéés. - *Bull. trimest. Soc. mycol. Fr.* 23(3): 146-149.
- Mayrhofer, H. 1987: Monographie der Flechtengattung *Thelenella*. - *Bibl. Lichenol.* 26: 1-106.
- Modenesi, P. & L. Lajolo 1987: Histochemistry of cytoplasmic reserves in excipular hyphae of *Catillaria bouteillei* (Desm.) Zahlbr. - *Cryptogamie, Mycol.* 8(1): 33-42.
- Modenesi, P. & G. Serrato 1984: Première station en Italie d'un lichen foliicole. - *Cryptogamie, Bryol. Lichénol.* 5: 289-290.
- Modenesi, P., L. Lajolo & G. Dondero 1986: Acid carbohydrates in the hypothallus of *Catillaria bouteillei* (Desm.) Zahlbr. A histochemical localization. - *Cryptogamie, Bryol. Lichénol.* 7(1): 1-10.
- Montagne, C. 1843: IV Centurie de Plantes cellulaires exotiques nouvelles, Dec. VIII-X. *Ann. Sci. nat. Ser. 2*, 20: 352-379.
- Nag Raj, T. R. 1981: Genera coelomycetum. XIX. *Discosiella*, a lichenized mycobiont. - *Can. J. Bot.* 59: 2519-2533.
- Nowak, R. & S. Winkler (1970)1971: Foliicole Flechten der Sierra Nevada de Santa Marta (Kolumbien) und ihre gegenseitigen Beziehungen. - *Österr. bot. Z.* 118: 456-485.
- Nowak, R. & S. Winkler (1971)1972: Foliicole Flechten von El Salvador, C. A. - *Rev. Bryol. Lichénol.* 38: 269-279.
- Nowak, R. & S. Winkler 1975: Foliicolous lichens of Chocó, Colombia and their substrate abundances. - *Lichenologist* 7: 53-58.
- Osorio, H. S. 1970: Contribution to the lichen flora of Uruguay V. Lichens from "Paso Yacare", Salto County. - *Communic. Bot. Mus. Hist. Nat. Montevideo* 52(IV): 1-2.
- Osorio, H. S. 1970: Contribution to the lichen flora of Argentina. V. Some new records. - *Communic. Bot. Mus. Hist. Nat. Montevideo* 54(IV): 1-2.
- Osorio, H. S. 1972: Contribution to the lichen flora of Uruguay. VII. A preliminary catalogue. - *Communic. Bot. Mus. Hist. Nat. Montevideo* 56(IV): 1-46.
- Osorio, H. S. 1975: Contribution to the lichen flora of Uruguay. VIII. Additions and corrections. - *Communic. Bot. Mus. Hist. Nat. Montevideo* 59(IV): 1-12.
- Osorio, H. S. 1976: Contribution to the lichen flora of Argentina VIII. Lichens from Punta Lara, Buenos Aires Province. - *Bryologist* 79(3): 358-360.
- Osorio, H. S. 1978: Contribucion a la flora liquenica del Uruguay. IX. Liqueenes del Rio Uruguay al Norte de Salto Grande. - *Revista de la Facultad de Humanidades y Ciencias, ser. Cienc. Biol., Montevideo* 1(4): 49-56.
- Osorio, H. S. 1980: Contribution to the lichen flora of Uruguay XV. Additional records to the Rio Uruguay lichen flora. - *Phytologia, New York*, 46(3): 137-142.
- Osorio, H. S., Aguiar, L. W. & Zanette, V. C. 1980: Contribution to the lichen flora of Brazil VII. Lichens from Montenegro and Triunfo, Rio Grande do Sul State. - *Communic. Bot. Mus. Hist. Nat. Montevideo* 62(IV): 1-8.
- Osorio, H. S. 1981: Contribution to the lichen flora of Brazil VIII. Lichens from Morro do Coco, Viamao, Rio Grande do Sul. - *Phytologia, New York*, 48(1): 72-76.
- Osorio, H. S. 1981a: Contribution to the lichen flora of Argentina XIII. Lichens from Misiones Province. - *Communic. Bot. Mus. Hist. Nat. Montevideo* 63(IV): 1-18.
- Osorio, H. S., Aguiar, L. W. & Homrich, M. H. 1981: Contribution to the lichen flora of Brazil VI. New or additional records from Rio Grande do Sul State. - *Bryologist* 84(1): 79-81.
- Osorio, H. S. & Fleig, M. 1982: Contribution to the lichen flora of Brazil IX. Lichens from the Municipality of Torres, Rio Grande do Sul State. - *Mycotaxon* XIV(1): 347-350.
- Osorio, H. S. 1985: Contribution to the lichen flora of Brazil XIV. Lichens from Gramado, Rio Grande do Sul State. - *Int. J. Mycol. Lichenol.* 2(1): 43-50.

- Osorio, H. S. & Fleig, M. 1987: Contribution to the lichen flora of Brazil. XIX. New or additional records from Santa Maria, Rio Grande do Sul State. - *Communic. Bot. Mus. Hist. Nat. Montevideo* 81(V): 1-8.
- Patwardhan, P. G. & U. Makhija 1981: The lichen genus *Lopadium* (family Lecideaceae) in the Western Ghats, Southwestern India. - *Indian J. Bot.* 4: 20-26.
- Pisút, I. 1975: Niekoľko zaujímavých lisajnikov zo západnej časti veľkého Kaukazu (Zssr). (Einige interessante Flechten aus dem Westteil des Grossen Kaukasus (UdSSR)). - *Ac. Rer. Natur. Mus. Nat. Slov., Bratislava* 21: 71-74.
- Plantae graecenses 1985, 1989: *Plantae graecenses, Lichenes*. [Schedae]: Jahrg. 7, no. 292 (1985); Jahrg. 8, no. 362, 388, 422, 423 (1989). - Graz, p. 19-34, p. 30-55.
- Poelt, J. & A. Vezda 1990: Über kurzlebige Flechten - (On shortliving lichens). - *Bibl. Lichenol.* 38: 377-394.
- Poelt, J. & A. Vezda 1992: Ein Vorkommen foliicoler Flechten in der Steiermark. - *Herzogia* 9(1-2): 239-246.
- Reyes, C. R. 1974: Nota Adicional acerca del Catalogo de los Liqueenes de Venezuela. - *Bryologist* 77: 248-249.
- Ricci, P. & R. Tomaselli 1958: Licheni foliicoli raccolti da E. Mameli Calvino. - *Archo bot. biogeogr. ital.* 34. Ser. 4, 3(4): 254-262.
- Rizzini, C. T. (1956)1957: Flora Organensis. Lichenes. - *Revista Brasileira de Biologia* 16(4): 387-402.
- Rogers, R. W. 1981: The genera of Australian lichens (lichenized fungi). - University of Queensland Press, St. Lucia, London & New York, p. 1-124.
- Sammy, N. 1980: Lichen from Gunong Mulu National Park, Sarawak, East Malaysia. Part 2. Follicolous lichens. - *Malay. Nat. J.* 34(2): 65-72.
- Santesson, J. 1970: Chemical studies on lichens. 28. The pigments of some foliicolous lichens. - *Acta Chemica Scand.* 24: 371-373.
- Santesson, R. 1968: Lavar. Some aspects of lichen taxonomy. - *Svensk Naturvetenskap, Stockholm* 1968: 176-184.
- Santesson, R. & L. Tibell 1988: Follicolous lichens from Australia. - *Austrobaileya* 2(5): 529-545.
- Savicz, V. P. 1956, 1959: *Lichenotheca Rossica*. [Schedae]: Decas VIII, no. 80 (1956); Decas IX, no. 89 (1959). - Leningrad, p. 1-4. [in singulis schedis].
- Scannell, M. J. P. 1978: *Catillaria bouteillei* (Desm.) Zahlbr., an epiphyll on leaves of *Prunus lauro-cerasus* L. from the collection of R. A. Phillips (1937). - *Irish Naturalists' J.* 19(5): 172.
- Scannell, M. J. P. 1981: *Catillaria bouteillei* (Desmaz.) Zahlb. on *Myrtus apiculata* in West Cork (H3). - *Irish Naturalists' J.* 20(6): 254.
- Schauer, T. (1965-1966)1966: Ozeanische Flechten im Nordalpenraum. - *Portug. Acta Biol., Sér. B*, 8: 17-229.
- Schell, S. & S. Winkler 1981: Zur Ökologie und Pflanzengeographie blattbewohnender Flechten von Rio Grande do Sul (Südbrazilien). - *Cryptogamie, Bryol. Lichénol.* 2: 323-343.
- Schubert, T. S. 1981: *Strigula* Fries, the plant parasitic lichen. - *Plant Pathology Circular* 227, Florida Department of Agriculture and Consumer Services, Division of Plant Industry. (2 unnumbered pages).
- Seaward, M. R. D. 1984: Census catalogue of Irish lichens. - *Glasra* 8: 1-32.
- Sérusiaux, E. 1976: Some follicolous lichens from the Farlow Herbarium I. - *Occ. Pap. Farlow Herbarium* 10: 1-21.
- Sérusiaux, E. 1977a: Quelques lichens foliicoles récoltés à La Réunion (Afrique, Océan Indien). - *Bull. Soc. roy. Bot. Belg.* 110: 39-41.
- Sérusiaux, E. 1977b: Les lichens foliicoles: concept, classification écologique et position systématique. - *Les Naturalistes Belges* 58: 111-118.
- Sérusiaux, E. 1978: Contribution à l'étude des lichens du Kivu (Zaïre), du Rwanda et du Burundi II. Espèces nouvelles de lichens foliicoles. - *Lejeunia N. S.* 90: 1-18.
- Sérusiaux, E. 1979a: Contribution to the study of lichens from Kivu (Zaïre), Rwanda and Burundi III. *Veздаea*, a new genus for Africa. - *Mycotaxon* 8: 135-139.

- Sérusiaux, E. 1979b: Foliicolous lichens from southeastern United States. - *Bryologist* 82: 88-93.
- Sérusiaux, E. 1979c: Two new foliicolous lichens from tropical Africa. - *Lichenologist* 11: 181-185.
- Sérusiaux, E. 1983: Foliicolous lichens from Zimbabwe. - *Lichenologist* 15: 283-287.
- Sérusiaux, E. 1984a: New species or interesting records of foliicolous lichens. - *Mycotaxon* 20: 283-306.
- Sérusiaux, E. 1984b: Three new species of *Tricharia* (Lichenes, Asterothyriaceae) from New Guinea. - *Mycologia* 76: 108-114.
- Sérusiaux, E. 1985: Goniocysts, goniocystangia and *Opegrapha lambinonii* and related species. - *Lichenologist* 17: 1-25.
- Sérusiaux, E. 1986a: The nature and origin of campylidia in lichenized fungi. - *Lichenologist* 18: 1-35.
- Sérusiaux, E. 1986b: Foliicolous lichens in SW France: taxonomy and biogeography. - *Progress and Problems in Lichenology in the Eighties. Lecture & Poster abstracts, Münster.*
- Sérusiaux, E. 1989a: *Echinoplaca furcata*, a new species of foliicolous lichen (Gomphillaceae) from Rwanda. - *Mycotaxon* 35(2): 237-242.
- Sérusiaux, E. 1989b: Foliicolous lichens: ecological and chorological data. - *Bot. J. Linn. Soc.* 100: 87-96.
- Sérusiaux, E. 1990: Liste préliminaire des lichens et champignons lichénicoles des rochers et éboulis des affleurements du Salmien (Belgique, région de Vielsalm). - *Mém. Soc. roy. Bot. Belg.* 12: 135-147.
- Sérusiaux, E. 1992: Reinstatement of the lichenized genus *Eremothecella* Sydow. - *Systema Ascomycetum* 11(1): 39-47.
- Sérusiaux, E. & J. R. De Sloover 1986: Taxonomical and ecological observations on foliicolous lichens in northern Argentina, with notes on the hypophores of Asterothyriaceae. [sic] - *Veröff. Geobot. Inst. ETH, Stiftung Rübel, Zürich* 91: 260-292.
- Sethy, P. K. & P. G. Patwardhan 1987: Some foliicolous lichens from the Nicobar and Andaman Islands, India. - *Biovigyanam* 13(2): 52-59.
- Sherwood-Pike, M. A. 1985: *Pelicothallos dilcher*, an overlooked fossil lichen. - *Lichenologist* 17: 114-115.
- Singh, A. 1969: On some foliicolous lichens from Andamans. - *Pl. Sci.* 1: 97-100.
- Singh, A. 1970a: Some foliicolous members of Graphidaceae and Thelotremaaceae from Andaman Islands. - *Pl. Sci.* 2: 80-82.
- Singh, A. 1970b: *Strigula* and *Raciborskiella* species from the Andaman Islands, India. - *Bryologist* 73: 719-722.
- Singh, A. (1970)1971a: On foliicolous species of *Porina* from Andaman Islands, India. - *Rev. Bryol. Lichénol.* 37: 973-982.
- Singh, A. 1971b: Some unrecorded and interesting pyrenocarpous lichens from Andaman Islands, India. - *Bryologist* 74: 195-198.
- Singh, A. 1973: Some foliicolous members of Lecideaceae new to Andaman Islands, India. - *Rev. Bryol. Lichénol.* 39: 479-487.
- Singh, A. 1978: Three foliicolous lichen species from Andaman Islands, new to Indian flora. - *New Botanist* 5: 11-14.
- Singh, A. 1979: The lichen flora of India with special reference to Andaman Islands. In: Khoshoo, T. N. & P. K. K. Nair (eds) *Progress in Plant Research. Today & Tomorrow's Printers & Publishers, Karolbagh, New Delhi, Vol. 1, p. 39-56.*
- Singh, K. P. 1977: Three new records of foliicolous lichens from India. - *Curr. Sci.* 46(13): 457-458.
- Singh, K. P. 1978: Lichen genus *Echinoplaca* Fée from India. - *Geophytology* 8: 129-130.
- Singh, K. P. 1979: Lichen genus *Asterothyrium* Müll. Arg. in India. - *Curr. Sci.* 48(6): 267-268.
- Sinha, G. P. & K. P. Singh (1987)1988: Foliicolous lichens from Nagaland, India. - *Geophytology* 17(2): 174-185.
- Sipman, H. J. M. 1990a: Colección preliminar de líquenes sobre hojas en Araracuara, Colombia. - *Colombia Amazonica* 4(2): 59-65.
- Sipman, H. J. M. 1990b: *Lichenotheca Latinoamericana a museo botanico berlinensi*



- edita, fasciculum primum. [Scheda]: Fasc. I, no. 3, 29, 33, 35, 49. - Willdenowia 19: 543-551.
- Sipman, H. J. M. 1991a: More foliicolous lichens from Australia. - *Nova Hedwigia* 53(1-2): 255-264.
- Sipman, H. J. M. 1991b: Notes on the lichen flora of the Guianas, a neotropical lowland area. In: Galloway, D. J. (ed) *Tropical Lichens: Their Systematics, Conservation, and Ecology*. - Systematics Association Special Volume 43: 135-150, Clarendon Press, Oxford.
- Sipman, H. J. M. 1991c: Observations on foliicolous lichens in the Guianas. - *Flora of the Guianas Newsletter* 8: 8-9.
- Sipman, H. J. M. 1992: Results of a lichenological and bryological exploration of Cerro Guaiquinima (Guayana Highland, Venezuela). - *Tropical Bryology* 6: 1-31.
- Sipman, H. J. M. & A. Aptroot 1992: Results of a botanical expedition to Mount Roraima, Guyana. II. Lichens. - *Tropical Bryology* 5: 79-107.
- Sipman, H. J. M. & R. C. Harris 1989: Lichens. In: Lieth, H. & M. J. A. Werger (eds) *Ecosystems of the world*. 14B. Tropical rain forest ecosystems. Biogeographical and ecological studies. - Elsevier Science Publishers B. V., Amsterdam, p. 303-309.
- Smith, C. W. 1977: Notes on Hawaiian lichens I. Obligately foliicolous species. - *Bryologist* 80: 342-343.
- Smith, C. W. 1986: Three foliicolous lichens new to the United States. - *Bryologist* 89: 232-233.
- Søchting, U., B. Jensen & L. Unger 1992: Epifylfloraen på Rødgran. En undersøgelse af belægningsarter på grannåle. Miljøministeriet & Institut for Sporeplanter, Copenhagen, p. 1-44.
- Streimann, H. 1986: Catalogue of the lichens of Papua New Guinea and Irian Jaya. - *Bibl. Lichenol.* 22: 1-145.
- Szatala, Ö. 1956: Prodrome de la flore lichénologique de la Nouvelle Guinée. - *Annls hist.-nat. Mus. natn. Hung.*, N. S. 7: 15-50.
- Tavares, C. N. (1951-1952)1952: Contributions to the lichen flora of Macaronesia I. Lichens from Madeira. - *Portug. Acta Bot.*, Sér. B, 3(3-4): 308-391.
- Tavares, C. N. 1953: Ecological notes on the Macaronesian foliicolous lichens. - *Rev. Bryol. Lichénol.* 22: 317-321.
- Tavares, C. N. 1965: Ilha da Madeira. O Meio e a Flora. - *Revta Fac. Ciênc. Univ. Lisb. Sér. 2/C*, 13(1): 51-174.
- Thor, G. & A. Vezda 1984: Einige neue oder bemerkenswerte Flechten mit gyalectoiden Apothecien von Nord-Indien und Nepal. - *Folia Geobot. Phytotax.*, Praha 19: 71-81.
- Thorold, C. A. 1955: Observations on *Theobroma cacao* in Fernando Po. - *J. Ecol.* 43: 219-225.
- Thrower, S. L. 1988: Hong Kong lichens. - Urban Council, Hong Kong, p. 1-193.
- Tonsberg, T. 1992: *Fellhanera* new to Norway. - *Graphis Scripta* 3: 118-119.
- Tucker, S. C. 1979: New or noteworthy records of lichens from Louisiana. - *Bryologist* 82: 125-140.
- Tucker, S. C. & R. C. Harris 1980: New and noteworthy pyrenocarpous lichens from Louisiana and Florida. - *Bryologist* 83: 1-20.
- Tucker, S. C., S. W. Matthews & R. L. Chapman 1991: Ultrastructure of subtropical crustose lichens. In: Galloway, D. J. (ed) *Tropical Lichens: Their Systematics, Conservation, and Ecology*. - Systematics Association Special Volume 43: 171-191, Clarendon Press, Oxford.
- Türk, R. & H. Wittmann 1987: Flechten im Bundesland Salzburg (Österreich) und im Berchtesgadener Land (Bayern, Deutschland) - Die bisher beobachteten Arten und ihre Verbreitung. - *Sauteria* 3: 1-313.
- Upadhyay, H. B. P. 1964a: Three new hyperparasites for *Mazosia phyllosema* (Nyl.) A. Zahlbr. from Amazonas valley. - *Publicões Inst. Micol. Recife* 402: 1-11.
- Upadhyay, H. B. P. 1964b: A new *Opegrapha* species from the Federal Territory of Rondônia. - *Publicões Inst. Micol. Recife et Inst. nac. Pesquisas Amazonia* 410: 1-6.

- Upreti, D. K. & A. Singh 1987a: A new species of *Porina* from the Andaman Islands, India. - Bot. J. Linn. Soc. 94: 399-402.
- Upreti, D. K. & A. Singh 1987b: The lichen genus *Opegrapha* from Andaman Islands, India. - Cryptogamie, Bryol. Lichénol. 8(4): 291-300.
- Vareschi, V. 1973: Catalogo de los líquenes de Venezuela. - Acta bot. venez. 8(1-4): 177-245.
- Vežda, A. 1966-1991: Lichenes selecti exsiccati, editi ab Instituto botanico Academiae Scientiarum, Pruhonice prope Pragam. [Schedae]: Fasc. XIX, no. 453, 463 (1966); Fasc. XLIV, no. 1083, 1084 (1972); Fasc. XLV, no. 1102. (1972); Fasc. XLVI, no. 1126-1129 (1973); Fasc. XLVII, no. 1158, 1161, (1973); Fasc. XLVIII, no. 1179 (1973); Fasc. L, no. 1226-1228, 1230, 1235, 1245 (1974); Fasc. LI, no. 1251 (1974); Fasc. LII, no. 1292 (1975); Fasc. LIII, no. 1310, 1311 (1975); Fasc. LIV, no. 1345 (1975); Fasc. LVI, no. 1377 (1976); Fasc. LIX, no. 1451 (1977); Fasc. LX, no. 1479, 1484 (1977); Fasc. LXI, no. 1501, 1502, 1512-1516, 1525 (1978); Fasc. LXII, no. 1526, 1527, 1530, 1542 (1978); Fasc. LXIII, no. 1556, 1557, 1566, 1567, 1569, 1570 (1978); Fasc. LXIV, no. 1583, 1584 (1978); Fasc. LXV, no. 1601 (1979); Fasc. LXVIII, no. 1676, 1679, 1690 (1980); Fasc. LXIX, no. 1705, 1721 (1980); Fasc. LXXI, no. 1754, 1761 (1981); Fasc. LXXII, no. 1777 (1981); Fasc. LXXIII, no. 1821 (1982); Fasc. LXXIV, no. 1829, 1839, 1844 (1982); Fasc. LXXV, no. 1860, 1866-1869 (1983); Fasc. LXXVI, no. 1877-1880, 1891 (1983); Fasc. LXXVIII, no. 1946 (1983); Fasc. LXXX, no. 1987 (1984); Fasc. LXXXI, no. 2001 (1985); Fasc. LXXXII, no. 2027, 2030-2033 (1985); Fasc. LXXXV, no. 2120 (1986); Fasc. LXXXVI, no. 2126, 2129, 2144 (1987); Fasc. LXXXVII, no. 2151, 2155, 2156, 2159 (1987); Fasc. LXXXVIII, no. 2176-2180, 2184, 2185, 2193, 2198 (1988); Fasc. XC, no. 2227, 2228, 2230, 2231, 2234 (1988); Fasc. XCI, no. 2260, 2261, (1988); Fasc. XCII, no. 2276 (1989); Fasc. XCIII, no. 2304, 2305, 2307 (1989); Fasc. XCIV, no. 2326-2328, 2336, 2337, 2350 (1989); Fasc. XCV, no. 2357, 2359, 2366, 2375 (1989); Fasc. XCVI, no. 2376 (1989); Fasc. XCVIII, no. 2427, 2429-2431 (1990); Fasc. XCIX, no. 2451, 2454, 2458 (1990); Fasc. C, no. 2480 (1991). - Brno, p. 1-8 [in singulis schedis].
- Vežda, A. 1966: Flechtensystematische Studien IV. Die Gattung *Gyalidea* Lett. - Folia Geobot. Phytotax., Praha 1: 311-340.
- Vežda, A. (1969)1970: Neue Taxa und Kombinationen in der Familie Gyalectaceae (Lichenisierte Fungi). - Folia Geobot. Phytotax., Praha 4: 443- 446.
- Vežda, A. 1973: Foliicole Flechten aus der Republik Guinea (W-Afrika). I. - Acta Musei Silesiae, Opava, Ser. A 22: 67-90.
- Vežda, A. 1974: Foliicole Flechten aus der Republik Guinea (W-Afrika). II. - Acta Musei Silesiae, Opava, Ser. A 23: 173-190.
- Vežda, A. 1975a: Foliicole Flechten aus der Republik Guinea (W-Afrika). III. - Acta Musei Silesiae, Opava, Ser. A 24: 117-126.
- Vežda, A. 1975b: Foliikole Flechten aus Tanzania (Ost-Afrika). - Folia Geobot. Phytotax., Praha 10: 383-432.
- Vežda, A. 1977: Beitrag zur Kenntnis foliikoler Flechten Vietnams. - Acta Musei Silesiae, Opava, Ser. A 26: 21-33.
- Vežda, A. 1978: *Pleurotrema epiphylla* Vežda sp. n., eine neue foliikole Flechte aus Zentral-Afrika. - Folia Geobot. Phytotax., Praha 13: 99-102.
- Vežda, A. 1979a: Flechtensystematische Studien XI. Beiträge zur Kenntnis der Familie Asterothyriaceae (Discolichenes). - Folia Geobot. Phytotax., Praha 14: 43-94.
- Vežda, A. 1979b: Lichenes novi quorum isotypi in fasciculo sexagesimo septimo collectionis "Lichenes selecti exsiccati" distribuentur. - Folia Geobot. Phytotax., Praha 14: 203-206.
- Vežda, A. 1980: Foliicole Flechten aus Zaäre. Die Arten der Sammelgattungen *Catillaria* und *Bacidia*. - Folia Geobot. Phytotax., Praha 15: 75-94.
- Vežda, A. 1982: Foliicole Flechten aus Zaäre

- (II). Zwei neue Arten der Gattung *Pocsia*. - Folia Geobot. Phytotax., Praha 17: 387-392.
- Vežda, A. 1983: Foliicole Flechten aus der Kolchis (West-Transkaukasien, UdSSR) - Folia Geobot. Phytotax., Praha 18: 45-70.
- Vežda, A. 1984: Foliikole Flechten der Insel Kuba. - Folia Geobot. Phytotax., Praha 19: 177-210.
- Vežda, A. 1986: Neue Gattungen der Familie Lecideaceae s. lat. (Lichenes). - Folia Geobot. Phytotax., Praha 21: 199-219.
- Vežda, A. 1987: Foliicole Flechten aus Zaire (III). Die Gattung *Byssoloma* Trevisan. - Folia Geobot. Phytotax., Praha 22: 71-83.
- Vežda, A. (1990)1991: *Bacidina* genus novum familiae Lecideaceae s. lat. (Ascomycetes lichenisati). - Folia Geobot. Phytotax., Praha 25: 431-432.
- Vežda, A. 1992: Lichenes Rariores Exsiccati. [Schedae]: Fasc. I, no. 1, 3-7 (1992); Fasc. III, no. 23 (1992); Fasc. V, no. 44 (1992). - Brno, p. 1-4. [in singulis schedis].
- Vežda, A. & E. Farkas 1988: Neue foliicole Arten der Flechtengattung *Dimerella* Trevisan (Gyalectaceae) aus Tansania. - Folia Geobot. Phytotax., Praha 23: 187-197.
- Vežda, A. & J. Hafellner 1991: Beiträge zur Kenntnis der foliikolen Flechten australischer Regenwälder II. - Nova Hedwigia 52(1-2): 73-80.
- Vežda, A. & K. Kalb 1991: Beiträge zur Kenntnis der foliikolen Flechten australischer Regenwälder III. - Nova Hedwigia 53(1-2): 215-228.
- Vežda, A. & J. Poelt 1987: Flechtensystematische Studien XII. Die Familie Gomphillaceae und ihre Gliederung. - Folia Geobot. Phytotax., Praha 22: 179-198.
- Vežda, A. & J. Poelt 1988: Beiträge zur Kenntnis der Flechtenflora des Himalaya I. Einige neue oder bemerkenswerte gyalectoide und foliicole Flechten. - Nova Hedwigia 47(3-4): 415-427.
- Vežda, A. & J. Poelt 1991: Die Flechtengattung *Gyalidea* Lett. ex Vežda (Solorinellaceae). Eine Übersicht mit Bestimmungsschlüssel. - Nova Hedwigia 53(1-2): 99-113.
- Vežda, A. & J. Vivant 1972: Lichens épiphyllés des Pyrénées-Atlantiques. - Bull. Soc. bot. Fr. 119: 253-258.
- Vežda, A. & J. Vivant. 1992: Lichens épiphyllés de la Guadeloupe. - Bull. Soc. bot. Fr. 139, Lettres bot. (3): 275-281.
- Vitt, D. H., M. Ostafichuk & I. M. Brodo 1973: Foliicolous bryophytes and lichens of *Thuja plicata* in western British Columbia. - Can. J. Bot. 51: 571-580.
- Vivant, J. 1988: Les lichens des Pyrénées occidentales françaises et espagnoles. - Documents d'Ecologie Pyrénéenne V: 3-119.
- Vobis, G. & D. L. Hawksworth 1981: Conidial lichen-forming fungi. In: Cole, G. T. & B. Kendrick (eds) Biology of conidial fungi, Academic Press, New York, Vol. 1, p. 245-273.
- Weber, W. A. 1966, 1971: Lichenes selecti exsiccati, distributed by the University of Colorado [Schedae]: Fasc. 4, no. 143 (1966); Fasc. 8-9, no. 284, 286 (1971); Fasc. 10-11, no. 370, 371 (1971). - Boulder, p. 1-10, p. 1-20, p. 1-20.
- Wei, J. C. 1991: An Enumeration of Lichens in China. - International Academic Publishers, Beijing, China, p. 1-278.
- Wei, J. C. & Y. M. Jiang 1991: Some foliicolous lichens in Xishuangbanna, China. In: Galloway, D. J. (ed) Tropical lichens: Their systematics, conservation, and ecology. - Systematics Association Special Volume 43: 201-216, Clarendon Press, Oxford.
- Wirth, V. 1980: Flechtenflora. Ökologische Kennzeichnung und Bestimmung der Flechten Südwestdeutschlands und angrenzender Gebiete. - Uni-Taschenbücher 1062, Verlag Eugen Ulmer, Stuttgart, p. 1-552.
- Wirth, V. 1987: Die Flechten Baden-Württembergs. Verbreitungsatlas. - Verlag Eugen Ulmer, Stuttgart, p. 1-528.
- Xavier Filho, L. (1962)1964: Um novo *Arthonia* e outros líquens estudados no IMUR. - Anais Congr. Soc. bot. Brasil XIII: 462-468.
- Xavier Filho, L. 1973: Um novo *Arthonia* e outros líquens estudados no IMUR. -

- Publções Inst. Micol. Recife 357: 1-16.
- Xavier Filho, L. 1974: Phragmopelthecaceae uma nova família de microascolíquens. - Recife, Pernambuco, 1-80. [Tese apresentada ao Instituto de Ciências Biológicas da Universidade Federal Rural de Pernambuco, para obtenção do título de "Docente Livre"]].
- Xavier Filho, L. 1975: *Raciborskiella parva* Xavier Filho, nova espécie de Strigulaceae (Líquens) do Estado do Amazonas. - Acta Amazon. 5: 141-142.
- Xavier Filho, L. 1976: Phragmopelthecaceae uma nova família de microascolíquens. - Universidade Federal da Paraíba, Centro de Ciências Exatas e da Natureza, João Pessoa - Paraíba, 1-80.
- Xavier Filho, L. 1976: *Lopadium couepiae* Xavier Filho nova espécie de Lecideaceae (Líquens) do Estado do Amazonas. - Anais da UFRPE, Ciências Biológicas Recife 3(1): 95-98.
- Xavier Filho, L. & L. M. Barros 1970: Revisão da coleção de Líquens do Museu Goeldi. - Univ. Federal de Pernambuco. Inst. de Biociências. Ser. B 1(3): 1-7.
- Xavier Filho, L. & C. T. Rizzini 1976: Manual de liquenologia Brasileiro. - Universidade Federal de Pernambuco, Recife p. 1-431.
- Yoshimura, I. 1973: Lichenological notes, 8-9. - J. Hattori Bot. Lab. 37: 535-538.
- Yoshimura, I. 1974: Lichen flora of Japan in colour. - Hoikusha Publ. Co., Osaka, p. 1-349
- Yoshimura, I. & S. Kurokawa 1973: Nine lichens collected in the Yaeyama Islands, Ryukyu. - Mem. Nat. Sci. Mus. Tokyo 6: 77-84.
- Zahlbruckner, A. & F. Mattick 1956: Flechtenflora von Java, 2. Teil. - Willdenowia 1: 433-528.

### Checklist of foliicolous lichenized fungi published up to 1992

For all taxa described after 1952 precise author names with abbreviations (following the abbreviations of Brummitt & Powell 1992 - see

References to the introduction) and a full literature citation are given. Type species are indicated for genera published after 1952, and synonyms are included (in italics) when they have been used for foliicolous lichens since 1952. For infrageneric taxa found in Santesson (1952) only author names are given. Genera treated by Santesson (1952) are cited with author and date of publication. Facultatively foliicolous species (18) are in square brackets [ ].

The list is also meant as an identification guide. Therefore references have been added to a selection of important literature: to descriptions of the taxa (**descr.**), to keys leading to the particular taxa (**key**.) and to illustrations published after 1952 (**illustr.**). In addition, indications of published distribution range (**distr.**) are given, in the form of biogeographical elements (Galloway 1991), with the exception of 'endemic' elements where a more precise indication (country, region) is used. An asterisk (\*) is added to the description, when it concerns the first description. When many descriptions were available, a selection has been made of a few especially useful ones. For the keys equally a selection has been made when more than a few were available. Illustrations have been included as much as possible.

**Remarks: 1.** The many keys presented by **Lücking (1992a)** are not all included; since almost all genera of foliicolous lichens are treated in this book, it is much recommended for genus identifications. It also contains keys for specimens without ascocarps.

**2.** The keys indicated are those leading to the taxa; thus keys to the species within a genus are to be found under the species, not under the genus.

- ACIESIA** Bat., Publções Inst. Micol. Recife, 320: 6 (1961). **Type species:** *Aciesia xylopieae* Bat. & J. L. Bezerra in Batista. **Descr.:** Batista 1961: 6\*; **key:** -.
- Aciesia xylopieae** Bat. & J. L. Bezerra in Batista, Publções Inst. Micol. Recife, 320: 7 (1961). **Descr.:** Batista 1961: 7\*; **key:** -; **illustr.:** Batista 1961: 9; **distr.:** Brazil.



- ACLEISTOMYCES** Bat., *Publções Inst. Micol. Recife*, 320: 10 (1961). **Type species:** *Acleistomyces zollerniae* Bat. & J. A. Lima in Batista. **Descr.:** Batista 1961: 10\*; **key:** -.
- Acleistomyces rionegrensis** Bat., H. Maia & Peres in Batista, *Publções Inst. Micol. Recife*, 320: 14 (1961). **Descr.:** Batista 1961: 14\*; **key:** -; **illustr.:** Batista 1961: 13; **distr.:** Brazil.
- Acleistomyces zollerniae** Bat. & J. A. Lima in Batista, *Publções Inst. Micol. Recife*, 320: 11 (1961). **Descr.:** Batista 1961: 11\*; **key:** -; **illustr.:** Batista 1961: 13; **distr.:** Brazil.
- ACTINOPLACA** Müll. Arg. in Durand & Pittier, *Bull. Soc. roy. Bot. Belgique, Gand*, 30: 56 (1891). **Descr.:** Vezda & Poelt 1987: 184; **key:** Vezda & Poelt 1987: 183.
- Actinoplaca strigulacea** Müll. Arg. in Durand & Pittier, *Bull. Soc. roy. Bot. Belgique, Gand*, 30: 57 (1891) (Reinstatement in Kalb & Vezda 1988b: 12). **Synonym:** *Echinoplaca strigulacea* (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 365, as *Echinoplaca*; Kalb & Vezda 1988b: 12; **key:** Santesson 1952: 364, as *Echinoplaca*; **illustr.:** Santesson 1952: 366, as *Echinoplaca*; Lücking 1992a: 108, 112 (spores); **distr.:** Neotropics.
- Actinoplaca vulgaris** (Müll. Arg.) Vezda & Poelt, *Folia Geobot. Phytotax., Praha*, 22: 184 (1987). **Basionym:** *Lopadium vulgare* Müll. Arg. **Synonym:** *Tricharia vulgaris* (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 389, as *Tricharia*; **key:** Santesson 1952: 380, as *Tricharia*; Vezda 1979a: 71, as *Tricharia*; Sérusiaux 1984b: 113, as *Tricharia*; **illustr.:** Lücking 1992a: 108, 112 (spores); **distr.:** Neotropics.
- ACTINOTEICHUS** Cavalc. & Poroca in Cavalcante et al., *Publções Inst. Micol. Recife*, 668: 5 (1971). **Type species:** *Actinoteichus maranhensis* Cavalc. & Poroca in Cavalcante et al. **Descr.:** Cavalcante et al. 1971: 5\*; **key:** -.
- Actinoteichus aspidospermatis** Peres in Cavalcante et al., *Publções Inst. Micol. Recife*, 668: 9 (1971). **Descr.:** Cavalcante et al. 1971: 9\*; **key:** -; **illustr.:** Cavalcante et al. 1971: 13; **distr.:** Brazil.
- Actinoteichus maranhensis** Cavalc. & Poroca in Cavalcante et al., *Publções Inst. Micol. Recife*, 668: 7 (1971). **Descr.:** Cavalcante et al. 1971: 7\*; **key:** -; **illustr.:** Cavalcante et al. 1971: 11; **distr.:** Brazil.
- Actinoteichus pernambucensis** Cavalc. in Cavalcante et al., *Publções Inst. Micol. Recife*, 668: 8 (1971). **Descr.:** Cavalcante et al. 1971: 8\*; **key:** -; **illustr.:** Cavalcante et al. 1971: 12; **distr.:** Brazil.
- ADERKOMYCES** Bat., *Publções Inst. Micol. Recife*, 320: 17 (1961). **Type species:** *Aderkomyces couepiae* Bat. **Descr.:** Batista 1961: 17\*; **key:** -.
- Aderkomyces couepiae** Bat., *Publções Inst. Micol. Recife*, 320: 18 (1961). **Descr.:** Batista 1961: 18\*; **key:** -; **illustr.:** Batista 1961: 21; **distr.:** Brazil.
- ALYSIA** Cavalc. & A. A. Silva in Cavalcante et al., *Publções Inst. Micol. Recife*, 647: 32 (1972b) = *VOUAUXIELLA* Petr. & P. Syd., a non-lichenized fungus genus. **Type species:** *Alysia pithospora* Cavalc. & A. A. Silva in Cavalcante et al. = *Vouauxiella pithospora* (Cavalc. & A. A. Silva) B. Sutton.
- Alysia pithospora* Cavalc. & A. A. Silva in Cavalcante et al., *Publções Inst. Micol. Recife*, 647: 34 (1972b) = *Vouauxiella pithospora* (Cavalc. & A. A. Silva) B. Sutton, a non-lichenized fungus.
- AMAZONOMYCES** Bat. in Batista & Peres, *Anais Congr. Soc. bot. Brasil, Manaus*, XIV: 90 ((1963)1964) = *EREMOTHECELLA*. **Type species:** *Amazonomyces palmae* Bat. & Cavalc. in Batista & Peres = ? *Eremothecella palmulacea*.
- Amazonomyces palmae* Bat. & Cavalc. in Batista & Peres, *Anais Congr. Soc. bot. Brasil, Manaus*, XIV: 91 ((1963)1964) = ? *Eremothecella palmulacea*.
- AMEROPELTOMYCES** Bat. & H. Maia, *Atas Inst. Micol.* 5: 62 (1967). **Type species:** *Ameropeltomyces lecythidicola* Bat. & H. Maia. **Descr.:** Batista & Maia 1967: 62\*; **key:** -.
- Ameropeltomyces lecythidicola** Bat. & H. Maia, *Atas Inst. Micol.* 5: 63 (1967). **Descr.:**

- Batista & Maia 1967: 63\*; **key:** -; **illustr.:** Batista & Maia 1967: 70, 71; **distr.:** Brazil.
- AMOEBOMYCES** Bat. & H. Maia, *Atas Inst. Micol.* 2: 353 (1965a). **Type species:** *Amoebomyces pseudolmediae* Bat. & H. Maia. **Descr.:** Batista & Maia 1965a: 353\*; **key:** -.
- Amoebomyces pseudolmediae** Bat. & H. Maia, *Atas Inst. Micol.* 2: 355 (1965a). **Descr.:** Batista & Maia 1965a: 355\*; **key:** -; **illustr.:** Batista & Maia 1965a: 357, 358; **distr.:** Brazil.
- ANCONOMYCES** Cavalc. & A. A. Silva in Cavalcante et al., *Publções Inst. Micol. Recife*, 647: 25 (1972b). **Type species:** *Anconomyces palmae* Cavalc. & A. A. Silva in Cavalcante et al. **Descr.:** Cavalcante et al. 1972b: 25\*; **key:** -.
- Anconomyces palmae** Cavalc. & A. A. Silva in Cavalcante et al., *Publções Inst. Micol. Recife*, 647: 26 (1972b). **Descr.:** Cavalcante et al. 1972b: 26\*; **key:** -; **illustr.:** Cavalcante et al. 1972b: 30; **distr.:** Brazil.
- ANISOMERIDIUM** (Müll. Arg.) M. Choisy, *Icon. Lich. Univ. fasc.* 1: 24 (1928). **Descr.:** -; **key:** -.
- Anisomeridium epiphyllum* R. Sant. et Finell in Vezda & Vivant 1992: 280 = veris. error for *A. foliicola*.
- Anisomeridium foliicola** R. Sant. & Tibell, *Austrobaileya*, 2(5): 531 (1988). **Descr.:** Santesson & Tibell 1988: 531\*; **key:** Lücking 1992: 13; **illustr.:** Santesson & Tibell 1988: 532; Lücking 1992a: 54, 85 (spores); **distr.:** all tropics.
- ARTHONIA** Ach., *Neues J. Bot., Erfurt*, 1(3): 3 (1806). **Synonym:** *ARTHONIOPSIS* Müll. Arg. **Descr.:** Santesson 1952: 69; **key:** Santesson 1952: 54.
- Arthonia accolens** Stirt. **Descr.:** Santesson 1952: 81; **key:** Santesson 1952: 75; **illustr.:** Santesson 1952: 82; Lücking 1992a: 26 (spores); **distr.:** Neotropics, Africa.
- Arthonia aciniformis** Stirt. **Descr.:** Santesson 1952: 81; **key:** Santesson 1952: 75; **illustr.:** Lücking 1992a: 26 (spores); **distr.:** Brazil.
- Arthonia anisolocularis** L. Xavier & Taltasse in Xavier Filho, *Anais Congr. Soc. bot. Brasil* XIII: 462 (1964). **Descr.:** Xavier Filho 1964: 462\*; **key:** -; **illustr.:** Xavier Filho 1964: 463; **distr.:** -.
- Arthonia apteropteridis** Kantvilas & Vezda, *Aust. Syst. Bot.* 1: 189 (1988). **Descr.:** Kantvilas & Vezda 1988: 189\*; **key:** -; **illustr.:** Kantvilas & Vezda 1988: 190; **distr.:** Tasmania.
- Arthonia calamicola* (Syd.) R. Sant. = *Eremothecella calamicola*.
- Arthonia cyanea** Müll. Arg. **Descr.:** Santesson 1952: 78; **key:** Santesson 1952: 75; **illustr.:** Santesson 1952: 78; Lücking 1992a: 23; **distr.:** all tropics.
- Arthonia epidendri** (Rehm) R. Sant. **Descr.:** Santesson 1952: 87; **key:** Santesson 1952: 75; **illustr.:** Santesson 1952: 87; Lücking 1992a: 26 (spores); **distr.:** Brasil, Cuba, Costa Rica.
- Arthonia leptosperma** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 79; **key:** Santesson 1952: 75; **illustr.:** Lücking 1992a: 26 (spores); **distr.:** Neotropics.
- Arthonia lividofusca** Müll. Arg. **Descr.:** Santesson 1952: 80; **key:** Santesson 1952: 75; **illustr.:** -; **distr.:** Malesia.
- Arthonia lividula** Vain. **Descr.:** Santesson 1952: 83; **key:** Santesson 1952: 75; **illustr.:** -; **distr.:** Philippines, Africa.
- Arthonia macrosperma* (Zahlbr.) R. Sant. = *Eremothecella macrosperma*.
- Arthonia microcephala** Vezda, *Acta Mus. Silesiae, Opava, ser. A*, 26: 22 (1977). **Descr.:** Vezda 1977: 22\*; **key:** -; **illustr.:** Vezda 1977: 24; **distr.:** Vietnam.
- Arthonia mira** R. Sant. **Descr.:** Santesson 1952: 77\*; **key:** Santesson 1952: 75; **illustr.:** Lücking 1992a: 26 (spores); **distr.:** Neotropics.
- Arthonia nigratula** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 86; Sérusiaux 1983: 283; **key:** Santesson 1952: 75; **illustr.:** -; **distr.:** Brazil, Africa, Australia.
- Arthonia obesa** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 86; **key:** Santesson 1952: 75; **illustr.:** -; **distr.:** Neotropics.
- Arthonia opegraphina** Lücking, *Nova Hedwigia* 52(3-4): 270 (1991). **Descr.:** Lücking 1991: 270\*; **key:** Lücking 1992a: 22; **illustr.:** Lücking 1991: 271, 272; Lück-

- ing 1992a: 23, 26; **distr.:** Costa Rica.
- Arthonia palmulacea* (Müll. Arg.) R. Sant. = *Eremothecella palmulacea*.
- Arthonia ramosii** (Räsänen) R. Sant. **Descr.:** Santesson 1952: 76; **key:** Santesson 1952: 75; **illustr.:** -; **distr.:** Borneo.
- [*Arthonia subtilis* (Vezda) Vezda, Lichenes selecti exsiccati, Brno, Fasc. V: 3, no. 111 (1961)] = *Fellhanera subtilis*.
- Arthonia trilocularis** Müll. Arg. **Descr.:** Santesson 1952: 84; **key:** Santesson 1952: 75; **illustr.:** Lücking 1992a: 26 (spores); **distr.:** all tropics.
- Arthonia variratae* Sipman & Aptroot in Aptroot & Sipman, Willdenowia 20: 237 (1991) = *Eremothecella variratae*.
- ARTHONIOPSIS** Müll. Arg., Lich. Epiph. Novi, Genève, p. 17 (1890) = **ARTHONIA**.
- Arthoniopsis calamicola* (Syd.) Szatala, Anns Hist.-nat. Mus. natn. Hung., n.s. 7: 26 (1956) = *Eremothecella calamicola*.
- ARTHOTHELIUM** A. Massal., Ricerche sull'aut. Lich. Crostosi, Verona, p. 54 (1852). **Descr.:** Santesson 1952: 92; **key:** Santesson 1952: 54.
- Arthothelium cingulatum** R. Sant. **Descr.:** Santesson 1952: 93\*; **key:** Santesson 1952: 93; **illustr.:** Lücking 1992a: 26 (spores); **distr.:** Chile, Costa Rica.
- ARTHROBOTRYOMYCES** Bat. & J. L. Bezerra, Publções Inst. Micol. Recife, 321: 9 (1961). **Type species:** *Arthrobotryomyces amazonensis* Bat. & J. L. Bezerra. **Descr.:** -Batista & Bezerra 1961: 9\* **key:** -.
- Arthrobotryomyces amazonensis** Bat. & J. L. Bezerra, Publções Inst. Micol. Univ. Recife, 321: 10 (1961). **Descr.:** Batista & Bezerra 1961: 10\*; **key:** -; **illustr.:** Batista & Bezerra 1961: 12; **distr.:** Brazil.
- ASBOLISIOMYCES** Bat. & H. Maia, Publções Inst. Micol. Recife, 322: 5 (1961). **Type species:** *Asbolisiomyces ingae* Bat. & H. Maia. **Descr.:** Batista & Maia 1961: 5\*; **key:** -.
- Asbolisiomyces ingae** Bat. & H. Maia, Publções Inst. Micol. Recife, 322: 6 (1961). **Descr.:** Batista & Maia 1961: 6\*; **key:** -; **illustr.:** Batista & Maia 1961: 9; **distr.:** Brazil.
- ASPIDOTHELIUM** Vain. em. R. Sant., Acta Soc. Fauna Fl. Fenn., Helsingfors, 7(2): 189 (1890). **Descr.:** Santesson 1952: 279; **key:** Santesson 1952: 54.
- [**Aspidothelium cinerascens** Vain. **Descr.:** Santesson 1952: 286; **key:** Santesson 1952: 282; Sérusiaux 1978: 7; **illustr.:** Lücking 1992a: 79 (spores); **distr.:** Brazil].
- [**Aspidothelium fugiens** (Müll. Arg.) R. Sant. in Thorold. **Descr.:** Santesson 1952: 282; Vezda 1973: 70; **key:** Santesson 1952: 282; Sérusiaux 1978: 7; **illustr.:** Santesson 1952: 283; , Lücking 1992a: 78; **distr.:** All tropics].
- [**Aspidothelium geminiparum** (Malme) R. Sant. **Descr.:** Santesson 1952: 285; **illustr.:** Lücking 1992a: 78, 79 (spores); **key:** Lücking 1992a: 78; **distr.:** Neotropics.]
- Aspidothelium trichothelioides** Sérus. & Vezda in Sérusiaux, Lejeunia, n. s. 90: 4 (1978). **Descr.:** Sérusiaux 1978: 4\*; **key:** Sérusiaux 1978: 7; **illustr.:** Sérusiaux 1978: 5; Lücking 1992a: 78, 79 (spores); Barillas & Lücking 1992: 305, 306; **distr.:** Africa, Costa Rica, Guatemala.
- Aspidothelium verruculosum** R. Sant. **Descr.:** Santesson 1952: 285\*; Vezda & Hafellner 1991: 74; **key:** Santesson 1952: 282; Sérusiaux 1978: 7; **illustr.:** Vezda 1977: 30, Vezda & Hafellner 1991: 75; **distr.:** New Guinea, Vietnam, Queensland.
- ASTEROTHYRIUM** Müll. Arg. em. Kalb & Vezda, Lich. Epiph. Novi, Genève, p. 12 (1890). **Descr.:** Santesson 1952: 316, Kalb & Vezda 1992: 197; **key:** Santesson 1952: 54; Vezda 1979a: 51.
- Asterothyrium anomalum** Kalb & Vezda, Nova Hedwigia 55(1-2): 196 (1992). **Descr.:** Kalb & Vezda 1992: 196\*; **key:** -; **illustr.:** Kalb & Vezda 1992: 197; **distr.:** Brazil.
- Asterothyrium argenteum** Müll. Arg. **Descr.:** Santesson 1952: 323; **key:** Santesson 1952: 319; **illustr.:** Santesson 1952: 324; Lücking 1992a: 92 (spores); **distr.:** Neotropics, Africa.
- Asterothyrium decipiens** (Rehm) R. Sant. **Descr.:** Santesson 1952: 325; **key:** Santesson 1952: 319; **illustr.:** -; **distr.:** all tropics.

- Asterothyrium hedbergii** Kalb & Vezda, Nova Hedwigia 55(1-2): 197 (1992). **Descr.:** Kalb & Vezda 1992: 198\*; **key:** -; **illustr.:** Kalb & Vezda 1992: 198; **distr.:** Brazil, ?Africa.
- Asterothyrium leptosporum** Müll. Arg. **Descr.:** Santesson 1952: 322; **key:** Santesson 1952: 319; **illustr.:** Santesson 1952: 322; Lück-ing 1992a: 92 (spores); **distr.:** Neotropics.
- Asterothyrium leucophthalmum** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 322; **key:** Santesson 1952: 319; **illustr.:** Lück-ing 1992a: 92 (spores); **distr.:** Neotropics, Africa.
- Asterothyrium microscopicum* R. Sant. in Vezda & Vivant 1992: 280 = veris. error for *A. microsporum*.
- Asterothyrium microsporum** R. Sant. **Descr.:** Santesson 1952: 320\*; **key:** Santesson 1952: 319; **illustr.:** Santesson 1952: 321; Lücking 1992a: 88, 90 (spores); **distr.:** all tropics.
- Asterothyrium monosporum** Müll. Arg. **Descr.:** Santesson 1952: 328; **key:** Santesson 1952: 319; **illustr.:** Santesson 1952: 329; Lück-ing 1992a: 92 (spores); **distr.:** Neotropics, Africa.
- Asterothyrium octomerum** R. Sant. **Descr.:** Santesson 1952: 330\*; **key:** Santesson 1952: 319; **illustr.:** -; **distr.:** Africa.
- Asterothyrium pittieri** Müll. Arg. **Descr.:** Santesson 1952: 326; **key:** Santesson 1952: 319; **illustr.:** Santesson 1952: 327; Lück-ing 1992a: 88, 92 (spores); **distr.:** all tropics.
- Asterothyrium rotuliforme** (Müll. Arg.) Sérus. in Sérusiaux & De Sloover, Veröff. geobot. Inst. Zürich, 91: 268 (1986). **Basionym:** *Gyalectidium rotuliforme* Müll. Arg. **Descr.:** Santesson 1952: 358, as *Gyalectidium*; **key:** Santesson 1952: 354, as *Gyalectidium*; **illustr.:** Lücking 1992a: 92 (spores), 95; **distr.:** all tropics.
- ASTRABOMYCES** Bat., Publções Inst. Micol. Recife, 320: 22 (1961). **Type species:** *Astrabomyces amazonensis* Bat. & Cavalc. in Batista. **Descr.:** Batista 1961: 22\*; **key:** -.
- Astrabomyces amazonensis** Bat. & Cavalc. in Batista, Publções Inst. Micol. Recife, 320: 24 (1961). **Descr.:** Batista 1961: 24\*; **key:** -; **illustr.:** Batista 1961: 27; **distr.:** Brazil.
- ASTROTHERLIUM** Eschw. em. Trevis., Syst. Lich., Nürnberg, p. 18, 26 (1824). **Descr.:** Santesson 1952: 130; **key:** Santesson 1952: 54.
- Astrothelium epiphyllum** R. Sant. **Descr.:** Santesson 1952: 131\*; **key:** -; **illustr.:** Santesson 1952: 132; **distr.:** Malasia.
- AULAXINA** Fée, Essai Crypt. Écorc. Exot. Off., Paris, 1: LX, XCIV (1825). **Descr.:** Santesson 1952: 296; Vezda & Poelt 1987: 185; **key:** Santesson 1952: 54; Vezda 1979a: 51; Vezda & Poelt 1987: 183.
- Aulaxina dictyospora** R. Sant. **Descr.:** Santesson 1952: 303\*; **key:** Santesson 1952: 297; Kalb & Vezda 1988b: 14; **illustr.:** Hertel 1974: 406 (spores); Lücking 1992a: 100, 104 (spores); **distr.:** Brazil, Guatemala, Venezuela, Africa, Australia.
- Aulaxina epiphylla** (Zahlbr.) R. Sant. **Descr.:** Santesson 1952: 305; **key:** Santesson 1952: 297; **illustr.:** -; **distr.:** Paleotropics.
- Aulaxina microphana** (Vain.) R. Sant. **Descr.:** Santesson 1952: 299; Sérusiaux 1979b: 88; **key:** Santesson 1952: 297; Kalb & Vezda 1988b: 14; **illustr.:** Lücking 1992a: 104 (spores); **distr.:** all tropics.
- Aulaxina minuta** R. Sant. **Descr.:** Santesson 1952: 298\*; **key:** Santesson 1952: 297; Kalb & Vezda 1988b: 14; **illustr.:** Lücking 1992a: 100, 104 (spores); **distr.:** Neotropics, Africa.
- Aulaxina multiseptata** R. Sant. **Descr.:** Santesson 1952: 302\*; **key:** Santesson 1952: 297; **illustr.:** -; **distr.:** Java.
- Aulaxina opegraphina** Fée. **Descr.:** Santesson 1952: 304; **key:** Santesson 1952: 297; Kalb & Vezda 1988b: 14; **illustr.:** Santesson 1952: 304; Lücking 1992a: 100, 104 (spores); **distr.:** all tropics.
- Aulaxina quadrangula** (Stirt.) R. Sant. in Thorold. **Descr.:** Santesson 1952: 300; **key:** Santesson 1952: 297; Kalb & Vezda 1988b: 14; **illustr.:** Santesson 1952: 301; Lück-ing 1992a: 100, 104 (spores); **distr.:** Neotropics, Africa.
- Aulaxina submuralis** Kalb & Vezda, Bibl. Li-



- chenol. 29: 16 (1988b). **Descr.:** Kalb & Vezda 1988b: 16\*; **key:** Kalb & Vezda 1988b: 14; **illustr.:** Kalb & Vezda 1988b: Abb. 4; **distr.:** Brazil (São Paulo, Rio de Janeiro).
- Aulaxina uniseptata** R. Sant. **Descr.:** Santesson 1952: 298\*; **key:** Santesson 1952: 297; **illustr.:** -; **distr.:** India.
- Aulaxina unisporea** Sérus., *Lejeunia*, n. s. 90: 8 (1978). **Descr.:** Sérusiaux 1978: 8\*; **key:** -; **illustr.:** Sérusiaux 1978: 10; **distr.:** Africa.
- BACIDIA** De Not. em. *Zahlbr.*, *Giorn. Bot. Ital.*, Firenze, 2(1.1): 189 (1846). **Descr.:** Santesson 1952: 436; **key:** Santesson 1952: 54.
- Bacidia africana** Vezda, *Folia Geobot. Phytotax.*, Praha, 10: 415 (1975b). **Descr.:** Vezda 1975b: 415\*; **key:** Vezda 1975b: 413; Vezda 1987: 73; **illustr.:** Vezda 1975b: 416; **distr.:** Africa.
- Bacidia albidocincta** (Vain.) *Zahlbr.* **Descr.:** Santesson 1952: 469; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Malesia.
- Bacidia apiahica* (Müll. Arg.) *Zahlbr.* = *Bacidina apiahica*.
- Bacidia aurantiaca* Vezda, *Acta Mus. Silesiae*, Opava, ser. A, 23: 178 (1974) = *Fellhanera aurantiaca*.
- Bacidia brasiliensis** (Müll. Arg.) *Zahlbr.* **Descr.:** Santesson 1952: 453; **key:** Santesson 1952: 440; **illustr.:** Lücking 1992a: 131 (spores); **distr.:** Neotropics.
- Bacidia buxi* Vezda & Vivant, *Bull. Soc. Bot. France* 119: 256 (1972) = *Fellhanera buxi*.
- Bacidia carnea* Vezda, *Acta Mus. Silesiae*, Opava, ser. A, 24: 121 (1975a) = *Fellhanera carnea*.
- Bacidia cateilea* (Vain.) R. Sant. = *Fellhanera cateilea*.
- Bacidia cinnamomea** (Kremp.) Vain. **Descr.:** Santesson 1952: 451; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Borneo.
- Bacidia colchica** Vezda, *Folia Geobot. Phytotax.*, Praha, 14: 203 (1979b). **Descr.:** Vezda 1979b: 203\*; Vezda 1983: 63; **key:** -; **illustr.:** -; **distr.:** Caucasus.
- Bacidia consanguinea** (Müll. Arg.) *Zahlbr.* **Descr.:** Santesson 1952: 450; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Bra-
- zil.
- Bacidia consimilis** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 459; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Neotropics.
- Bacidia dimerelloides** Vezda, *Acta Mus. Silesiae*, Opava, ser. A, 23: 179 (1974). **Synonym:** *Bacidia foliicola* Vezda. **Descr.:** Vezda 1974: 179\*; Vezda 1974: 180 as *Bacidia foliicola*; **key:** Vezda 1975b: 413, Vezda 1975b: 413 as *Bacidia foliicola*; **illustr.:** Vezda 1974: 180, Vezda 1974: 181 as *Bacidia foliicola*; **distr.:** Africa.
- Bacidia dimidiata* (C. Bab. ex Leight.) R. Sant. = *Badimia dimidiata*.
- Bacidia dominicana* (Vain.) *Zahlbr.* = *Fellhanera dominicana*.
- Bacidia ekmanii** Vezda, *Folia Geobot. Phytotax.*, Praha, 19: 202 (1984). **Descr.:** Vezda 1984: 202\*; **key:** -; **illustr.:** Vezda 1984: 199; **distr.:** Cuba.
- Bacidia elegans* (Vain.) *Zahlbr.* = *Badimia elegans*.
- Bacidia foliicola* Vezda, *Acta Mus. Silesiae*, Opava, ser. A, 23: 180 (1974) = *Bacidia dimerelloides* (Vezda 1966-1991(1987): (LXXXVII)3).
- Bacidia fragilis** Vezda, *Folia Geobot. Phytotax.*, Praha, 10: 417 (1975b). **Descr.:** Vezda 1975b: 417\*; **key:** Vezda 1975b: 413; **illustr.:** Vezda 1975b: 412; **distr.:** Africa.
- Bacidia fuscatula* (Müll. Arg.) *Zahlbr.* = *Fellhanera fuscatula*.
- Bacidia fuscorubra* Vezda, *Acta Mus. Silesiae*, Opava, ser. A, 24: 122 (1975a) = *Barubria fuscorubra*.
- Bacidia gabrielis* (Müll. Arg.) *Zahlbr.* = *Loflammia gabrielis*.
- Bacidia galbinea* (Kremp.) *Zahlbr.* = *Badimia galbinea*.
- Bacidia gorgonea** Vezda & Poelt, in Poelt & Vezda, *Herzogia* 9: 241 (1992). **Descr.:** Poelt & Vezda 1992: 241\*; **key:** -; **illustr.:** Poelt & Vezda 1992: 245; **distr.:** Austria.
- Bacidia ituriensis** Vezda, *Folia Geobot. Phytotax.*, Praha, 15: 84 (1980). **Descr.:** Vezda 1980: 84\*; **key:** Vezda 1980: 83; **illustr.:** Vezda 1980: 85; **distr.:** Africa.

- Bacidia lambinonii** Sérus., *Lejeunia*, n. s. 90: 12 (1978). **Descr.:** Sérusiaux 1978: 12\*; **key:** Vezda 1980: 83; **illustr.:** Sérusiaux 1978: 14; **distr.:** Africa.
- Bacidia lecanorina** (Zahlbr.) R. Sant. **Descr.:** Santesson 1952: 469; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Samoa.
- Bacidia lisowskii* Vezda, *Folia Geobot. Phytotax.*, Praha, 15: 87 (1980) = *Fellhanera lisowskii*.
- Bacidia marginalis** (Vain.) R. Sant. **Descr.:** Santesson 1952: 446; **key:** Santesson 1952: 440; **illustr.:** Santesson 1952: 446; **distr.:** Malesia.
- Bacidia mastothallina** Vain. **Descr.:** Santesson 1952: 451; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Malesia, Philippines, New Guinea, Australia.
- Bacidia michaeliana** Sérus., *Lejeunia*, n. s. 90: 15 (1978). **Descr.:** Sérusiaux 1978: 15\*; **key:** Vezda 1980: 83; **illustr.:** Sérusiaux 1978: 14; **distr.:** Africa.
- Bacidia microdiscus* (Vain.) Zahlbr. = *Fellhanera microdiscus*.
- Bacidia micrommata** (Kremp.) R. Sant. **Descr.:** Santesson 1952: 460; **key:** Santesson 1952: 440; Vezda 1980: 83; **illustr.:** -; **distr.:** Malesia, Philippines, India, Africa.
- Bacidia myriocarpa* Vezda, *Acta Mus. Silesiae*, Opava, ser. A, 24: 123 (1975a) = *Fellhanera rhapidophylli* (Vezda 1980: 83).
- Bacidia nigrescens** (Müll. Arg.) Vain. **Descr.:** Santesson 1952: 450; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Brazil.
- Bacidia olivaceorufa** Vain. **Descr.:** Santesson 1952: 452; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Malesia.
- Bacidia pallidocarnea* (Müll. Arg.) Zahlbr. = *Bacidina pallidocarnea*.
- Bacidia pallidula* (Kremp.) Zahlbr. = *Badimia pallidula*.
- Bacidia palmularis** (Müll. Arg.) Zahlbr. **Descr.:** Santesson 1952: 448; **key:** Santesson 1952: 440; Vezda 1975b: 413; Vezda 1987: 73; **illustr.:** Lücking 1992a: 128, 131 (spores); **distr.:** all tropics.
- Bacidia paradoxa* Vezda, *Acta Mus. Silesiae*, Opava, ser. A, 23: 183 (1974) = *Fellhanera paradoxa*.
- Bacidia pauciseptata** R. Sant. **Descr.:** Santesson 1952: 476\*; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Colombia.
- Bacidia permira** Vezda, *Folia Geobot. Phytotax.*, Praha, 10: 419 (1975b). **Descr.:** Vezda 1975b: 419\*; **key:** Vezda 1975b: 413; **illustr.:** Vezda 1975b: 420; **distr.:** Africa.
- Bacidia polillensis* (Vain.) Zahlbr. = *Badimia polillensis*.
- Bacidia psychotriae** (Müll. Arg.) Zahlbr. **Descr.:** Santesson 1952: 473; **key:** Santesson 1952: 440; **illustr.:** Santesson 1952: 473; **distr.:** Neotropics.
- Bacidia rhapidophylli* (Rehm) Zahlbr. = *Fellhanera rhapidophylli*.
- Bacidia rubicunda** (Müll. Arg.) Zahlbr. **Descr.:** Santesson 1952: 449; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Brazil.
- Bacidia scutellifera* Vezda, *Folia Geobot. Phytotax.*, Praha, 10: 421 (1975b) = *Bacidina scutellifera*.
- Bacidia solediantha* Vezda, *Folia Geobot. Phytotax.*, Praha, 15: 88 (1980) = *Fellhanera solediantha*.
- Bacidia stanhopeae* (Müll. Arg.) Zahlbr. = *Badimia stanhopeae*.
- Bacidia sublecanorina* (Nyl.) Zahlbr. = *Fellhanera sublecanorina*.
- Bacidia submicrommata** Vezda, *Acta Mus. Silesiae*, Opava, ser. A, 24: 124 (1975a). **Descr.:** Vezda 1975a: 124\*; **key:** Vezda 1975b: 413; **illustr.:** Vezda 1975a: 125; **distr.:** Africa.
- Bacidia subsimilis** Vezda, *Folia Geobot. Phytotax.*, Praha, 10: 424 (1975b). **Descr.:** Vezda 1975b: 424\*; **key:** Vezda 1975b: 413; **illustr.:** Vezda 1975b: 416; **distr.:** Africa.
- Bacidia subternella* (Nyl.) R. Sant. = *Fellhanera subternella*.
- [*Bacidia subtilis* Vezda, *Preslia*, Praha, 33: 367 (1961)] = *Fellhanera subtilis*.
- Bacidia subundulata* (Stirt.) R. Sant. = *Byssoloma subundulatum*.
- Bacidia tuckermanii** R. Sant. **Descr.:** Santesson 1952: 464; **key:** Santesson 1952: 440; **illustr.:** -; **distr.:** Neotropics.
- Bacidia vasakii* Vezda, *Folia Geobot. Phytotax.*, Praha, 18: 64 (1983) = *Bacidina vasakii*.
- Bacidia vieillardii* (Müll. Arg.) R. Sant. = *Badi-*

mia vieillardii.

*Bacidia wirthii* Vezda, Folia Geobot. Phytotax., Praha, 15: 91 (1980) = *Fellhanera wirthii*.

*Bacidia ziamensis* Vezda, Acta Mus. Silesiae, Opava, ser. A, 23: 184 (1974) = *Bacidina ziamensis*.

**BACIDINA** Vezda, Folia Geobot. Phytotax., Praha, 25: 431 ((1990)1991). **Type species:** *Bacidia phacodes* Körb., Parerg. Lich. p. 130 (1860) = *Bacidina phacodes* (Körb.) Vezda, Folia Geobot. Phytotax., Praha, 25: 432 ((1990)1991). **Descr.:** Vezda 1990: 431\*; **key:** -.

**Bacidina apiahica** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 25: 432 ((1990)1991). **Basionym:** *Patellaria apiahica* Müll. Arg. in Lich. Epiph. Novi, Genève, p. 9 (1890). **Synonym:** *Bacidia apiahica* (Müll. Arg.) Zahlbr. **Descr.:** Santesson 1952: 443, as *Bacidia*; Sérusiaux 1976: 13, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; Vezda 1975b: 413, as *Bacidia*; Vezda 1983: 62, as *Bacidia*; **illustr.:** Lücking 1992a: 128, 131 (spores), 152; **distr.:** all tropics, southern Europe.

**Bacidina canariensis** Lumbsch & Vezda, Lichenologist 24: 22 (1992). **Descr.:** Lumbsch & Vezda 1992: 22\*; **key:** -; **illustr.:** Lumbsch & Vezda 1992: 23; **distr.:** Canary Islands.

**Bacidina mirabilis** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 25: 432 ((1990)1991). **Basionym:** *Catillaria mirabilis* Vezda. **Descr.:** Vezda 1980: 80\*, as *Catillaria*; Sipman & Aptroot 1992: 90; **key:** Vezda 1980: 78, as *Catillaria*; **illustr.:** Vezda 1980: 81, as *Catillaria*; Lücking 1992a: 128; **distr.:** Africa, Costa Rica.

**Bacidina pallidocarnea** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 25: 432 ((1990)1991). **Basionym:** *Patellaria pallidocarnea* Müll. Arg. in Flora, Regensburg, 64: 232 (1881). **Synonym:** *Bacidia pallidocarnea* (Müll. Arg.) Zahlbr. **Descr.:** Santesson 1952: 444, as *Bacidia*; Vezda 1983: 62, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; Vezda 1975b: 413, as *Bacidia*; **illustr.:** -Lücking

1992a: 131 (spores); **distr.:** all tropics.

**Bacidina scutellifera** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 25: 432 ((1990)1991). **Basionym:** *Bacidia scutellifera* Vezda. **Descr.:** Vezda 1975b: 421\*, as *Bacidia*; **key:** Vezda 1975b: 413, as *Bacidia*; Vezda 1983: 62, as *Bacidia*; **illustr.:** Vezda 1975b: 423, as *Bacidia*; Lücking 1992a: 128; **distr.:** all tropics.

**Bacidina vasakii** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 25: 432 ((1990)1991). **Basionym:** *Bacidia vasakii* Vezda. **Descr.:** Vezda 1983: 64\*, as *Bacidia*; **key:** Vezda 1983: 62, as *Bacidia*; **illustr.:** -; **distr.:** Caucasus.

**Bacidina ziamensis** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 25: 432 ((1990)1991). **Basionym:** *Bacidia ziamensis* Vezda. **Descr.:** Vezda 1974: 184\*, as *Bacidia*; Vezda 1983: 62, as *Bacidia*; **key:** Vezda 1975b: 413, as *Bacidia*; **illustr.:** Vezda 1974: 181, as *Bacidia*; **distr.:** Africa.

**BADIMIA** Vezda, Folia Geobot. Phytotax., Praha, 21: 206 (1986). **Type species:** *Bacidia dimidiata* (C. Bab. ex Leight.) R. Sant. = *Badimia dimidiata* (C. Bab. ex Leight.) Vezda. **Descr.:** Vezda 1986: 207\*; **key:** Vezda 1986: 206.

**Badimia dimidiata** (C. Bab. ex Leight.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym:** *Lecanora dimidiata* C. Bab. ex Leight. in Trans. Linn. Soc. 25: 446 (1866). **Synonym:** *Bacidia dimidiata* (C. Bab. ex Leight.) R. Sant. **Descr.:** Santesson 1952: 466, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; Vezda 1980: 83, as *Bacidia*; **illustr.:** Vezda 1980: 84, as *Bacidia*; **distr.:** Neotropics, Africa.

**Badimia elegans** (Vain.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym:** *Bilimbia elegans* Vain. in Ann. Acad. Sci. Fenn., ser. A, 15: 83 (1921). **Synonym:** *Bacidia elegans* (Vain.) Zahlbr. **Descr.:** Santesson 1952: 463, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; **illustr.:** Vezda 1975b: 413, as *Bacidia*; Sérusiaux 1986a: 2; **distr.:** Malesia, Africa.

**Badimia galbinea** (Kremp.) Vezda, Folia Geo-

- bot. Phytotax., Praha, 21: 215 (1986).  
**Basionym:** *Lecidea galbinea* Kremp. in Lich. foliicolae quos legit O. Beccari etc., München, p. 8 (1874). **Synonym:** *Bacidia galbinea* (Kremp.) Zahlbr. **Descr.:** Santesson 1952: 462, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; **illustr.:** Lücking 1992a: 149, 150 (spores), 152, 163, 164; **distr.:** Malesia, Costa Rica.
- Badimia pallidula** (Kremp.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986).  
**Basionym:** *Lecidea pallidula* Kremp. in Lich. foliicolae quos legit O. Beccari etc., München, p. 9 (1874). **Synonym:** *Bacidia pallidula* (Kremp.) Zahlbr. **Descr.:** Santesson 1952: 464, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; **illustr.:** -; **distr.:** Malesia.
- Badimia polillensis** (Vain.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986).  
**Basionym:** *Bilimbia polillensis* Vain. in Ann. Acad. Sci. Fenn., ser. A, 15: 28 (1921). **Synonym:** *Bacidia polillensis* (Vain.) Zahlbr. **Descr.:** Santesson 1952: 465, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; **illustr.:** -; **distr.:** Malesia, Philippines, India, Australia.
- Badimia stanhopeae** (Müll. Arg.) Vezda, Lichenes selecti exsiccati, Brno, Fasc. XCIII: 2, no. 2307 (1989). **Basionym:** *Patellaria stanhopiae* Müll. Arg. in Flora, Regensburg, 64: 229 (1881). **Synonym:** *Bacidia stanhopeae* (Müll. Arg.) Zahlbr. **Descr.:** Santesson 1952: 474, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; Vezda 1975b: 413, as *Bacidia*; **illustr.:** Lücking 1992a: 149, 150 (spores), 152; **distr.:** Neotropics, Africa.
- Badimia vieillardii** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986).  
**Basionym:** *Lecania vieillardii* Müll. Arg. in Flora, Regensburg, 64: 225 (1881). **Synonym:** *Bacidia vieillardii* (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 468, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; **illustr.:** -; **distr.:** Malesia, New Caledonia.
- BARUBRIA** Vezda, Folia Geobot. Phytotax., Praha, 21: 207 (1986). **Type species:** *Bacidia fuscorubra* Vezda = *Barubria fuscorubra* (Vezda) Vezda. **Descr.:** Vezda 1986: 207\*; **key:** Vezda 1986: 206.
- Barubria fuscorubra** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986).  
**Basionym:** *Bacidia fuscorubra* Vezda. **Descr.:** Vezda 1975a: 122\*, as *Bacidia*; **key:** Vezda 1975b: 413, as *Bacidia*; **illustr.:** Vezda 1975a: 122, as *Bacidia*; **distr.:** Africa.
- BILIMBIA** De Not., Giorn. Bot. Ital., Firenze, 2(1.1): 190 (1846) = MYCOBILIMBIA.
- Bilimbia fuscatula* (Müll. Arg.) Szatala, Annl. Hist.-nat. Mus. natn. Hung., n.s. 7: 43 (1956) = *Fellhanera fuscatula*.
- Bilimbia gabrielis* (Müll. Arg.) Szatala, Annl. Hist.-nat. Mus. natn. Hung., n.s. 7: 43 (1956) = *Loflammia gabrielis*.
- Bilimbia sublecanorina* (Nyl.) Szatala, Annl. Hist.-nat. Mus. natn. Hung., n.s. 7: 43 (1956) = *Fellhanera sublecanorina*.
- BULLATINA** Vezda & Poelt, Folia Geobot. Phytotax., Praha, 22: 186 (1987). **Type species:** *Ectolechia aspidota* Vain. = *Bullatina aspidota* (Vain.) Vezda & Poelt. **Descr.:** Vezda & Poelt 1987: 186; **key:** Vezda & Poelt 1987: 183.
- Bullatina aspidota** (Vain.) Vezda & Poelt, Folia Geobot. Phytotax., Praha, 22: 186 (1987).  
**Basionym:** *Ectolechia aspidota* Vain. in Lich. in Cat. Welwitsch's Afr. Fl. II: 428 (1901). **Synonym:** *Gyalectidium aspidotum* (Vain.) R. Sant., *Calenia aspidota* (Vain.) Vezda. **Descr.:** Santesson 1952: 360, as *Gyalectidium*; Vezda 1984: 195, as *Calenia*; **key:** Santesson 1952: 354, as *Gyalectidium*; **illustr.:** Santesson 1952: 361, as *Gyalectidium*; Lücking 1992a: 106; **distr.:** all tropics, but rare in the Neotropics.
- Bullatina viridis** Brusse, Bothalia 22(1): 44 (1992). **Descr.:** Brusse 1992: 44\*; **key:** -; **illustr.:** Brusse 1992: 44, 45; **distr.:** South Africa.
- BYRSOMYCES** Cavalc. in Cavalcante et al., Publções Inst. Micol. Recife, 675: 6 (1972a). **Type species:** *Byrsomyces olivaceus* Cavalc. in Cavalcante et al. **Descr.:** Cavalcante et al. 1972a: 6\*; **key:** -.
- Byrsomyces olivaceus** Cavalc. in Cavalcante et



- al., *Publicações Inst. Micol. Recife*, 675: 7 (1972a). **Descr.:** Cavalcante et al. 1972a: 7\*; **key:** -; **illustr.:** Cavalcante et al. 1972a: 15, 16; **distr.:** Brazil.
- BYSSOLECANIA** Vain., *Ann. Acad. Sci. Fenn., Helsingfors*, ser. A, 19: 48 (1923) (see Eriksson & Hawksworth 1991c: 137). **Synonym:** *GONOLECANIA* Zahlbr. **Type species:** *Byssolecania fuscolivida* Vain. **Descr.:** Santesson 1952: 551; **key:** Santesson 1952: 54.
- Byssolecania deplanata** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 555; **key:** Santesson 1952: 553; **illustr.:** Santesson 1952: 556; Lücking 1992a: 145; **distr.:** all tropics.
- Byssolecania fumosonigricans** (Müll. Arg.) R. Sant. **Synonym:** *Gonolecania fumosonigricans* (Müll. Arg.) Brusse. **Descr.:** Santesson 1952: 553; **key:** Santesson 1952: 553; **illustr.:** Santesson 1952: 554; **distr.:** all tropics.
- BYSSOLOMA** Trevis., *Spighe e Paglie, Padova*, p. 6 (1853). **Synonym:** *Calidia* Stirton. **Descr.:** Santesson 1952: 477; **key:** Santesson 1952: 54.
- Byssoloma aeruginescens** Vezda, *Acta Mus. Silesiae, Opava*, ser. A, 23: 185 (1974). **Descr.:** Vezda 1974: 185\*; **key:** Vezda 1987: 73; Kalb & Vezda 1990: 436; **illustr.:** -; **distr.:** Africa, Neotropics.
- Byssoloma amazonicum** Kalb & Vezda, *Nova Hedwigia* 51(3-4): 437 (1990). **Descr.:** Kalb & Vezda 1990: 437\*; **key:** Kalb & Vezda 1990: 436; **illustr.:** Kalb & Vezda 1990: 439; **distr.:** Neotropics.
- Byssoloma anomalum** Kalb & Vezda, *Nova Hedwigia* 51(3-4): 438 (1990). **Descr.:** Kalb & Vezda 1990: 438\*; **key:** Kalb & Vezda 1990: 436; **illustr.:** Kalb & Vezda 1990: 440; **distr.:** Neotropics.
- Byssoloma aurantiacum** Kalb & Vezda, *Nova Hedwigia* 51(3-4): 441 (1990). **Descr.:** Kalb & Vezda 1990: 441\*; **key:** Kalb & Vezda 1990: 436; **illustr.:** Kalb & Vezda 1990: 442; **distr.:** Neotropics.
- Byssoloma chlorinum** (Vain.) Zahlbr. **Descr.:** Santesson 1952: 489; **key:** Santesson 1952: 480; **illustr.:** Lücking 1992a: 140; **distr.:** Java, Society Islands, Guatemala.
- Byssoloma dimerelloides** Sipman & Aptroot in Aptroot & Sipman, *Willdenowia* 20: 240 (1991). **Descr.:** Aptroot & Sipman 1991: 240\*; **key:** -; **illustr.:** Aptroot & Sipman 1991: 226, 239; **distr.:** New Guinea.
- Byssoloma discordans** (Vain.) Zahlbr. **Descr.:** Santesson 1952: 488; Lücking 1992a: 142; **key:** Santesson 1952: 480; **illustr.:** Lücking 1992a: 140; **distr.:** all tropics.
- Byssoloma fadenii** Vezda, *Folia Geobot. Phytotax., Praha*, 10: 425 (1975b). **Descr.:** Vezda 1975b: 425\*; **key:** Vezda 1987: 73; Kalb & Vezda 1990: 436; **illustr.:** Vezda 1975b: 407; **distr.:** Africa, Neotropics (Costa Rica - Brazil).
- Byssoloma farkasii** Sipman in Sipman & Aptroot, *Tropical Bryology* 5: 98 (1992). **Descr.:** Sipman & Aptroot 1992: 98\*; **key:** -; **illustr.:** Sipman & Aptroot 1992: 103; **distr.:** northern South America.
- [**Byssoloma leucoblepharum** (Nyl.) Vain. em. R. Sant. **Synonym:** *Calidia rhizophora* Stirton. **Descr.:** Santesson 1952: 484; **key:** Santesson 1952: 480; Vezda 1987: 73; Kalb & Vezda 1990: 436; **illustr.:** Lücking 1992a: 140, 141 (spores); **distr.:** all tropics, Europe].
- Byssoloma minutissimum** Kalb & Vezda, *Nova Hedwigia* 51(3-4): 445 (1990). **Descr.:** Kalb & Vezda 1990: 445\*; **key:** Kalb & Vezda 1990: 436; **illustr.:** Kalb & Vezda 1990: 446; Lücking 1992a: 140, 141 (spores); **distr.:** Neotropics.
- Byssoloma murinum** Vezda, *Folia Geobot. Phytotax., Praha*, 22: 76 (1987). **Descr.:** Vezda 1987: 76\*; **key:** Vezda 1987: 73; **illustr.:** Vezda 1987: 77; **distr.:** Africa.
- Byssoloma ortizii** Lücking, *Nova Hedwigia* 52(3-4): 299 (1991). **Descr.:** Lücking 1991: 299\*; **key:** Lücking 1992a: 139; **illustr.:** Lücking 1991: 301, 302; Lücking 1992a: 145, 150 (spores), 152; **distr.:** Costa Rica.
- Byssoloma polychromum** (Müll. Arg.) Zahlbr. **Descr.:** Santesson 1952: 493; **key:** Santesson 1952: 480; Kalb & Vezda 1990: 436; **illustr.:** Kalb & Vezda 1990: 448; **distr.:** Brazil.
- Byssoloma rotuliforme* (Müll. Arg.) R. Sant. in Thorold = *Byssoloma subdiscordans*.
- [**Byssoloma subdiscordans** (Nyl.) P. James,

- Lichenologist 5: 126 (1971a). **Basionym:** *Chiodecton subdiscordans* Nyl. in Flora, Regensburg, 62: 221 (1879). **Synonym:** *Byssoloma rotuliforme* (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 490-491, as *Byssoloma rotuliforme*; **key:** Santesson 1952: 480, as *Byssoloma rotuliforme*; Vezda 1987: 73; Kalb & Vezda 1990: 436; **illustr.:** Lücking 1992a:140; **distr.:** all tropics, Europe].
- Byssoloma subdiscordans** (Nyl.) P. James f. **puertoricensis** Sérus., Occas. Pap. Farlow Herbarium, 10: 16 (1976). **Descr.:** Sérusiaux 1976: 16; **key:** -; **illustr.:** Lücking 1992a: 141 (spores); **distr.:** Puerto Rico.
- Byssoloma subpolychromum** Vezda, Folia Geobot. Phytotax., Praha, 10: 426 (1975b). **Descr.:** Vezda 1975b: 426\*; **key:** Vezda 1987: 73; **illustr.:** Vezda 1975b: 407; **distr.:** Africa.
- Byssoloma subundulatum** (Stirt.) Vezda, Folia Geobot. Phytotax., Praha, 21: 216 (1986). **Basionym:** *Lecanora subundulata* Stirt. in Proc. Philos. Soc. Glasgow, 10: 295 (1877). **Synonym:** *Bacidia subundulata* (Stirt.) R. Sant. **Descr.:** Santesson 1952: 454, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; **illustr.:** Santesson 1952: 454, as *Bacidia*; **distr.:** New Zealand, Australia.
- Byssoloma tricholomum** (Mont.) Zahlbr. em. R. Sant. **Descr.:** Santesson 1952: 481; **key:** Santesson 1952: 480; Vezda 1987: 73; Kalb & Vezda 1990: 436; **illustr.:** Santesson 1952: 481; Lücking 1992a:140, 141 (spores); **distr.:** all tropics.
- Byssoloma usambarense** Vezda, Folia Geobot. Phytotax., Praha, 22: 79 (1987). **Descr.:** Vezda 1987: 79\*; **key:** Vezda 1987: 73; **illustr.:** Vezda 1987: 77; **distr.:** Africa.
- Byssoloma vanderystii** Sérus., Lichenologist 11: 181 (1979c). **Descr.:** Sérusiaux 1979c: 181\*; **key:** Vezda 1987: 73; **illustr.:** Sérusiaux 1979c: 181; **distr.:** Africa, Australia.
- Byssoloma vezdanum** Sérus., Lejeunia, n. s. 90: 16 (1978). **Descr.:** Sérusiaux 1978: 16\*; **key:** Vezda 1987: 73; **illustr.:** Sérusiaux 1978: 14; **distr.:** Africa.
- CALENIA** Müll. Arg. em. R. Sant., Lich. Epiph. Novi, Genève, p. 3 (1890). **Descr.:** Santesson 1952: 338; Vezda & Poelt 1987: 186; **key:** Santesson 1952: 54; Vezda 1979a: 51; Vezda & Poelt 1987: 183.
- Calenia africana** Sérus., Lejeunia, n. s. 90: 11 (1978). **Descr.:** Sérusiaux 1978: 11\*; **key:** -; **illustr.:** Sérusiaux 1978: 10; **distr.:** Africa.
- Calenia aggregata** R. Sant. **Descr.:** Santesson 1952: 343\*; **key:** Santesson 1952: 340; **illustr.:** -; **distr.:** Neotropics.
- Calenia aspidota* (Vain.) Vezda, Folia Geobot. Phytotax., Praha, 19: 195 (1984) = *Bullantina aspidota*.
- Calenia caucasica* (Elenkin & Woron.) Vezda, Lichenes selecti exsiccati, Brno, Fasc. LXI: 4, no. 1512 (1978) = *Gyalectidium causicum*.
- Calenia conspersa** (Stirt.) R. Sant. **Descr.:** Santesson 1952: 341; **key:** Santesson 1952: 340; **illustr.:** Santesson 1952: 341, 342; **distr.:** all tropics.
- Calenia depressa** Müll. Arg. **Descr.:** Santesson 1952: 347; **key:** Santesson 1952: 340; **illustr.:** Lücking 1992a: 102, 104 (spores); **distr.:** all tropics.
- Calenia graphidea** Vain. **Descr.:** Santesson 1952: 348; **key:** Santesson 1952: 340; **illustr.:** -; **distr.:** all tropics.
- Calenia laevigata* Müll. Arg., Journ. Linn. Soc. Bot., London, 29: 323 (1892) = *Caleniopsis laevigata*.
- Calenia leptocarpa** Vain. **Descr.:** Santesson 1952: 346; **key:** Santesson 1952: 340; **illustr.:** -; **distr.:** Philippines, Queensland.
- Calenia maculans** (Vain.) R. Sant. **Descr.:** Santesson 1952: 343; **key:** Santesson 1952: 340; **illustr.:** -; **distr.:** Philippines.
- Calenia microcarpa** Vezda, Folia Geobot. Phytotax., Praha, 14: 55 (1979a). **Descr.:** Vezda 1979a: 55\*; **key:** -; **illustr.:** Vezda 1979a: Taf. 7: 23; **distr.:** Paleotropics.
- Calenia monospora** Vezda, Folia Geobot. Phytotax., Praha, 14: 56 (1979a). **Descr.:** Vezda 1979a: 56\*; **key:** -; **illustr.:** Vezda 1979a: 84, Taf. 8: 24; **distr.:** Neotropics, Africa.
- Calenia phyllogena** (Müll. Arg.) R. Sant. **Descr.:**

- Santesson 1952: 349; **key**: Santesson 1952: 340; **illustr.**: Santesson 1952: 350; Lück-ing 1992a: 102, 104 (spores); **distr.**: Neotropics, Malesia.
- Calenia solorinoides** Lücking, Nova Hedwigia 52(3-4): 292 (1991). **Descr.**: Lücking 1991: 292\*; **key**: Lücking 1992a: 102; **illustr.**: Lücking 1991: 294, 296; Lücking 1992a: 102; **distr.**: Costa Rica.
- Calenia submaculans** R. Sant. **Descr.**: Santesson 1952: 344\*; **key**: Santesson 1952: 340; **illustr.**: -; **distr.**: Neotropics.
- Calenia thelotremella** Vain. **Descr.**: Santesson 1952: 351; **key**: Santesson 1952: 340; **illustr.**: -; **distr.**: Malesia, Philippines, New Guinea, India, Queensland.
- CALENIOPSIS** Vezda & Poelt, Folia Geobot. Phytotax., Praha, 22: 187 (1987). **Type species**: Caleniopsis laevigata (Müll. Arg.) Vezda & Poelt. **Descr.**: Vezda & Poelt 1987: 187; **key**: Vezda & Poelt 1987: 183.
- Caleniopsis laevigata** (Müll. Arg.) Vezda & Poelt, Folia Geobot. Phytotax., Praha, 22: 187 (1987). **Basionym**: *Calenia laevigata* Müll. Arg. in Journ. Linn. Soc. Bot., London, 29: 323 (1892). **Descr.**: Santesson 1952: 345, as *Calenia*; **key**: Santesson 1952: 340, as *Calenia*; **illustr.**: Santesson 1952: 346, as *Calenia*; **distr.**: Brazil (Amazonia).
- CALIDIA** Stirton, Rep. Trans. Glasgow Soc. Fld. Nat. 4: 91 (1876) = BYSSOLOMA.
- Calidia rhizophora* Stirton, Rep. Trans. Glasgow Soc. Fld. Nat. 4: 91 (1876) = Bysso-loma leucoblepharum.
- CALOPADIA** Vezda, Folia Geobot. Phytotax., Praha, 21: 208 (1986). **Type species**: *Lopadium fuscum* Müll. Arg. = *Calopadia fusca* (Müll. Arg.) Vezda. **Descr.**: Vezda 1986: 208\*; **key**: Vezda 1986: 206. **Remark**: The genus name should be used as “Calopadia” as it is used in all other cases in the same paper except at the place of the description. (see also Index of Fungi 5(13): 522 (1987)).
- Calopadia epiphylla* (Fée) Vezda in Vezda & Vivant 1992: 278 = veris. error for *C. foliicola*.
- Calopadia foliicola** (Fée) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym**: *Lecanora foliicola* Fée in Bull. Soc. Bot. France 20: 315 (1873). **Synonym**: *Lopadium foliicola* (Fée) R. Sant. **Descr.**: Santesson 1952: 528, as *Lopadium*; **key**: Santesson 1952: 526, as *Lopadium*; **illustr.**: Lücking 1992a: 153, 158 (spores), 164; **distr.**: all tropics.
- Calopadia fusca** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym**: *Lopadium fuscum* Müll. Arg. in Flora, Regensburg, 64: 108 (1881). **Descr.**: Santesson 1952: 533, as *Lopadium*; **key**: Santesson 1952: 526, as *Lopadium*; Sérusiaux 1979b: 88, as *Lopadium*; **illustr.**: Santesson 1952: 533, as *Lopadium*; Lücking 1992a: 158 (spores); **distr.**: all tropics.
- Calopadia nymanii** (R. Sant.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym**: *Lopadium nymanii* R. Sant. in Symb. bot. upsal. 12(1): 526 (1952). **Descr.**: Santesson 1952: 526-527\*, as *Lopadium*; **key**: Santesson 1952: 526, as *Lopadium*; **illustr.**: -; **distr.**: Malesia.
- [**Calopadia perpallida** (Nyl.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym**: *Lecidea perpallida* Nyl. in Ann. Sci. Nat. Bot., ser. 4, 19: 354 (1863). **Synonym**: *Lopadium perpallidum* (Nyl.) Zahlbr. **Descr.**: Santesson 1952: 531, as *Lopadium*; **key**: Santesson 1952: 526, as *Lopadium*; **illustr.**: -; **distr.**: Antilles].
- Calopadia phyllogena** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym**: *Heterothecium phyllogenum* Müll. Arg. in Flora, Regensburg, 64: 106 (1881). **Synonym**: *Lopadium phyllogenum* (Müll. Arg.) Zahlbr. **Descr.**: Santesson 1952: 530, as *Lopadium*; **key**: Santesson 1952: 526, as *Lopadium*; **illustr.**: Lücking 1992a: 153; **distr.**: all tropics.
- Calopadia puiggarii** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym**: *Heterothecium puiggarii* Müll. Arg. in Flora, Regensburg, 64: 105 (1881). **Synonym**: *Lopadium puiggarii* (Müll. Arg.) Zahlbr. **Descr.**: Santesson 1952: 535-536, as *Lopadium*; **key**: Santesson 1952: 526, as *Lopadium*; Sérusiaux 1979b: 88, as *Lopadium*;

- illustr.:** Lücking 1992a: 153, 163; **distr.:** all tropics.
- Calopadia subcoerulescens** (Zahlbr.) Vezda, Lichenes selecti exsiccati, Brno, Fasc. LXXXVIII: 3, no. 2185 (1988). **Basionym:** *Lopadium subcoerulescens* Zahlbr. in Trans. New Zeal. Inst., Wellington, 59: 312 (1928). **Descr.:** Santesson 1952: 538, as *Lopadium*; **key:** Santesson 1952: 526, as *Lopadium*; **illustr.:** -; **distr.:** Paleotropics incl. China, Australia, New Zealand, India. **Remark:** Considered by Sérusiaux (1979b: 92) as a synonym of *C. puiggarii*.
- CAPRETTIA** Bat. & H. Maia, Atas Inst. Micol. 2: 377 (1965b). **Type species:** *Caprettia amazonensis* Bat. & H. Maia. **Descr.:** Batista & Maia 1965b: 377\*; **key:** -.
- Caprettia amazonensis** Bat. & H. Maia, Atas Inst. Micol. 2: 378 (1965b). **Descr.:** Batista & Maia 1965b: 378\*; **key:** -; **illustr.:** Batista & Maia 1965b: 381; **distr.:** Brazil.
- CATILLARIA** A. Massal. em. Th. Fr., Recherche sull'aut. Lich. Crostosi, Verona, p. 78 (1852). **Descr.:** Santesson 1952: 428; **key:** Santesson 1952: 54.
- Catillaria bouteillei* (Desm.) Zahlbr. = *Fellhanera bouteillei*.
- Catillaria congesta* Vezda, Folia Geobot. Phytotax., Praha, 10: 411 (1975b) = *Fellhanera congesta*.
- Catillaria encephalarti* Vezda, Folia Geobot. Phytotax., Praha, 15: 78 (1980) = *Fellhanera encephalarti*.
- Catillaria mirabilis* Vezda, Folia Geobot. Phytotax., Praha, 15: 80 (1980) = *Bacidina mirabilis*.
- Catillaria parvula* Vezda, Acta Mus. Silesiae, Opava, ser. A, 23: 176 (1974) = *Fellhanera parvula*.
- Catillaria semecarpi* Vain. = *Fellhanera semecarpi*.
- Catillaria vandenberghenii* Sérus., Lichenologist 15: 284 (1983) = *Fellhanera vandenberghenii*.
- CERATOPYCNIDIUM** Maubl., Bull. trim. Soc. mycol. Fr. 23(3): 148 (1907). **Type species:** *Ceratopycnidium citricolum* Maubl. **Descr.:** Maublanc 1907: 148\*; **key:** -.
- Ceratopycnidium citricolum** Maubl., Bull. trim. Soc. mycol. Fr. 23(3): 148 (1907). **Descr.:** Maublanc 1907: 148\*; **key:** -; **illustr.:** Maublanc 1907: 147; **distr.:** -.
- CHAETOMONODORUS** Bat. & H. Maia, Publicões Inst. Micol. Recife, 322: 10 (1961). **Type species:** *Chaetomonodorus brosimi* Bat. & H. Maia. **Descr.:** Batista & Maia 1961: 10\*; **key:** -.
- Chaetomonodorus brosimi** Bat. & H. Maia, Publicões Inst. Micol. Recife, 322: 11 (1961). **Descr.:** Batista & Maia 1961: 11\*; **key:** -; **illustr.:** Batista & Maia 1961: 13; **distr.:** Brazil.
- CHROODISCUS** (Müll. Arg.) Müll. Arg., Lich. Epiph. Novi, Genève, p. 18 (1890). **Descr.:** Santesson 1952: 307; **key:** Santesson 1952: 54. **Remark:** *Chroodiscus* is accepted as a separate genus from *Thelotrema* Ach. (Lumbsch & Vezda 1990: 249, Eriksson & Hawksworth 1991a: 6).
- Chroodiscus anomalus** Vezda, Acta Mus. Silesiae, Opava, ser. A, 24: 117 (1975a). **Descr.:** Vezda 1975a: 117\*; **key:** -; **illustr.:** Vezda 1975a: 119; **distr.:** Africa.
- Chroodiscus australiensis** Vezda & Lumbsch in Lumbsch & Vezda, Nova Hedwigia 50(1-2): 246 (1990). **Descr.:** Lumbsch & Vezda 1990: 246\*; **key:** -; **illustr.:** Lumbsch & Vezda 1990: 247, 248; Lücking 1992a: 88; **distr.:** Australia (Queensland).
- Chroodiscus coccineus** (Leight.) Müll. Arg. **Basionym:** *Platygrapha coccinea* Leight. in Trans. Linn. Soc. 25: 456 (1866). **Synonym:** *Thelotrema coccineum* (Leight.) Hale. **Descr.:** Santesson 1952: 309; **key:** Santesson 1952: 309; **illustr.:** Santesson 1952: 310; Lücking 1992a: 88, 90 (spores); **distr.:** Neotropics, more scattered in Africa, Sri Lanka, India.
- Chroodiscus mirificus** (Kremp.) R. Sant. **Descr.:** Santesson 1952: 311; **key:** Santesson 1952: 309; **illustr.:** Santesson 1952: 312, 313; **distr.:** Paleotropics, Africa, ?America.
- Chroodiscus neotropicus** Kalb & Vezda, Nova Hedwigia 55(1-2): 199 (1992). **Synonym:** *Chroodiscus santessonii* Lücking



- (invalid). **Descr.:** Kalb & Vezda 1992: 199\*; **key:** -; **illustr.:** Kalb & Vezda 1992: 200; **distr.:** Neotropics.
- Chroodiscus santessonii* Lücking, Nova Hedwigia 52(3-4): 291 (1991) (invalid, ICBN Art. 34) = *Chroodiscus neotropicus* Kalb & Vezda. **Remark:** The name has been made invalid by the author intentionally in a remark at the end of his article (Lücking 1992: 303).
- CLATHROPORINA** Müll. Arg., Flora, Regensburg, 65: 517 (1882). **Descr.:** -; **key:** Aptroot 1991a: 267.
- Clathroporina foliicola** Vezda, Acta Mus. Silesiae, Opava, ser. A, 26: 25 (1977). **Descr.:** Vezda 1977: 25\*; **key:** -; **illustr.:** Vezda 1977: 24; **distr.:** Vietnam.
- COCCOCARPIA** Pers. in Gaudichaud-Beaupré, Voyage autour du monde ... sur les corvettes de S. M. l'Uranie et la Physicienne, Bot., Paris, p. 206 (1827). **Descr.:** Santesson 1952: 414; Arvidsson 1982: 39; **key:** Santesson 1952: 54.
- Coccocarpia aeruginosa** Müll. Arg. **Descr.:** Santesson 1952: 420; Arvidsson 1982: 44; **key:** Santesson 1952: 415; Arvidsson 1982: 41; **illustr.:** Arvidsson 1982: 45; **distr.:** Malesia.
- Coccocarpia asterella* (Nyl.) Vain. = *Coccocarpia stellata* (see Arvidsson 1982: 86).
- [**Coccocarpia domingensis** Vain. **Descr.:** Santesson 1952: 418; Arvidsson 1982: 48; **key:** Santesson 1952: 415; Arvidsson 1982: 41; **illustr.:** Santesson 1952: 416; Arvidsson 1982: 49; Lücking 1992a: 126; **distr.:** Neotropics, occasionally in the Paleotropics].
- Coccocarpia epiphylla** (Fée) Müll. Arg. **Descr.:** Santesson 1952: 419; Arvidsson 1982: 53; **key:** Santesson 1952: 415; Arvidsson 1982: 41; **illustr.:** Santesson 1952: 419; Arvidsson 1982: 53; **distr.:** Neotropics.
- [**Coccocarpia pellita** (Ach.) Müll. Arg. em. R. Sant. **Descr.:** Santesson 1952: 421; Arvidsson 1982: 76; **key:** Santesson 1952: 415; Arvidsson 1982: 41; **illustr.:** -; Arvidsson 1982: 77; **distr.:** all tropics].
- [**Coccocarpia stellata** Tuck. **Synonym:** *Coccocarpia asterella* (Nyl.) Vain. **Descr.:** Santesson 1952: 417 as *Coccocarpia asterella*; Arvidsson 1982: 87; **key:** Santesson 1952: 415 as *Coccocarpia asterella*; Arvidsson 1982: 41; **illustr.:** -; Arvidsson 1982: 87; **distr.:** Neotropics].
- Coccocarpia tenuissima** Müll. Arg. **Descr.:** Santesson 1952: 416; Arvidsson 1982: 89; **key:** Santesson 1952: 415; Arvidsson 1982: 41; **illustr.:** Santesson 1952: 416; Arvidsson 1982: 62; **distr.:** northern South America.
- COENOGONIUM** Ehrenb. in Nees von Esenbeck, Horae Phys. Berol., Bonn, p. 120 (1820). **Descr.:** Santesson 1952: 403; **key:** Santesson 1952: 54.
- Coenogonium curvulum** Zahlbr. **Descr.:** Santesson 1952: 408; **key:** -; **illustr.:** -; **distr.:** Java.
- Coenogonium epiphyllum** Vain. **Descr.:** Santesson 1952: 409; **key:** -; **illustr.:** -; **distr.:** Malesia.
- [**Coenogonium interplexum** Nyl. **Descr.:** - **key:** -; **illustr.:** -; **distr.:** Guadeloupe (on corticolous habitats widespread)]
- [**Coenogonium moniliforme** Tuck. **Descr.:** Santesson 1952: 409; **key:** -; **illustr.:** -; **distr.:** Neotropics, Africa].
- CROCICREOMYCES** Bat. & Peres, Anais Congr. Soc. bot. Brasil, XIV: 92 ((1963)1964). **Type species:** *Crocicreomyces guttiferæ* Bat. & Peres. **Descr.:** Batista & Peres (1963)1964: 92\*; **key:** -.
- Crocicreomyces guttiferæ** Bat. & Peres, Anais Congr. Soc. bot. Brasil, XIV: 93 ((1963)1964). **Descr.:** Batista & Peres (1963)1964: 93\*; **key:** -; **illustr.:** Batista & Peres (1963)1964: 101; **distr.:** Brazil.
- CRYPTOTHECIA** Stirt., Proc. Roy. Philos. Soc. Glasgow, 10: 164 (1876). **Descr.:** Santesson 1952: 63; **key:** Santesson 1952: 54.
- Cryptothecia candida** (Kremp.) R. Sant. **Descr.:** Santesson 1952: 66; Makhija & Patwardhan 1986: 5; **key:** -; **illustr.:** Santesson 1952: 66; **distr.:** all tropics.
- CYRTA** Bat. & H. Maia, Publções Inst. Micol. Recife, 322: 14 (1961). **Type species:** *Cyrta licaniae* Bat. & H. Maia. **Descr.:** Batista & Maia 1961: 14\*; **key:** -.
- Cyrta licaniae** Bat. & H. Maia, Publções Inst. Micol. Recife, 322: 15 (1961). **Descr.:**

- Batista & Maia 1961: 15; **key**: -; **illustr.**:  
Batista & Maia 1961: 17; **distr.**: Brazil.
- DIDYMASTER** Bat. & H. Maia, Atas Inst. Micol. 5: 58 (1967). **Type species**: *Didymaster myrtaciicola* Bat., H. Maia & M. L. Castro in Batista & Maia. **Descr.**: Batista & Maia 1967: 58\*; **key**: -.
- Didymaster myrtaciicola** Bat., H. Maia & M. L. Castro in Batista & Maia, Atas Inst. Micol. 5: 59 (1967). **Descr.**: Batista & Maia 1967: 59\*; **key**: -; **illustr.**: Batista & Maia 1967: 68; **distr.**: Brazil.
- DIDYMOPYCNOMYCES** Cavalc. & A. A. Silva in Cavalcante et al., Publicações Inst. Micol. Recife, 647: 17 (1972b) = DIMERELLA. **Type species**: *Didymopycnomyces hyalinus* Cavalc. & A. A. Silva in Cavalcante et al. = *Dimerella epiphylla*.
- Didymopycnomyces hyalinus* Cavalc. & A. A. Silva in Cavalcante et al., Publicações Inst. Micol. Recife, 647: 18 (1972b) = *Dimerella epiphylla* (see Sérusiaux 1992: 42).
- DIMERELLA** Trevis., Rend. reale Ist. Lomb. Sci., Pisa, 13(3): 66 (1880). **Synonym**: *DIDYMOPYCNOMYCES* Cavalc. & A. A. Silva. **Descr.**: Santesson 1952: 391; **key**: Santesson 1952: 54.
- Dimerella dilucida** (Kremp.) R. Sant. **Descr.**: Santesson 1952: 394; **key**: Santesson 1952: 393; Vezda & Farkas 1988: 188; **illustr.**: Lücking 1992a: 122; **distr.**: all tropics.
- Dimerella epiphylla** (Müll. Arg.) Malme. **Synonym**: *Didymopycnomyces hyalinus* Cavalc. & A. A. Silva. **Descr.**: Santesson 1952: 396; **key**: Santesson 1952: 393; Vezda & Farkas 1988: 188; **illustr.**: Santesson 1952: 396; Cavalcante et al. 1972b: 21, as *Didymopycnomyces hyalinus* (pycnidium, conidia); Vezda & Farkas 1988: 190; Lücking 1992a: 122, 125 (spores); **distr.**: all tropics.
- Dimerella fallaciosa** (Müll. Arg.) Vezda, Lichenes selecti exsiccati, Brno, Fasc. LXIX: 6, no. 1721 (1980). **Basionym**: *Patellaria fallaciosa* Müll. Arg. in Lich. Epiph. Novi, Genève, p. 6 (1890). **Descr.**: -; **key**: Vezda & Farkas 1988: 188; **illustr.**: Vezda & Farkas 1988: 192; **distr.**: all tropics.
- Dimerella flavicans** Vezda & Farkas, Folia Geobot. Phytotax., Praha, 23: 189 (1988). **Descr.**: Vezda & Farkas 1988: 189\*; **key**: Vezda & Farkas 1988: 188; **illustr.**: Vezda & Farkas 1988: 192; **distr.**: Africa.
- Dimerella hypophylla** Vezda, Folia Geobot. Phytotax., Praha, 10: 406 (1975b). **Descr.**: Vezda 1975b: 406\*; **key**: Vezda & Farkas 1988: 188; **illustr.**: Vezda 1975b: 407; Lücking 1992a: 122, 125 (spores); **distr.**: all tropics.
- Dimerella lisowskii** Vezda, Folia Geobot. Phytotax., Praha, 4: 445 ((1969)1970). **Descr.**: Vezda 1974: 173\*, Vezda & Hafellner 1991: 74-76; **key**: Vezda & Farkas 1988: 188; **illustr.**: -; **distr.**: Africa, Vietnam, Australia.
- [**Dimerella lutea** (Dicks.) Trevis. **Descr.**: Santesson 1952: 402; **key**: Santesson 1952: 393; Vezda & Farkas 1988: 188; **illustr.**: -; **distr.**: all tropics].
- Dimerella minima** (Müll. Arg.) R. Sant. **Descr.**: Santesson 1952: 393; **key**: Santesson 1952: 393; **illustr.**: Lücking 1992a: 122, 125 (spores); **distr.**: Costa Rica.
- Dimerella pocsii** Vezda & Farkas, Folia Geobot. Phytotax., Praha, 23: 193 (1988). **Descr.**: Vezda & Farkas 1988: 193\*; **key**: Vezda & Farkas 1988: 188; **illustr.**: Vezda & Farkas 1988: 191; **distr.**: Africa.
- Dimerella queenslandica** Kalb & Vezda in Vezda & Kalb, Nova Hedwigia 53(1-2): 218 (1991). **Descr.**: Vezda & Kalb 1991: 218\*; **key**: -; **illustr.**: Vezda & Kalb 1991: 222; **distr.**: Australia.
- Dimerella subfallaciosa** Vezda & Farkas in Vezda, Lichenes selecti exsiccati, Brno, Fasc. XCVIII: 2, no. 2429 (1990). **Descr.**: Vezda 1966-1991(1990): (XCVIII)2\*; **key**: -; **illustr.**: -; **distr.**: Africa.
- Dimerella tanzanica** Vezda & Farkas, Folia Geobot. Phytotax., Praha, 23: 195 (1988). **Descr.**: Vezda & Farkas 1988: 195\*; **key**: Vezda & Farkas 1988: 188; **illustr.**: Vezda & Farkas 1988: 191; **distr.**: Africa.
- Dimerella usambarensis** Vezda & Farkas, Folia Geobot. Phytotax., Praha, 23: 196 (1988). **Descr.**: Vezda & Farkas 1988: 196\*; **key**: Vezda & Farkas 1988: 188; **illustr.**: Vezda & Farkas 1988: 192; **distr.**: Africa.
- Dimerella zonata** (Müll. Arg.) R. Sant. **Descr.**:

- Santesson 1952: 400; **key**: Santesson 1952: 393; Vezda & Farkas 1988: 188; **illustr.**: Santesson 1952: 400; **distr.**: all tropics.
- DISCOSIELLA* Syd. & P. Syd., Leaflet. Philipp. Bot. 5: 1546 (1912) = *STRIGULA* (see Eriksson & Hawksworth 1992: 56).
- Discosiella indica* (Anahosur) Nag Raj, Can. J. Bot. 59: 2527 (1981) = (anamorph of) *Strigula nitidula*.
- DOTHIOMYCES** Bat. & J. L. Bezerra, Publicações Inst. Micol. Recife, 321: 5 (1961). **Typespecies**: *Dothiomyces couepiae* Bat. & J. L. Bezerra. **Descr.**: Batista & Bezerra 1961: 5\*; **key**: -.
- Dothiomyces couepiae** Bat. & J. L. Bezerra, Publicações Inst. Micol. Recife, 321: 6 (1961). **Descr.**: Batista & Bezerra 1961: 5\*; **key**: -; **illustr.**: Batista & Bezerra 1961: 8; **distr.**: Brazil.
- ECHINOPLACA** Fée, Essai Crypt. Écorc. Exot. Off., Paris, 1: L, XCIII (1824). **Descr.**: Santesson 1952: 362; Vezda & Poelt 1987: 187; **key**: Santesson 1952: 54; Vezda & Poelt 1987: 183; Vezda 1979a: 51.
- Echinoplaca affinis** Kalb & Vezda, Bibl. Lichenol. 29: 20 (1988b). **Descr.**: Kalb & Vezda 1988b: 20\*; **key**: Kalb & Vezda 1988b: 18; **illustr.**: Kalb & Vezda 1988b: Abb. 5; **distr.**: Brazil (Amazonas, São Paulo).
- Echinoplaca amapensis** Bat. & Poroca, Publicações Inst. Micol. Recife, 635: 4 (1970). **Descr.**: Batista & Poroca 1970: 4\*; **key**: -; **illustr.**: Batista & Poroca 1970: 7; **distr.**: Brazil.
- [**Echinoplaca argentea** (Mont.) R. Sant. **Descr.**: Santesson 1952: 374; **key**: Santesson 1952: 364; **illustr.**: -; **distr.**: Neotropics?]
- Echinoplaca atrofusca** R. Sant. **Descr.**: Santesson 1952: 371\*; **key**: Santesson 1952: 364; Kalb & Vezda 1988b: 18; **illustr.**: Santesson 1952: 371; Lücking 1992a: 111, 112 (spores); **distr.**: Ecuador, Brazil.
- Echinoplaca bispora** Kalb & Vezda, Bibl. Lichenol. 29: 22 (1988b). **Descr.**: Kalb & Vezda 1988b: 22\*; **key**: Kalb & Vezda 1988b: 18; **illustr.**: Kalb & Vezda 1988b: Abb. 6; **distr.**: Brazil (São Paulo, ?Mato Grosso).
- Echinoplaca diffluens** (Müll. Arg.) R. Sant. **Descr.**: Santesson 1952: 369; Vezda 1973: 82; **key**: Santesson 1952: 364; Kalb & Vezda 1988b: 18; **illustr.**: Lücking 1992a: 112 (spores); **distr.**: all tropics.
- Echinoplaca epiphylla** Fée. **Descr.**: Santesson 1952: 375; **key**: Santesson 1952: 364; Kalb & Vezda 1988b: 18; **illustr.**: Lücking 1992a: 111, 112 (spores); **distr.**: all tropics, Caucasus.
- Echinoplaca furcata** Sérus., Mycotaxon 35(2): 238 (1989a). **Descr.**: Sérusiaux 1989a: 238\*; **key**: -; **illustr.**: Sérusiaux 1989a: 239; **distr.**: Africa.
- Echinoplaca heterella** (Stirt.) R. Sant. **Descr.**: Santesson 1952: 372; **key**: Santesson 1952: 364; Kalb & Vezda 1988b: 18; **illustr.**: Lücking 1992a: 112 (spores); **distr.**: Neotropics, China, Africa.
- Echinoplaca intercedens** Vezda, Acta Mus. Silesiae, Opava, ser. A, 22: 83 (1973). **Descr.**: Vezda 1973: 83\*; Sérusiaux 1979b: 88; **key**: Kalb & Vezda 1988b: 18; **illustr.**: Vezda 1973: 81; **distr.**: Africa, Neotropics.
- Echinoplaca leucotrichoides** (Vain.) R. Sant. in Thorold. **Descr.**: Santesson 1952: 370; **key**: Santesson 1952: 364; Kalb & Vezda 1988b: 18; **illustr.**: Lücking 1992a: 112 (spores); **distr.**: all tropics.
- Echinoplaca lucernifera** Kalb & Vezda, Bibl. Lichenol. 29: 24 (1988b). **Descr.**: Kalb & Vezda 1988b: 24\*; **key**: Kalb & Vezda 1988b: 18; **illustr.**: Kalb & Vezda 1988b: Abb. 8, 9; **distr.**: Brazil, Costa Rica.
- Echinoplaca pachyparaphysata** R. Sant. **Descr.**: Santesson 1952: 373\*; **key**: Santesson 1952: 364; Kalb & Vezda 1988b: 18; **illustr.**: -; **distr.**: Neotropics, Africa.
- Echinoplaca pellicula** (Müll. Arg.) R. Sant. **Descr.**: Santesson 1952: 367; **key**: Santesson 1952: 364; Kalb & Vezda 1988b: 18; **illustr.**: Lücking 1992a: 111, 112 (spores); **distr.**: all tropics.
- [**Echinoplaca similis** Kalb & Vezda, Bibl. Lichenol. 29: 27. **Descr.**: Kalb & Vezda 1988b: 27\*; **key**: Kalb & Vezda 1988b: 18; **illustr.**: Kalb & Vezda 1988b: Abb. 11; Lücking 1992a: 111, 112 (spores);

- distr.:** Neotropics.]  
*Echinoplaca strigulacea* (Müll. Arg.) R. Sant. =  
*Actinoplaca strigulacea*.
- Echinoplaca tricharioides** Kalb & Vezda, *Bibl. Lichenol.* 29: 28 (1988b). **Descr.:** Kalb & Vezda 1988b: 28\*; **key:** Kalb & Vezda 1988b: 18; **illustr.:** Kalb & Vezda 1988b: Abb. 13; **distr.:** Brazil (São Paulo).
- ENTEROGRAPHA** Fée, *Essai Crypt. Écorc. Exot. Off., Paris*, 1: XXXII, CX (1824).  
**Descr.:** Santesson 1952: 104; **key:** Santesson 1952: 54.
- Enterographa angustissima** (Vain.) R. Sant.  
**Descr.:** Santesson 1952: 105; **key:** Santesson 1952: 105; **illustr.:** Lücking 1992a: 31 (spores), 33; **distr.:** all tropics.
- Enterographa bartlettii** Sérusiaux, *Mycotaxon* 20: 292 (1984a). **Descr.:** Sérusiaux 1984a: 292\*; **key:** Sérusiaux 1984a: 296; **illustr.:** Sérusiaux 1984a: 293, 294; **distr.:** New Zealand.
- Enterographa bella** R. Sant. **Descr.:** Santesson 1952: 106\*; **key:** Santesson 1952: 105; Sérusiaux 1984a: 296; **illustr.:** Santesson 1952: 107; **distr.:** New Zealand.
- Enterographa byssoidea** Lücking, *Nova Hedwigia* 52(3-4): 272 (1991). **Descr.:** Lücking 1991: 272\*; **key:** Lücking 1992a: 32; **illustr.:** Lücking 1991: 272, 274; Lücking 1992a: 31 (spores), 33; **distr.:** Costa Rica.
- Enterographa effusa** Vezda, *Folia Geobot. Phytotax., Praha*, 10: 389 (1975b). **Descr.:** Vezda 1975b: 389\*; **key:** Sérusiaux 1984a: 296; **illustr.:** Vezda 1975b: 390; **distr.:** Africa.
- [**Enterographa multiseptata** R. Sant. **Descr.:** Santesson 1952: 108\*; Sérusiaux 1984a: 298; **key:** Santesson 1952: 105; **illustr.:** Sérusiaux 1984a: 297; **distr.:** Ceylon].
- EREMOTHECELLA** Syd. in Sydow & Sydow, *Ann. Myc., Berlin*, 15: 236 (1917) (reinstatement in Sérusiaux 1992: 42).  
**Synonym:** *AMAZONOMYCES* Bat. **Type species:** *Eremothecella calamicola* Syd. in Sydow & Sydow = *Arthonia calamicola* (Syd.) R. Sant. **Descr.:** Sérusiaux 1992: 40; **key:** -.
- Eremothecella calamicola** Syd. in Sydow & Sydow, *Ann. Myc., Berlin*, 15: 236 (1917) (reinstatement in Sérusiaux 1992: 42).  
**Synonym:** *Arthonia calamicola* (Syd.) R. Sant., *Arthoniopsis calamicola* (Syd.) Szatala. **Descr.:** Santesson 1952: 89, as *Arthonia*; **key:** Santesson 1952: 75, as *Arthonia*; Sérusiaux 1976: 3, as *Arthonia*; **illustr.:** Farkas 1987a: 49, as *Arthonia*; Lücking 1992a: 26 (spores), as *Arthonia*; **distr.:** Malesia, Africa, Costa Rica, Colombia.
- Eremothecella macrosperma** (Zahlbr.) Sérus., *Systema Ascomycetum* 11(1): 43 (1992).  
**Basionym:** *Arthoniopsis macrosperma* Zahlbr. in *Ann. Crypt. Exot.* 1: 120 (1928).  
**Synonym:** *Arthonia macrosperma* (Zahlbr.) R. Sant. **Descr.:** Santesson 1952: 90, as *Arthonia*; Sérusiaux 1976: 3, as *Arthonia*; **key:** Santesson 1952: 75, as *Arthonia*; Sérusiaux 1976: 3, as *Arthonia*; **illustr.:** -; **distr.:** Malesia.
- Eremothecella palmulacea** (Müll. Arg.) Sérus., *Systema Ascomycetum* 11(1): 43 (1992). **Basionym:** *Arthoniopsis palmulacea* Müll. Arg. in *Journ. Linn. Soc. Bot., London*, 29: 238 (1892). **Synonym:** *Arthonia palmulacea* (Müll. Arg.) R. Sant., ?*Amazonomyces palmae* Bat. & Cavalc. **Descr.:** Santesson 1952: 88, as *Arthonia*; **key:** Santesson 1952: 75, as *Arthonia*; Sérusiaux 1976: 3, as *Arthonia*; **illustr.:** Lücking 1992a: 23, 26, as *Arthonia*; **distr.:** all tropics.
- Eremothecella variratae** (Sipman & Aptroot) Sérus., *Systema Ascomycetum* 11(1): 43 (1992). **Basionym:** *Arthonia variratae* Sipman & Aptroot. **Descr.:** Aptroot & Sipman 1991: 237\*, as *Arthonia*; **key:** -; **illustr.:** Aptroot & Sipman 1991: 237, as *Arthonia*; **distr.:** New Guinea.
- FELLHANERA** Vezda, *Folia Geobot. Phytotax., Praha*, 21: 200 (1986). **Type species:** *Bacidia fuscata* (Müll. Arg.) Zahlbr. = *Fellhanera fuscata* (Müll. Arg.) Vezda. **Descr.:** Vezda 1986: 200\*; **key:** -.
- Fellhanera aurantiaca** (Vezda) Vezda, *Folia Geobot. Phytotax., Praha*, 21: 214 (1986).  
**Basionym:** *Bacidia aurantiaca* Vezda. **Descr.:** Vezda 1974: 178\*, as *Bacidia*; Sérusiaux 1984a: 285, as *Bacidia*; **key:** Vezda 1975b: 413, as *Bacidia*; **illustr.:**



- Ve zda 1974: 178, as *Bacidia*; **distr.:** Africa, Neotropics.
- [**Fellhanera bouteillei** (Desm.) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Parmelia bouteillei* Desm. in Ann. Sci. Nat. Bot., ser. 3, 8: 191 (1847). **Synonym:** *Catillaria bouteillei* (Desm.) Zahlbr. **Descr.:** Santesson 1952: 430, as *Catillaria*; **key:** Santesson 1952: 430, as *Catillaria*; Vezda 1980: 78, as *Catillaria*; **illustr.:** Santesson 1952: 430, 431, as *Catillaria*; Lücking 1992a: 134, 141 (spores); **distr.:** all tropics, Europe].
- Fellhanera bullata** Kalb & Vezda in Vezda & Kalb, Nova Hedwigia 53(1-2): 219 (1991). **Descr.:** Vezda & Kalb 1991: 219\*; **key:** -; **illustr.:** Vezda & Kalb 1991: 222; **distr.:** Australia.
- Fellhanera buxi** (Vezda & Vivant) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Bacidia buxi* Vezda & Vivant. **Descr.:** Vezda & Vivant 1972: 256\*, as *Bacidia*; Vezda 1983: 63, as *Bacidia*; **key:** -; **illustr.:** Vezda & Vivant 1972: 257, as *Bacidia*; **distr.:** Europe, Caucasus.
- Fellhanera carnea** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Bacidia carnea* Vezda. **Descr.:** Vezda 1975a: 121\*, as *Bacidia*; Sérusiaux 1984a: 286, as *Bacidia*; **key:** Vezda 1975b: 413, as *Bacidia*; **illustr.:** Vezda 1975a: 122, as *Bacidia*; **distr.:** Neotropics, Africa.
- Fellhanera cateilea** (Vain.) Farkas, Systematics Association Special Vol. 43: 97 (1991). **Basionym:** *Pilocarpon cateileum* Vain. in Univ. Calif. Pubs Bot. 12: 11 (1924). **Synonym:** *Bacidia cateilea* (Vain.) R. Sant. **Descr.:** Santesson 1952: 472, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; **illustr.:** -; **distr.:** Malesia, Pacific.
- Fellhanera congesta** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Catillaria congesta* Vezda. **Descr.:** Vezda 1975b: 411\*, as *Catillaria*; **key:** Vezda 1980: 78, as *Catillaria*; **illustr.:** Vezda 1975b: 412, as *Catillaria*; **distr.:** Africa.
- Fellhanera dominicana** (Vain.) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Lecidea dominicana* Vain. in Journ. Bot., London, 34: 101 (1896). **Synonym:** *Bacidia dominicana* (Vain.) Zahlbr. **Descr.:** Santesson 1952: 455, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; Vezda 1975b: 413, as *Bacidia*; **illustr.:** Lücking 1992a: 134, 141 (spores); **distr.:** Neotropics, New South Wales.
- Fellhanera eliottii** (Vain.) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Lecidea eliottii* Vain. in Journ. Bot., London, 34: 104 (1896). **Synonym:** *Lopadium eliottii* (Vain.) Zahlbr. **Descr.:** Santesson 1952: 544, as *Lopadium*; **key:** Santesson 1952: 526, as *Lopadium*; **illustr.:** -; **distr.:** Neotropics.
- Fellhanera encephalarti** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Catillaria encephalarti* Vezda. **Descr.:** Vezda 1980: 78\*, as *Catillaria*; **key:** Vezda 1980: 78, as *Catillaria*; **illustr.:** Vezda 1980: 79, as *Catillaria*; **distr.:** Africa.
- Fellhanera endopurpurea** Hafellner & Vezda in Vezda & Hafellner, Nova Hedwigia 52(1-2): 76 (1991). **Descr.:** Vezda & Hafellner 1991: 76\*; **key:** -; **illustr.:** Vezda & Hafellner 1991: 77; **distr.:** Australia (NSW).
- Fellhanera fuscata** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Patellaria fuscata* Müll. Arg. in Flora, Regensburg, 64: 231 (1881). **Synonym:** *Bacidia fuscata* (Müll. Arg.) Zahlbr., *Bilimbia fuscata* (Müll. Arg.) Szatala. **Descr.:** Santesson 1952: 456, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; Vezda 1975b: 413, as *Bacidia*; **illustr.:** Lücking 1992a: 141 (spores); **distr.:** all tropics, Australia (NSW).
- Fellhanera lisowskii** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Bacidia lisowskii* Vezda. **Descr.:** Vezda 1980: 87\*, as *Bacidia*; **key:** Vezda 1980: 83, as *Bacidia*; **illustr.:** Vezda 1980: 87, as *Bacidia*; Lücking 1992a: 141 (spores); **distr.:** Africa, Costa Rica, Guadeloupe.

- Fellhanera microdiscus** (Vain.) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Bilimbia microdiscus* Vain. in Ann. Acad. Sci. Fenn., ser. A, 15: 79 (1921). **Synonym:** *Bacidia microdiscus* (Vain.) Zahlbr. **Descr.:** Santesson 1952: 457, note, as *Bacidia*; Vezda 1977: 31, as *Bacidia*; **key:** -; **illustr.:** -; **distr.:** Philippines, Vietnam.
- Fellhanera paradoxa** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym:** *Bacidia paradoxa* Vezda. **Descr.:** Vezda 1974: 183\*, as *Bacidia*; **key:** Vezda 1975b: 413, as *Bacidia*; **illustr.:** Vezda 1974: 183, as *Bacidia*; Lücking 1992a: 141 (spores); **distr.:** Africa.
- Fellhanera parvula** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Catillaria parvula* Vezda. **Descr.:** Vezda 1974: 176\*, as *Catillaria*; **key:** Vezda 1980: 78, as *Catillaria*; **illustr.:** Vezda 1974: 176, as *Catillaria*; **distr.:** Africa, Brazil.
- Fellhanera rhapsidophylli** (Rehm) Vezda, Folia Geobot. Phytotax., Praha, 21: 214 (1986). **Basionym:** *Bilimbia rhapsidophylli* Rehm in Leaflet. Philip. Bot. 6: 2237 (1914). **Synonym:** *Bacidia rhapsidophylli* (Rehm) Zahlbr. **Descr.:** Santesson 1952: 458, as *Bacidia*; Vezda 1975a: 123\*, as *Bacidia myriocarpa*; **key:** Santesson 1952: 440, as *Bacidia*; Vezda 1975b: 413, as *Bacidia myriocarpa* and *B. rhapsidophylli*; **illustr.:** Vezda 1975a: 125, as *Bacidia myriocarpa*; Lücking 1992a: 134, 141 (spores); **distr.:** all tropics.
- Fellhanera santessonii** Barillas & Lücking, Cryptogamie, Bryol. Lich. 13(4): 311 (1992) **Descr.:** Barillas & Lücking 1992: 311\*; **key:** Lücking 1992a: 133; **illustr.:** Lücking 1992a: 134, 141 (spores); Barillas & Lücking 1992: 312, 313; **distr.:** Guatemala, Costa Rica.
- Fellhanera semecarpi** (Vain.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym:** *Catillaria semecarpi* Vain. in Ann. Acad. Sci. Fenn., ser. A, 15: 110 (1921). **Descr.:** Santesson 1952: 435, as *Catillaria*; **key:** Santesson 1952: 430, as *Catillaria*; Vezda 1980: 78, as *Catillaria*; **illustr.:** Lücking 1992a: 141 (spores); **distr.:** all tropics, Australia (NSW).
- Fellhanera solediantha** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym:** *Bacidia solediantha* Vezda. **Descr.:** Vezda 1980: 88\*, as *Bacidia*; **key:** Vezda 1980: 83, as *Bacidia*; **illustr.:** Vezda 1980: 89, as *Bacidia*; **distr.:** Africa.
- Fellhanera sublecanorina** (Nyl.) Vezda, Lichenes selecti exsiccati, Brno, Fasc. LXXXVII: 2, no. 2156 (1987). **Basionym:** *Platygrapha sublecanorina* Nyl. in Bull. Soc. Linn. Normandie, ser. 2, 2: 518 (1868). **Synonym:** *Bacidia sublecanorina* (Nyl.) Zahlbr., *Bilimbia sublecanorina* (Nyl.) Szatala. **Descr.:** Santesson 1952: 475, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; **illustr.:** -; **distr.:** all tropics.
- Fellhanera subternella** (Nyl.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym:** *Lecidea subternella* Nyl. in Flechten, In: Die Forschungsreise S. M. S. "Gazelle", IV. Theil. Botanik, p. 22 (1889). **Synonym:** *Bacidia subternella* (Nyl.) R. Sant. **Descr.:** Santesson 1952: 470, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; Vezda 1975b: 413, as *Bacidia*; **illustr.:** Lücking 1992a: 141 (spores); **distr.:** all tropics, rare.
- [**Fellhanera subtilis** (Vezda) Diederich & Sérus. in Sérusiaux, Mem. Soc. roy. Bot. Belg. 12: 142 (1990). **Basionym:** *Bacidia subtilis* Vezda. **Synonym:** *Arthonia subtilis* (Vezda) Vezda. **Descr.:** Vezda 1961: 367\*, as *Bacidia*; **key:** -; **illustr.:** Vezda 1961: 367; **distr.:** Northern temperate zone].
- Fellhanera vandenberghenii** (Sérus.) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym:** *Catillaria vandenberghenii* Sérus. **Descr.:** Sérusiaux 1983: 284\*, as *Catillaria*; **key:** Vezda 1980: 78, as *Catillaria*; **illustr.:** Sérusiaux 1983: 285, 286, as *Catillaria*; **distr.:** Africa.
- Fellhanera winkleriana** Lücking, Nova Hedwigia 52(3-4): 298 (1991). **Descr.:** Lücking 1991: 298\*; **key:** Lücking 1992a: 133;

- illustr.:** Lücking 1991: 299, 302; Lücking 1992a: 134, 141 (spores); **distr.:** Costa Rica.
- Fellhanera wirthii** (Vezda) Vezda, Folia Geobot. Phytotax., Praha, 21: 215 (1986). **Basionym:** *Bacidia wirthii* Vezda. **Descr.:** Vezda 1980: 91\*, as *Bacidia*; **key:** Vezda 1980: 83, as *Bacidia*; **illustr.:** Vezda 1980: 89, as *Bacidia*; **distr.:** Africa.
- GONOLECANIA* Zahlbr., Catal. Lich. Univ., Leipzig, II: 681 (1924) = BYSSOLECANIA.
- Gonolecania fumosonigrans* (Müll. Arg.) Brusse, Mycotaxon 40: 387 (1991) = *Byssolecania fumosonigrans* (see Eriksson & Hawksworth 1991c: 137).
- GRAPHIS** Adans., Familles des Plantes, Paris, 2: 11 (1763). **Descr.:** -; **key:** -.
- Graphis foliicola** Vain. **Descr.:** Vainio 1901: 440\*; **key:** -; **illustr.:** -; **distr.:** Africa (Angola).
- Graphis foliicola** Vain. var. **major** D. D. Awasthi & Kr. P. Singh, Norw. J. Bot. 19: 242 (1972b). **Descr.:** Awasthi & Singh 1972b: 242\*; **key:** -; **illustr.:** Awasthi & Singh 1972b: 240; **distr.:** India (Palni Hills).
- GYALECTIDIUM** Müll. Arg., Flora, Regensburg, 64: 100 (1881). **Synonym:** *TAUROMYCES* Cavalc. & A. A. Silva. **Descr.:** Santesson 1952: 352; Vezda & Poelt 1987: 191; **key:** Santesson 1952: 54; Vezda 1979a: 51; Vezda & Poelt 1987: 183.
- Gyalectidium aspidotum* (Vain.) R. Sant. = *Bullatina aspidota*.
- Gyalectidium caucasicum** (Elenkin & Woron.) Vezda, Folia Geobot. Phytotax., Praha, 18: 56 (1983). **Basionym:** *Sporopodium caucasicum* Elenkin & Woron. in Jahrb. Pflanzen-Krankh. St. Petersburg, 2: 124 (1908). **Synonym:** *Gyalectidium filicinum* auct. fl. cauc. non Müll. Arg., *Calenia caucasica* (Elenkin & Woron.) Vezda. **Descr.:** Vezda 1979a: 54, as *Calenia*; Vezda 1983: 56; **key:** -; **illustr.:** Lücking 1992a: 106; **distr.:** Paleotropics, N. Asia, Queensland, Costa Rica.
- Gyalectidium colchicum** Vezda, Folia Geobot. Phytotax., Praha, 18: 58 (1983). **Descr.:** Vezda 1983: 58\*; **key:** -; **illustr.:** Vezda 1983: 59; **distr.:** Caucasus.
- Gyalectidium eskucheii** Sérus. in Sérusiaux & De Sloover, Veröff. geobot. Inst. Zürich, 91: 269 (1986). **Descr.:** Sérusiaux & De Sloover 1986: 269\*; **key:** -; **illustr.:** Sérusiaux & De Sloover 1986: 277-278; **distr.:** Brasil, Argentina.
- Gyalectidium filicinum** Müll. Arg. **Synonym:** *Tauromyces catenulatus* Cavalc. & A. A. Silva. **Descr.:** Santesson 1952: 355; **key:** Santesson 1952: 354; **illustr.:** Santesson 1952: 356; Lücking 1992a: 104 (spores), 106; **distr.:** all tropics, Argentina.
- Gyalectidium rotuliforme* Müll. Arg., Lichenes Paraguayenses, 10: 65 (1888). = *Asterothyrium rotuliforme*.
- GYALIDEA** Lettau, Feddes Repert. Spec. Nov., Berlin-Dahlem, Beih. 69: 123 (1937). **Descr.:** Vezda 1966: 312; **key:** Vezda 1975b: 410, Vezda 1979a: 51. **Remark:** The conservation of *Gyalidea* Lettau was proposed over *Aglaothecium* Groenh. (Lumbsch et al. 1991: 331-332).
- Gyalidea epiphylla** Vezda, Folia Geobot. Phytotax., Praha, 1: 331 (1966). **Descr.:** Vezda 1966: 331\*; **key:** Vezda 1979a: 58; **illustr.:** Vezda 1966: 338; Lücking 1992a: 90 (spores), 95; **distr.:** Africa, Vietnam, New Guinea, America.
- Gyalidea phyllophila** Vezda, Acta Mus. Silesiae, Opava, ser. A, 22: 89 (1973). **Descr.:** Vezda 1973: 89\*; **key:** Vezda 1979a: 58; **illustr.:** Vezda 1973: 81; **distr.:** Africa, Caucasus, France.
- GYALIDEOPSIS** Vezda, Folia Geobot. Phytotax., Praha, 7: 204 (1972). **Descr.:** Vezda & Poelt 1987: 192; **key:** Vezda 1979a: 51; Vezda & Poelt 1987: 183. **Remark:** The conservation of *Gyalideopsis* Vezda was proposed over *Diploschistella* Vain. (see Lumbsch & Hawksworth 1987: 764, Eriksson & Hawksworth 1988a: 69).
- Gyalideopsis bispora** Vezda, Folia Geobot. Phytotax., Praha, 14: 63 (1979a). **Descr.:** Vezda 1979a: 63\*; **key:** Vezda 1979a: 61; **illustr.:** Vezda 1979a: 86; **distr.:** Africa.
- Gyalideopsis minima** Vezda, Acta Mus. Silesiae, Opava, ser. A, 24: 119 (1975a). **Descr.:** Vezda 1975a: 119\*; Vezda 1979a: 66; **key:** Vezda 1979a: 61; **illustr.:** Vezda

- 1975a: 119; Vezda 1979a: 89; **distr.:** Africa, Caucasus.
- Gyalideopsis ochroleuca** Vezda, Folia Geobot. Phytotax., Praha, 14: 65 (1979a). **Descr.:** Vezda 1979a: 65\*; **key:** Vezda 1979a: 61; **illustr.:** Vezda 1979a: 87; **distr.:** Africa.
- Gyalideopsis parvula** Hafellner & Vezda in Kalb & Vezda, Bibl. Lichenol. 29: 43 (1988b). **Descr.:** Kalb & Vezda 1988b: 43\*; **key:** Kalb & Vezda 1988b: 33; **illustr.:** Kalb & Vezda 1988b: Abb. 19; Lücking 1992a: 118 (spores); **distr.:** Costa Rica.
- Gyalideopsis perminuta** Vezda, Folia Geobot. Phytotax., Praha, 14: 66 (1979a). **Descr.:** Vezda 1979a: 66\*; **key:** Vezda 1979a: 61; **illustr.:** Vezda 1979a: 89; **distr.:** Africa.
- Gyalideopsis rubescens** Vezda, Folia Geobot. Phytotax., Praha, 14: 67 (1979a). **Descr.:** Vezda 1979a: 67\*; **key:** Vezda 1979a: 61; Kalb & Vezda 1988b: 33; **illustr.:** Vezda 1979a: 89; Lücking 1992a: 118 (spores), 119; **distr.:** all tropics.
- Gyalideopsis verruculosa** Vezda & Hafellner, Nova Hedwigia 52(1-2): 78 (1991). **Descr.:** Vezda & Hafellner 1991: 78\*; **key:** -; **illustr.:** Vezda & Hafellner 1991: 79; **distr.:** Australia (NSW).
- KILIKIOSTROMA** Bat. & J. L. Bezerra, Publções Inst. Micol. Recife, 321: 13 (1961). **Type species:** Kilikiostroma peresii Bat. & J. L. Bezerra. **Descr.:** Batista & Bezerra 1961: 13\*; **key:** -.
- Kilikiostroma peresii** Bat. & J. L. Bezerra, Publções Inst. Micol. Recife, 321: 14 (1961). **Descr.:** Batista & Bezerra 1961: 14\*; **key:** -; **illustr.:** Batista & Bezerra 1961: 17; **distr.:** -.
- LAGENOMYCES** Cavalc. & A. A. Silva in Cavalcante et al., Publções Inst. Micol. Recife, 647: 28 (1972b). **Type species:** Lagenomyces marginalis Cavalc. & A. A. Silva in Cavalcante et al. **Descr.:** Cavalcante et al. 1972b: 28\*; **key:** -.
- Lagenomyces marginalis** Cavalc. & A. A. Silva in Cavalcante et al., Publções Inst. Micol. Recife, 647: 29 (1972b). **Descr.:** Cavalcante et al. 1972b: 29\*; **key:** -; **illustr.:** Cavalcante et al. 1972b: 33; **distr.:** Brazil.
- LASIOLOMA** R. Sant., Symb. bot. upsala., Uppsala, 12(1): 545 (1952). **Descr.:** Santesson 1952: 545\*; **key:** Santesson 1952: 54; Vezda 1986: 206.
- Lasioloma arachnoideum** (Kremp.) R. Sant. **Descr.:** Santesson 1952: 547; Vezda 1974: 188; **key:** Santesson 1952: 547; **illustr.:** Santesson 1952: 548; Lücking 1992a: 161, 164; **distr.:** all tropics.
- Lasioloma phycophilum** (Vain.) R. Sant. **Descr.:** Santesson 1952: 550; **key:** Santesson 1952: 547; **illustr.:** -; **distr.:** Philippines.
- Lasioloma phycophorum** (Vain.) R. Sant. **Descr.:** Santesson 1952: 549; **key:** Santesson 1952: 547; **illustr.:** -; **distr.:** Malesia.
- Lasioloma trichophorum** (Vain.) R. Sant. **Descr.:** Santesson 1952: 550; **key:** Santesson 1952: 547; **illustr.:** -; **distr.:** Malesia.
- LECIDEA** Ach., Meth. Lich., Stockholm, p. 32 (1803). **Descr.:** Santesson 1952: 425; **key:** Santesson 1952: 54.
- Lecidea nagalandica** G. P. Sinha & Kr. P. Singh, Geophytology 17(2): 182 ((1987)1988). **Descr.:** Sinha & Singh (1987)1988: 182\*; **key:** -; **illustr.:** Sinha & Singh (1987)1988: 180; **distr.:** India.
- Lecidea trailiana** Müll. Arg. **Descr.:** Santesson 1952: 427; **key:** -; **illustr.:** Santesson 1952: 427; **distr.:** Amazonia.
- LINHARTIA** Sacc. & P. Syd. in Saccardo, Sylloge Fungorum, Padova, 16: 744 (1902). **Descr.:** -; **key:** Vezda 1979a: 51.
- Linhartia albomaculans** (Rehm) Sacc. & P. Syd. in Saccardo. **Synonym:** *Psorotheciopsis albomaculans* (Rehm) R. Sant. **Descr.:** Santesson 1952: 335, as *Psorotheciopsis*; **key:** Santesson 1952: 333, as *Psorotheciopsis*; Vezda 1979a: 69; **illustr.:** -; **distr.:** Neotropics, Africa.
- Linhartia gyalideoides** Vezda, Acta Mus. Silesiae, Opava, ser. A, 22: 79 (1973). **Descr.:** Vezda 1973: 79\*; **key:** -; Vezda 1979a: 69; **illustr.:** Vezda 1973: 79; **distr.:** Africa.
- Linhartia patellarioides** (Rehm) Vezda, Acta Mus. Silesiae, Opava, ser. A, 22: 77 (1973).



- Basionym:** *Calloria patellarioides* Rehm in Hedwigia, Dresden, 39: 85 (1900). **Synonym:** *Trichobelonium punctiforme* Rehm, *Psorotheciopsis patellarioides* (Rehm) R. Sant. **Descr.:** Santesson 1952: 336, as *Psorotheciopsis*; **key:** Santesson 1952: 333, as *Psorotheciopsis*; Vezda 1979a: 69; **illustr.:** Vezda 1973: 79; Lücking 1992a: 90 (spores), 95; **distr.:** all tropics.
- Linhartia varieseptata** Vezda, Acta Mus. Silesiae, Opava, ser. A, 22: 78 (1973). **Descr.:** Vezda 1973: 78\*; **key:** -; Vezda 1979a: 69; **illustr.:** Vezda 1973: 79; **distr.:** Africa.
- LOFLAMMIA** Vezda, Folia Geobot. Phytotax., Praha, 21: 211 (1986). **Type species:** *Lopadium flammeum* Müll. Arg. = *Loflammia flammea* (Müll. Arg.) Vezda **Descr.:** Vezda 1986: 211\*; **key:** Vezda 1986: 206.
- Loflammia demoulinii** Sérus., Lichenologist 18: 33 (1986a). **Descr.:** Sérusiaux 1986a: 33\*; **key:** -; **illustr.:** -; **distr.:** New Guinea.
- Loflammia flammea** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 21: 216 (1986). **Basionym:** *Lopadium flammeum* Müll. Arg. in Flora, Regensburg, 64: 109 (1881). **Descr.:** Santesson 1952: 541, as *Lopadium*; **key:** Santesson 1952: 526, as *Lopadium*; **illustr.:** -; **distr.:** all tropics.
- Loflammia gabrielis** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 21: 216 (1986). **Basionym:** *Patellaria gabrielis* Müll. Arg. in Journ. Linn. Soc. Bot., London, 29: 325 (1892). **Synonym:** *Bacidia gabrielis* (Müll. Arg.) Zahlbr., *Bilimbia gabrielis* (Müll. Arg.) Szatala. **Descr.:** Santesson 1952: 461, as *Bacidia*; **key:** Santesson 1952: 440, as *Bacidia*; Vezda 1975b: 413, as *Bacidia*; **illustr.:** Santesson 1952: 461, as *Bacidia*; **distr.:** all tropics.
- Loflammia intermedia** (R. Sant.) Vezda, Folia Geobot. Phytotax., Praha, 21: 216 (1986). **Basionym:** *Lopadium intermedium* R. Sant. in Symb. bot. upsal. 12(1): 542 (1952). **Descr.:** Santesson 1952: 542\*, as *Lopadium*; **key:** Santesson 1952: 526, as *Lopadium*; **illustr.:** -; **distr.:** Malesia.
- LOGILVIA** Vezda, Folia Geobot. Phytotax., Praha, 21: 211 (1986). **Type species:** *Lopadium gilvum* Müll. Arg. = *Logilvia gilva* (Müll. Arg.) Vezda. **Descr.:** Vezda 1986: 211\*; **key:** Vezda 1986: 206.
- Logilvia gilva** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 21: 216 (1986). **Basionym:** *Lopadium gilvum* Müll. Arg. in Lich. Epiph. Novi, Genève, p. 15. (1890). **Descr.:** Santesson 1952: 545, as *Lopadium*; **key:** Santesson 1952: 526, as *Lopadium*; **illustr.:** Lücking 1992a: 158 (spores), 163; **distr.:** Neotropics.
- LOPADIUM** Körb., Syst. Lich. Germ., Breslau, p. 210 (1855). **Descr.:** Santesson 1952: 522; **key:** Santesson 1952: 54.
- Lopadium couepiae** L. Xavier, Anais da UFRPE, Ciências Biológicas, Recife, 3(1): 95 (1976). **Descr.:** Xavier Filho 1976: 95\*; **key:** -; **illustr.:** Xavier Filho 1976: 97; **distr.:** Brazil.
- Lopadium elliottii* (Vain.) Zahlbr. = *Fellhanera elliottii*.
- Lopadium flammeum* Müll. Arg. = *Loflammia flammea*.
- Lopadium foliicola* (Fée) R. Sant. = *Calopadia foliicola*.
- Lopadium fuscum* Müll. Arg. = *Calopadia fusca*.
- Lopadium gilvum* Müll. Arg. = *Logilvia gilva*.
- Lopadium intermedium* R. Sant. = *Loflammia intermedia*.
- Lopadium newtonianum** (Henriq.) R. Sant. **Descr.:** Santesson 1952: 543; **key:** Santesson 1952: 526; **illustr.:** -; **distr.:** Africa.
- Lopadium nymanii* R. Sant. = *Calopadia nymanii*.
- Lopadium perpallidum* (Nyl.) Zahlbr. = *Calopadia perpallida*.
- Lopadium phyllogenum* (Müll. Arg.) Zahlbr. = *Calopadia phyllogena*.
- Lopadium puiggarii* (Müll. Arg.) Zahlbr. = *Calopadia puiggarii*.
- Lopadium subcoerulescens* Zahlbr. = *Calopadia subcoerulescens*.
- Lopadium tayabasense** (Vain.) Zahlbr. **Descr.:** Santesson 1952: 540; **key:** Santesson 1952: 526; **illustr.:** -; **distr.:** Philippines.
- Lopadium vermiculiferum** (Vain.) Zahlbr. **Descr.:** Santesson 1952: 539; **key:** Santesson 1952: 526; **illustr.:** -; **distr.:** Phil-

ippines.

*Lopadium vulgare* Müll. Arg., Flora, Regensburg, 64: 109 (1881). = *Actinoplaca vulgaris*.

**LYROMMA** Bat. & H. Maia, Atas Inst. Micol. 2: 359 (1965a). **Type species:** *Lyromma nectandrae* Bat. & H. Maia. **Descr.:** Batista & Maia 1965a: 359\*; **key:** -.

**Lyromma dolicobelum** Cavalc. in Cavalcante et al., Publções Inst. Mycol. Recife, 647: 39 (1972b). **Descr.:** Cavalcante et al. 1972b: 39\*; **key:** -; **illustr.:** Cavalcante et al. 1972b: 43; **distr.:** Brazil. **Remark:** confirmed by Sérusiaux 1992: 42.

**Lyromma nectandrae** Bat. & H. Maia, Atas Inst. Micol. 2: 360 (1965a). **Descr.:** Batista & Maia 1965a: 360\*; **key:** -; **illustr.:** Batista & Maia 1965a: 363; Lücking 1992a: 85 (spores), 166; **distr.:** Brazil. **Remark:** confirmed by Lücking 1992a: 168 and Sérusiaux 1992: 42.

**MACENTINA** Vezda, Acta Mus. Silesiae, Opava, ser. A, 22: 69 (1973). **Type species:** *Macentina perminuta* Vezda. **Descr.:** Vezda 1973: 69\*; **key:** Aptroot 1991a: 267-273.

**Macentina borhidii** Farkas & Vezda, Acta bot. hung., 33: 296 (1987). **Descr.:** Farkas & Vezda 1987: 296\*; **key:** Farkas & Vezda 1987: 296; **illustr.:** Farkas & Vezda 1987: 297 **distr.:** Tanzania, Australia.

**Macentina hepaticola** Döbbeler & Vezda, Mitt. Bot. München, 18: 2 (1982). **Descr.:** Döbbeler & Vezda 1982: 2\*; **key:** -; **illustr.:** Döbbeler & Vezda 1982: 5; **distr.:** Africa-Zaire.

**Macentina perminuta** Vezda, Acta Mus. Silesiae, Opava, ser. A, 22: 69 (1973). **Descr.:** Vezda 1973: 69\*; **key:** Farkas & Vezda 1987: 296; **illustr.:** Vezda 1973: 71; Lücking 1992a: 85 (spores); **distr.:** Africa.

**Macentina uniseptata** Kalb & Vezda, Nova Hedwigia 55(1-2): 202 (1992). **Descr.:** Kalb & Vezda 1992: 202; **key:** -; **illustr.:** Kalb & Vezda 1992: 198; **distr.:** Brazil.

**MANAUSTRUM** Cavalc. & A. A. Silva in Cavalcante et al., Publções Inst. Micol. Recife, 647: 13 (1972b). **Type species:** *Manaustrum palmae* Cavalc. & A. A.

Silva in Cavalcante et al. **Descr.:** Cavalcante et al. 1972b: 13\*; **key:** -.

**Manaustrum palmae** Cavalc. & A. A. Silva in Cavalcante et al., Publções Inst. Micol. Recife, 647: 14 (1972b). **Descr.:** Cavalcante et al. 1972b: 14\*; **key:** -; **illustr.:** Cavalcante et al. 1972b: 16; **distr.:** Brazil.

**MAZOSIA** A. Massal., Neogenea Lichenum, Verona, p. 9 (1854). **Synonym:** *PHRAGMOPELTHECA* L. Xavier. **Descr.:** Santesson 1952: 108-109; **key:** Santesson 1952: 54. **Remark:** Though Kalb & Vezda (1988: 200) suggested that *Mazosia* should be in the family Opoglyphaceae, Eriksson & Hawksworth (1988b: 109) confirm Eriksson's (1981) opinion concerning its position in Phragmopelthecaceae (Xavier Filho 1976: 42).

**Mazosia aptrootii** Sipman, Nova Hedwigia 53(1-2): 257 (1991a). **Descr.:** Sipman 1991a: 257\*; **key:** -; **illustr.:** Sipman 1991a: 259; **distr.:** Australia.

**Mazosia bambusae** (Vain.) R. Sant. **Descr.:** Santesson 1952: 121; **key:** Santesson 1952: 112; **illustr.:** -; **distr.:** Malesia.

**Mazosia dispersa** (J. Hedrick) R. Sant. **Descr.:** Santesson 1952: 120; **key:** Santesson 1952: 112; Kalb & Vezda 1988a: 201; **illustr.:** Farkas 1987a: 50; Lücking 1992a: 35, 37 (spores); **distr.:** all tropics.

**Mazosia melanophthalma** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 117; **key:** Santesson 1952: 112; Kalb & Vezda 1988a: 201; **illustr.:** Santesson 1952: 118, Farkas 1987a: 51; **distr.:** all tropics.

**Mazosia melanophthalma** (Müll. Arg.) R. Sant. var. **macrospora** Bat. & M. M. P. Herrera in Batista et al., Atas Inst. Micol. 5: 431 (1967). **Descr.:** Batista et al. 1967: 436\*; **key:** -; **illustr.:** Batista et al. 1967: 442; Lücking 1992a: 35, 37 (spores); **distr.:** Brazil.

**Mazosia paupercula** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 128; **key:** Santesson 1952: 112; Kalb & Vezda 1988a: 201; **illustr.:** -; **distr.:** all tropics.

**Mazosia paupercula** (Müll. Arg.) R. Sant. var. **macrospora** Bat. & H. Maia in Batista et al., Atas Inst. Micol. 5: 436 (1967). **Descr.:**

- Batista et al. 1967: 436\*; **key:** -; **illustr.:** Batista et al. 1967: 444; Lücking 1992a: 37 (spores); **distr.:** Brazil.
- Mazosia phyllosema** (Nyl.) Zahlbr. **Descr.:** Santesson 1952: 123; **key:** Santesson 1952: 112; Kalb & Vezda 1988a: 201; **illustr.:** Santesson 1952: 124; Lücking 1992a: 35; **distr.:** all tropics.
- Mazosia pilosa** Kalb & Vezda, Folia Geobot. Phytotax., Praha, 23: 203 (1988a). **Descr.:** Kalb & Vezda 1988a: 203\*; **key:** Kalb & Vezda 1988a: 201; **illustr.:** Kalb & Vezda 1988a: 205; Lücking 1992a: 37 (spores); **distr.:** Brazil (Amazonia, Para, Mato Grosso).
- Mazosia praemorsa** (Stirt.) R. Sant. **Descr.:** Santesson 1952: 116; **key:** Santesson 1952: 112; Kalb & Vezda 1988a: 201; **illustr.:** -; **distr.:** Neotropics.
- Mazosia pseudobambusae** Kalb & Vezda, Folia Geobot. Phytotax., Praha, 23: 207 (1988a). **Descr.:** Kalb & Vezda 1988a: 207\*; **key:** Kalb & Vezda 1988a: 201; **illustr.:** Kalb & Vezda 1988a: 204; **distr.:** Brazil (Amazonia, Mato Grosso, São Paulo).
- Mazosia rotula** (Mont.) A. Massal. **Descr.:** Santesson 1952: 113; **key:** Santesson 1952: 112; Kalb & Vezda 1988a: 201; **illustr.:** Lücking 1992a: 35, 37 (spores); **distr.:** Neotropics, less common in the other tropics.
- Mazosia rubropunctata** R. Sant. **Descr.:** Santesson 1952: 122\*; **key:** Santesson 1952: 112; Kalb & Vezda 1988a: 201; **illustr.:** -; **distr.:** Neotropics, Africa.
- Mazosia tomentifera** Vezda & Lumbsch in Lumbsch & Vezda, Nova Hedwigia 50(1-2): 250 (1990). **Descr.:** Lumbsch & Vezda 1990: 250\*; **key:** -; **illustr.:** Lumbsch & Vezda 1990: 251; Lücking 1992a: 37 (spores); **distr.:** Australia (Queensland).
- Mazosia tumidula** (Stirt.) Müll. Arg. **Descr.:** Santesson 1952: 115; **key:** Santesson 1952: 112; Kalb & Vezda 1988a: 201; **illustr.:** -; **distr.:** Neotropics.
- MEGALOSPORA** Meyen in Meyen & Flotow, Nov. Act. Acad. Caes. Leop.-Carol. Nat. Cur. 19(Suppl. 1): 228 (1843). **Descr.:** -; **key:** -.
- Megalospora simplex** Vezda, Folia Geobot. Phytotax., Praha, 10: 428 (1975b). **Descr.:** Vezda 1975b: 428\*; **key:** -; **illustr.:** Vezda 1975b: 430; **distr.:** Africa.
- MICROTHELIOPSIS** Müll. Arg., Flora, Marburg, 73: 195 (1890). **Descr.:** Santesson 1952: 133; **key:** Santesson 1952: 54.
- Microtheliopsis uleana** Müll. Arg. **Descr.:** Santesson 1952: 135; **key:** -; **illustr.:** Santesson 1952: 135; Lücking 1992a: 78, 85 (spores); **distr.:** all tropics, Australia.
- MICROXYPHIOMYCES** Bat., Valle & Peres in Batista et al., Publções Inst. Micol. Recife, 319: 8. (1961). **Type species:** *Microxyphiomyces manaosensis* Bat., Valle & Peres in Batista et al. **Descr.:** Batista et al. 1961: 8\*; **key:** -.
- Microxyphiomyces astrocaryifolii** Bat., J. L. Bezerra & Cavalc. in Batista et al., Publções Inst. Micol. Recife, 319: 10 (1961). **Descr.:** Batista et al. 1961: 10\*; **key:** -; **illustr.:** Batista et al. 1961: 12; **distr.:** Brazil.
- Microxyphiomyces capitulatus** Bat. & J. L. Bezerra in Batista et al., Publções Inst. Micol. Recife, 319: 13 (1961). **Descr.:** Batista et al. 1961: 13\*; **key:** -; **illustr.:** Batista et al. 1961: 16; **distr.:** Brazil.
- Microxyphiomyces intermedius** Bat., J. L. Bezerra & Cavalc. in Batista et al., Publções Inst. Micol. Recife, 319: 17 (1961). **Descr.:** Batista et al. 1961: 17; **key:** -; **illustr.:** Batista et al. 1961: 20; **distr.:** Brazil.
- Microxyphiomyces manaosensis** Bat., Valle & Peres in Batista et al., Publções Inst. Micol. Recife, 319: 21 (1961). **Descr.:** -; **key:** -; **illustr.:** -; **distr.:** -.
- Microxyphiomyces minutus** Bat. & Cavalc. in Batista et al., Publções Inst. Micol. Recife, 319: 24 (1961). **Descr.:** Batista et al. 1961: 24; **key:** -; **illustr.:** Batista et al. 1961: 27; **distr.:** Brazil.
- MYRIOTREMA** Fée, Essai Crypt. XLIV (1824). **Type species:** *Myriotrema olivaceum* Fée in Essai Crypt. XLIV: 103 (1824). **Descr.:** Hale 1981: 271; **key:** -.
- Myriotrema foliicola** (Hale) Hale, Mycotaxon 11: 133 (1980). **Basionym:** *Phaeotrema foliicola* Hale. **Descr.:** Hale 1975: 175\*; **key:** -; **illustr.:** Hale 1975: 180; **distr.:**

Solomon Islands. **Remark:** The species is stated to be "foliicolous over mosses" and is probably not foliicolous in the proper sense.

**ONCOSPORYMYCES** Bat. in Batista & Maia, Atas Inst. Micol. 2: 364 (1965a). **Type species:** *Oncosporomyces bellus* Bat. & H. Maia **Descr.:** Batista & Maia 1965a: 364\*; **key:** -.

**Oncosporomyces bellus** Bat. & H. Maia, Atas Inst. Micol. 2: 365 (1965a). **Descr.:** Batista & Maia 1965a: 365\*; **key:** -; **illustr.:** Batista & Maia 1965a: 368; **distr.:** Brazil.

**OPEGRAPHA** Ach., Kongl. Vetensk. Acad. Nya Handl., Stockholm, 30: 97 (1809). **Descr.:** Santesson 1952: 96; **key:** Santesson 1952: 54.

**Opegrapha alba** Lücking, Nova Hedwigia 52(3-4): 270 (1991). **Descr.:** Lücking 1991: 271\*; **key:** Lücking 1992a: 28; **illustr.:** Lücking 1991: 272, 274; Lücking 1992a: 29, 31 (spores); **distr.:** Costa Rica.

**Opegrapha dibbenii** Sérusiaux, Lichenologist 17: 19 (1985). **Descr.:** Sérusiaux 1985: 19\*; **key:** Sérusiaux 1985: 18; **illustr.:** Sérusiaux 1985: 20; **distr.:** Costa Rica.

**Opegrapha filicina** Mont. **Descr.:** Santesson 1952: 100; Sérusiaux 1984a: 301 (cf.); **key:** Santesson 1952: 99; **illustr.:** Hertel 1974: 421 (spores); Lücking 1992a: 29, 31 (spores); **distr.:** Neotropics, Africa, New Guinea.

**Opegrapha lambinonii** Sérusiaux, Lejeunia, n. s. 90: 2 (1978). **Descr.:** Sérusiaux 1978: 2\*; **key:** Sérusiaux 1985: 18; **illustr.:** Sérusiaux 1978: fig. 8-11; Sérusiaux 1985: 20; Lücking 1992a: 29 (cf.); **distr.:** Africa.

**Opegrapha luzonensis** Sérusiaux, Lichenologist 17: 21 (1985). **Descr.:** Sérusiaux 1985: 21\*; **key:** Sérusiaux 1985: 18; **illustr.:** Sérusiaux 1985: 20, Vezda & Kalb 1991: 222; **distr.:** Philippines, Australia.

**Opegrapha orbignyae** H. B. P. Upadhyay, Publções Inst. Micol. Recife & Inst. nac. Pesq. Amazonia, 410: 3 (1964b). **Descr.:** Upadhyay 1964b: 3\*; **key:** -; **illustr.:** Upadhyay 1964b: 6; **distr.:** Brazil.

**Opegrapha phylloporinae** Müll. Arg. **Descr.:** -; **key:** Santesson 1952: 99; **illustr.:** Lück-

ing 1992a: 31 (spores); **distr.:** -.

**Opegrapha puiggarii** Müll. Arg. **-Descr.:** Santesson 1952: 102; **key:** Santesson 1952: 99; **illustr.:** Santesson 1952: 103; Lücking 1992a: 31 (spores); **distr.:** all tropics.

**Opegrapha santessonii** Sérusiaux, Lichenologist 17: 21 (1985). **Descr.:** Sérusiaux 1985: 21\*; **key:** Sérusiaux 1985: 18; **illustr.:** Sérusiaux 1985: 20; **distr.:** Africa.

**Opegrapha vegae** R. Sant. **Descr.:** Santesson 1952: 99\*; **key:** Santesson 1952: 99; **illustr.:** -; **distr.:** Malaysia.

**Opegrapha velata** (Müll. Arg.) R. Sant. **Descr.:** -; **key:** Santesson 1952: 99; **illustr.:** Lücking 1992a: 29, 31 (spores); **distr.:** -.

**PHAEOGRAPHIS** Müll. Arg., Flora, Regensburg, 65: 336 (1882). **Descr.:** -; **key:** -.

**Phaeographis phyllocharis** (Vain.) Zahlbr. **Descr.:** Vainio 1901: 438\*; **key:** -; **illustr.:** -; **distr.:** Africa (Angola).

**PHAEOTREMA** Müll. Arg., Mém. Soc. Phys. Genève, 29(8): 10 (1887). **Descr.:** -; **key:** -.

*Phaeotrema foliicola* Hale, Mycotaxon 3(1): 175 (1975) = *Myriotrema foliicola*.

**PHALLOMYCES** Bat. & Valle in Batista et al., Publções Inst. Micol. Recife, 319: 28. (1961). **Type species:** *Phallomyces palmae* Bat. & Valle. **Descr.:** Batista et al. 1961: 28\*; **key:** -.

**Phallomyces palmae** Bat. & Valle in Batista et al., Publções Inst. Micol. Recife, 319: 30 (1961). **Descr.:** Batista et al. 1961: 30\*; **key:** -; **illustr.:** Batista et al. 1961: 33; **distr.:** Brazil.

**PHRAGMOPELTHECA** L. Xavier, Univ. Paraíba, p. 45 (1976) = **MAZOSIA**. **Type species:** *Phragmopelthea pulcherrima* L. Xavier. = *Mazosia melanophthalma* (see Eriksson 1981: 127). **Remark:** The type species of the genus *Phragmopelthea* has been found to belong to *Mazosia*. The taxonomic position of the remaining species needs further study.

**Phragmopelthea caseariae** L. Xavier, Univ. Fed. Paraíba, p. 46 (1976). **Descr.:** Xavier 1976: 46\*; **key:** -; **illustr.:** Xavier 1976: 71; **distr.:** Brazil.

**Phragmopelthea cupaniae** L. Xavier, Univ. Fed. Paraíba, p. 47 (1976). **Descr.:** Xavier



- 1976: 47\*; **key**: -; **illustr.**: Xavier 1976: 71; **distr.**: Brazil.
- Phragmopeltheca cupaniae** L. Xavier var. **caruaruensis** L. Xavier, Univ. Fed. Paraíba, p. 58 (1976). **Descr.**: Xavier 1976: 58\*; **key**: -; **illustr.**: Xavier 1976: 78; **distr.**: Brazil.
- Phragmopeltheca cupaniae** L. Xavier var. **minor** L. Xavier, Univ. Fed. Paraíba, p. 59 (1976). **Descr.**: Xavier 1976: 59\*; **key**: -; **illustr.**: Xavier 1976: 79; **distr.**: Brazil.
- Phragmopeltheca hymenaeae** L. Xavier, Univ. Fed. Paraíba, p. 49 (1976). **Descr.**: Xavier 1976: 49\*; **key**: -; **illustr.**: Xavier 1976: 72; **distr.**: Brazil.
- Phragmopeltheca psidii** L. Xavier, Univ. Fed. Paraíba, p. 51 (1976). **Descr.**: Xavier 1976: 51\*; **key**: -; **illustr.**: Xavier 1976: 73; **distr.**: Brazil.
- Phragmopeltheca psychotriae** L. Xavier, Univ. Fed. Paraíba, p. 52 (1976). **Descr.**: Xavier 1976: 52\*; **key**: -; **illustr.**: Xavier 1976: 74; **distr.**: Brazil.
- Phragmopeltheca pulcherrima* L. Xavier, Univ. Fed. Paraíba, p. 54 (1976) = *Mazosia melanophthalma* (see Eriksson 1981: 127).
- Phragmopeltheca pulcherrima* L. Xavier var. *octospora* L. Xavier, Univ. Fed. Paraíba, p. 60 (1976) = *Mazosia melanophthalma* (see Eriksson 1981: 127).
- Phragmopeltheca pulcherrima** L. Xavier var. **pentaseptata** L. Xavier, Univ. Fed. Paraíba, p. 62 (1976). **Descr.**: Xavier 1976: 62; **key**: -; **illustr.**: Xavier 1976: 80; **distr.**: Brazil.
- PHYLLOBATHELIUM** (Müll. Arg.) Müll. Arg., Flora, Marburg, 73: 195 (1890). **Descr.**: Santesson 1952: 287; **key**: Santesson 1952: 54.
- Phyllobathelium epiphyllum** (Müll. Arg.) Müll. Arg. **Descr.**: Santesson 1952: 291; **key**: Santesson 1952: 289; **illustr.**: Santesson 1952: 291; Lücking 1992a: 81, 83 (spores); **distr.**: Neotropics.
- Phyllobathelium nigrum** R. Sant. & Tibell, *Austrobaileya*, 2(5): 538 (1988). **Descr.**: Santesson & Tibell 1988: 538\*; **key**: -; **illustr.**: Santesson & Tibell 1988: 539; Lücking 1992a: 81 (doubtful, does not agree with original description), 83 (spores); **distr.**: Java, Queensland, Fiji.
- Phyllobathelium thaxteri** (Vain.) Zahlbr. **Descr.**: Santesson 1952: 289; **key**: Santesson 1952: 289; **illustr.**: -; **distr.**: Trinidad.
- PHYLLOBLASTIA** Vain. em. Kalb & Vezda, *Ann. Acad. Sci. Fenn., Helsingfors*, ser. A, 15: 323 (1921). **Descr.**: Santesson 1952: 292, Kalb & Vezda 1992: 203; **key**: Santesson 1952: 54.
- Phylloblastia amazonica** Kalb & Vezda, *Nova Hedwigia* 55(1-2): 203 (1992). **Descr.**: Kalb & Vezda 1992: 203\*; **key**: -; **illustr.**: Kalb & Vezda 1992: 204; **distr.**: Brazil.
- Phylloblastia dolichospora** Vain. **Descr.**: Santesson 1952: 293, Vezda & Kalb 1991: 223; **key**: -; **illustr.**: Santesson 1952: 294; **distr.**: Malesia, Africa, Australia.
- PHYLLOPHIALE** R. Sant., *Symb. bot. upsala.*, Uppsala, 12(1): 557 (1952). **Synonym**: *STEPHOSIA* Bat. & H. Maia. **Descr.**: Santesson 1952: 557\*; **key**: Santesson 1952: 54.
- Phyllophiale alba** R. Sant. **Synonym**: *Stephosia protii* Bat. & H. Maia. **Descr.**: Santesson 1952: 557\*; **key**: -; **illustr.**: Santesson 1952: 560; Lücking 1992a: 166; **distr.**: all tropics.
- Phyllophiale fusca** R. Sant. in Lücking, *Nova Hedwigia* 52(3-4): 302 (1991). **Descr.**: Lücking 1991: 302\*; **key**: Lücking 1992a: 165; **illustr.**: Lücking 1991: 286; Lücking 1992a: 166; **distr.**: Costa Rica, Guadeloupe.
- PHYLLOPORINA** (Müll. Arg.) Müll. Arg., *Lich. Epiph. Novi, Genève*, p. 20 (1890) = **PORINA**.
- Phylloporina conica* (R. Sant.) Szatala, *Annls Hist.-nat. Mus. natn. Hung.*, n.s. 7: 22 (1956) = *Porina conica*.
- Phylloporina corruscans* (Rehm) Szatala, *Annls Hist.-nat. Mus. natn. Hung.*, n.s. 7: 21 (1956) = *Porina corruscans*.
- Phylloporina fulvella* (Müll. Arg.) Müll. Arg. "(Müll. Arg.) Szatala, *Annls Hist.-nat. Mus. natn. Hung.*, n.s. 7: 22 (1956)" = *Porina fulvella*.
- Phylloporina homala* (R. Sant.) Szatala, *Annls*

Hist.-nat. Mus. natn. Hung., n.s. 7: 23 (1956) = *Porina homala*.

*Phylloporina lucida* (R. Sant.) Szatala, Anns Hist.-nat. Mus. natn. Hung., n.s. 7: 22 (1956) = *Porina lucida*.

*Phylloporina multipunctata* (R. Sant.) Szatala, Anns Hist.-nat. Mus. natn. Hung., n.s. 7: 21 (1956) = *Phylloporis multipunctata*.

**PHYLLOPORIS** Clem., The Genera of Fungi, Minneapolis, p. 41, 173 (1909). **Descr.:** Vezda 1984: 183; **key:** Lücking 1992a: 13. **Remark:** *Phylloporis* Clem. was reintroduced by Vezda (1984: 183) and later placed as a synonym of *Strigula* by Eriksson & Hawksworth (1986: 151). Authors of papers on foliicolous lichens are still using the name *Phylloporis* in their publications - following Vezda's nomenclature (Farkas 1987a, Lücking 1992a, Sipman 1992). The thallus morphology, the supracuticular growth, the perithecial anatomy and the ecology of the *Phylloporis* species suggest that the name *Phylloporis* should be maintained for an autonomous genus separate from *Strigula* (Lücking 1992a: 51).

**Phylloporis multipunctata** (G. Merr. ex R. Sant.) Vezda, Folia Geobot. Phytotax., Praha, 19: 183 (1984). **Basionym:** *Porina multipunctata* G. Merr. ex R. Sant. in Symb. bot. upsal. 12(1): 216 (1952). **Synonym:** *Phylloporina multipunctata* (R. Sant.) Szatala, ?*Porina multipunctata* R. Sant. var. *schizospora* Vezda. **Descr.:** Santesson 1952: 216\*, as *Porina*; Vezda 1975b: 396\*, as *Porina multipunctata* var. *schizospora*; **key:** Santesson 1952: 208, as *Porina*; **illustr.:** Vezda 1975b: 399, as *Porina multipunctata* var. *schizospora*; Vezda 1984: 184; **distr.:** Malesia, Australia, Africa.

**Phylloporis obducta** (Müll. Arg.) R. Sant. & Tibell, Austrobaileya, 2(5): 539 (1988). **Basionym:** *Phylloporina obducta* Müll. Arg. in Flora, Marburg, 73: 198 (1890). **Synonym:** *Porina obducta* (Müll. Arg.) F. Schill. **Descr.:** Santesson 1952: 213, as *Porina*; **key:** Santesson 1952: 208, as *Porina*; **illustr.:** Singh 1971a: 976, as *Porina*; Lücking 1992a: 52 (spores);

**distr.:** all tropics.

**Phylloporis phyllogena** (Müll. Arg.) Clem. **Synonym:** *Porina phyllogena* Müll. Arg. **Descr.:** Santesson 1952: 211, as *Porina*; **key:** Santesson 1952: 208, as *Porina*; **illustr.:** Santesson 1952: 212, as *Porina*; Lücking 1992a: 52 (spores), 54; Singh 1971a: 976, as *Porina*; Vezda 1984: 184; **distr.:** all tropics.

**Phylloporis platypoda** (Müll. Arg.) Vezda, Folia Geobot. Phytotax., Praha, 19: 185 (1984). **Basionym:** *Porina platypoda* Müll. Arg. in Flora, Regensburg, 66: 335 (1883). **Descr.:** Santesson 1952: 214, as *Porina*; **key:** Santesson 1952: 208, as *Porina*; **illustr.:** Santesson 1952: 215, as *Porina*; Lücking 1992a: 52 (spores), 54; **distr.:** all tropics.

**Phylloporis viridis** Lücking, Nova Hedwigia 52(3-4): 276 (1991). **Descr.:** Lücking 1991: 276\*; **key:** Lücking 1992a: 53; **illustr.:** Lücking 1991: 278, 279; Lücking 1992a: 54; **distr.:** Costa Rica.

**PLEUROTREMA** Müll. Arg., Bot. Jahrb. Syst., Leipzig, 6: 388 (1885). **Descr.:** Aptroot 1991b: 46, as *Lithothelium*; **key:** Aptroot 1991b: 37, as *Lithothelium*. **Remark:** *Pleurotrema* is considered as a synonym of *Lithothelium*; since some unrelated elements have been also included in *Pleurotrema*, the generic relationship of *P. epiphyllum* needs reinvestigation. (see Aptroot 1991b: 46).

**Pleurotrema epiphyllum** Vezda, Folia Geobot. Phytotax., Praha, 13: 99 (1978). **Descr.:** Vezda 1978: 99\*; **key:** -; **illustr.:** Vezda 1978: 100; **distr.:** Africa.

**POCSIA** Vezda, Folia Geobot. Phytotax., Praha, 10: 401 (1975b). **Type species:** *Pocsia marattiae* Vezda. **Descr.:** Vezda 1975b: 401\*; **key:** Lücking 1992a: 13-14.

**Pocsia dispersa** Vezda, Folia Geobot. Phytotax., Praha, 17: 390 (1982). **Descr.:** Vezda 1982: 390\*; **key:** Vezda 1982: 388; **illustr.:** Vezda 1982: 389; **distr.:** Africa.

**Pocsia marattiae** Vezda, Folia Geobot. Phytotax., Praha, 10: 402 (1975b). **Descr.:** Vezda 1975b: 402\*; **key:** Vezda 1982: 388; **illustr.:** Vezda 1975b: 403 (undertext misplaced, on p. 401); **distr.:** Africa.

- Pocsia septemseptata** Vezda, Folia Geobot. Phytotax., Praha, 17: 388 (1982). **Descr.:** Vezda 1982: 388\*; **key:** Vezda 1982: 388; **illustr.:** Vezda 1982: 389; Lücking 1992a: 78, 85 (spores); **distr.:** Africa.
- Pocsia triseptata** Kalb & Vezda in Vezda & Kalb, Nova Hedwigia 53(1-2): 224 (1991). **Descr.:** Vezda & Kalb 1991: 225\*; **key:** -; **illustr.:** Vezda & Kalb 1991: 222; **distr.:** Australia.
- PODOXYPHIOMYCES** Bat., Valle & Peres in Batista et al., Publções Inst. Micol. Recife, 319: 35 (1961). **Type species:** *Podoxyphiomyces manaosensis* Bat., Valle & Peres in Batista et al. **Descr.:** Batista et al. 1961: 35\*; **key:** -.
- Podoxyphiomyces manaosensis** Bat., Valle & Peres in Batista et al., Publções Inst. Micol. Recife, 319: 37 (1961). **Descr.:** Batista et al. 1961: 37\*; **key:** -; **illustr.:** Batista et al. 1961: 40; **distr.:** Brazil.
- PORINA** Müll. Arg., Flora, Regensburg, 66: 320 (1883). **Synonym:** *PHYLLOPORINA* (Müll. Arg.) Müll. Arg. **Descr.:** Santesson 1952: 199; **key:** Santesson 1952: 54.
- Porina albicera** (Kremp.) Overeem **Descr.:** Santesson 1952: 229; **key:** Santesson 1952: 208; **illustr.:** Singh 1971a: 976; **distr.:** Philippines, Malaysia, Vietnam, Ivory Coast, Queensland.
- Porina andamanensis** Upreti & Ajay Singh, Bot. J. Linn. Soc. 94: 399 (1987a). **Descr.:** Upreti & Singh 1987a: 399\*; **key:** -; **illustr.:** Upreti & Singh 1987a: 400, 401; **distr.:** India (Andaman Islands).
- Porina applanata** Vain. **Descr.:** Santesson 1952: 245; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Malesia.
- Porina aspera** Vezda, Folia Geobot. Phytotax., Praha, 10: 391 (1975b). **Descr.:** Vezda 1975b: 391\*; **key:** -; **illustr.:** Vezda 1975b: 392; **distr.:** Africa.
- Porina athertonii** Sipman, Nova Hedwigia 53(1-2): 260 (1991a). **Descr.:** Sipman 1991a: 260\*; **key:** -; **illustr.:** Sipman 1991a: 259; **distr.:** Australia.
- Porina atrocoerulea** Müll. Arg. **Descr.:** Santesson 1952: 226; **key:** Santesson 1952: 208; Sérusiaux 1977: 40; **illustr.:** Singh 1971a: 976; Lücking 1992a: 62 (spores); **distr.:** all tropics.
- Porina barvica** Lücking, Nova Hedwigia 52(3-4): 281 (1991). **Descr.:** Lücking 1991: 281\*; **key:** -; **illustr.:** Lücking 1991: 283, 281; Lücking 1992a: 58, 62 (spores); **distr.:** Costa Rica.
- Porina cerina** (Zahlbr.) R. Sant. **Descr.:** Santesson 1952: 248; **key:** Santesson 1952: 208; Sérusiaux 1977: 40; Sérusiaux 1979c: 184; **illustr.:** -; **distr.:** Malesia, New Zealand.
- Porina chrysophora** (Stirt.) R. Sant. **Descr.:** Santesson 1952: 222; Vezda 1977: 27; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** New Zealand, Vietnam.
- Porina colchica** Vezda, Folia Geobot. Phytotax., Praha, 18: 53 (1983). **Descr.:** Vezda 1983: 53\*; **key:** -; **illustr.:** Vezda 1983: 51; **distr.:** Caucasus.
- Porina conica** R. Sant. **Synonym:** *Phylloporina conica* (R. Sant.) Szatala. **Descr.:** Santesson 1952: 232\*; **key:** Santesson 1952: 208; **illustr.:** Santesson 1952: 233; Singh 1971a: 976; **distr.:** Malesia, and surroundings, a.o. Philippines, New Guinea, Australia, India, Ivory Coast.
- Porina coruscans** (Rehm) R. Sant. **Synonym:** *Phylloporina coruscans* (Rehm) Szatala. **Descr.:** Santesson 1952: 223; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Himalaya, Malesia, Polynesia, Australia.
- Porina cubana** Vezda, Folia Geobot. Phytotax., Praha, 19: 186 (1984). **Descr.:** Vezda 1984: 186\*; **key:** Lücking 1992a: 56; **illustr.:** Vezda 1984: 184; Lücking 1992a: 67, 70 (spores); **distr.:** Cuba.
- Porina cupreola** (Müll. Arg.) F. Schill. **Descr.:** Santesson 1952: 257; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Vietnam, Australia.
- Porina diaphana** Vezda, Acta Mus. Silesiae, Opava, ser. A, 26: 27 (1977). **Descr.:** Vezda 1977: 27\*; **key:** -; **illustr.:** Vezda 1977: 24; **distr.:** Vietnam.
- Porina dwesica** Brusse & C. H. Dickinson, Mycotaxon 42: 347 (1991). **Descr.:** Brusse & Dickinson 1991: 347\*; **key:** -; **illustr.:** Brusse & Dickinson 1991: 350; **distr.:** South Africa.

- Porina epiphylla** (Fée) Fée. **Descr.:** Santesson 1952: 234; **key:** Santesson 1952: 208; **illustr.:** Santesson 1952: 235; Lücking 1992a: 58; **distr.:** all tropics.
- Porina epiphylla** (Fée) Fée var. **atriceps** Vain. **Descr.:** Santesson 1952: 239; **key:** Santesson 1952: 208; **illustr.:** Singh 1971a: 976; Lücking 1992a: 64, 70 (spores); **distr.:** all tropics.
- Porina epiphyloides** Vezda, Folia Geobot. Phytotax., Praha, 10: 393 (1975b). **Descr.:** Vezda 1975b: 393\*; **key:** -; **illustr.:** Vezda 1975b: 392; **distr.:** Africa, Vietnam, Australia.
- Porina fulvella** Müll. Arg. **Synonym:** *Porina subpilosa* Vezda. **Descr.:** Santesson 1952: 247; Vezda 1984: 189\*, as *Porina subpilosa*; **key:** Santesson 1952: 208; Sérusiaux 1977: 40; Sérusiaux 1979c: 184; **illustr.:** Vezda 1984: 184, as *Porina subpilosa*; **distr.:** all tropics.
- Porina fusca** Lücking, Nova Hedwigia 52(3-4): 283 (1991). **Descr.:** Lücking 1991: 281\*; **key:** Lücking 1992a: 56; **illustr.:** Lücking 1991: 284, 286; Lücking 1992a: 67; **distr.:** Costa Rica.
- Porina hoehneliana** (Jaap) R. Sant. **Descr.:** Santesson 1952: 262; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Europe, Caucasus, Himalaya.
- Porina homala** R. Sant. **Synonym:** *Phylloporina homala* (R. Sant.) Szatala. **Descr.:** Santesson 1952: 246\*; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Malesia (incl. Queensland).
- Porina imitatrix** Müll. Arg. **Descr.:** Santesson 1952: 231; **key:** Santesson 1952: 208; **illustr.:** Singh 1971a: 976; Lücking 1992a: 64, 70 (spores); **distr.:** all tropics.
- Porina impressa** R. Sant. **Descr.:** Santesson 1952: 219\*; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Queensland, New South Wales.
- Porina kamerunensis** F. Schill. **Descr.:** Santesson 1952: 220; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Africa, Australia.
- Porina laticarpa** Lücking, Nova Hedwigia 52(3-4): 280 (1991). **Descr.:** Lücking 1991: 280\*; **key:** Lücking 1992a: 56; **illustr.:** Lücking 1991: 280, 282; Lücking 1992a: 58, 62 (spores); **distr.:** Costa Rica.
- Porina leptosperma** Müll. Arg. **Descr.:** Santesson 1952: 257; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** all tropics.
- Porina limbulata** (Kremp.) Vain. **Descr.:** Santesson 1952: 252; **key:** Santesson 1952: 208; Sérusiaux 1979c: 184; **illustr.:** Singh 1971a: 976; Lücking 1992a: 67; **distr.:** all tropics.
- Porina longispora** Vezda, Folia Geobot. Phytotax., Praha, 10: 394 (1975b). **Descr.:** Vezda 1975b: 394\*; **key:** -; **illustr.:** Vezda 1975b: 395; **distr.:** Africa.
- Porina lucida** R. Sant. **Synonym:** *Phylloporina lucida* (R. Sant.) Szatala. **Descr.:** Santesson 1952: 240\*; **key:** Santesson 1952: 208; **illustr.:** Singh 1971a: 976; Lücking 1992a: 64, 70 (spores); **distr.:** Malesia, Australia, Africa.
- Porina monocarpa** (Kremp.) F. Schill. **Descr.:** Santesson 1952: 256; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Malesia.
- Porina moralesiae** Lücking, Nova Hedwigia 52(3-4): 279 (1991). **Descr.:** Lücking 1991: 279\*; **key:** Lücking 1992a: 56; **illustr.:** Lücking 1991: 280, 282; Lücking 1992a: 58, 62 (spores); **distr.:** Costa Rica.
- Porina multipunctata* G. Merr. ex R. Sant. = *Phylloporis multipunctata*.
- Porina multipunctata* G. Merr. ex R. Sant. var. *schizospora* Vezda, Folia Geobot. Phytotax., Praha, 10: 396 (1975b) = ? *Phylloporis multipunctata* (Vezda 1984: 183, Santesson & Tibell 1988: 539).
- Porina multiseptata** Müll. Arg. **Descr.:** Santesson 1952: 244; **key:** Santesson 1952: 208; **illustr.:** Singh 1971a: 976; **distr.:** Malesia, India.
- Porina nilgiriensis** D. D. Awasthi & Kr. P. Singh, Norw. J. Bot. 19: 241 (1972b). **Descr.:** Awasthi & Singh 1972b: 241\*; **key:** -; **illustr.:** Awasthi & Singh 1972b: 240; **distr.:** India (Nilgiri Hills).
- Porina nitidula** Müll. Arg. **Descr.:** Santesson 1952: 225; **key:** Santesson 1952: 208; **illustr.:** Singh 1971a: 976; Lücking 1992a: 61, 62 (spores); **distr.:** all tropics, incl. Argentina, rare in Asia and Australasia.
- Porina obducta* (Müll. Arg.) F. Schill. = *Phylloporis obducta*.



- Porina octomera** (Müll. Arg.) F. Schill. **Descr.:** Santesson 1952: 264; **key:** Santesson 1952: 208; **illustr.:** Lücking 1992a: 67, 70 (spores); **distr.:** all tropics.
- Porina ornata** Vezda, Acta Mus. Silesiae, Opava, ser. A, 22: 73 (1973). **Synonym:** *Porina papillifera* (Stirt.) F. Schill. var. *rubrofusca* Vezda. **Descr.:** Vezda 1973: 73\*; Vezda 1975b: 397\*, as *Porina papillifera* (Stirt.) F. Schill. var. *rubrofusca* Vezda; **key:** -; **illustr.:** Vezda 1973: 71; Vezda 1975b: 399, as *Porina papillifera* (Stirt.) F. Schill. var. *rubrofusca* Vezda; **distr.:** Africa.
- Porina oxneri** R. Sant. **Descr.:** Santesson 1952: 221\*; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Europe, N. Asia.
- Porina pallescens** R. Sant. **Descr.:** Santesson 1952: 263\*; **key:** Santesson 1952: 208; **illustr.:** Singh 1971a: 976; **distr.:** Africa, Himalaya.
- Porina palniensis** D. D. Awasthi & Kr. P. Singh, Norw. J. Bot. 19: 239 (1972b). **Descr.:** Awasthi & Singh 1972b: 239\*; **key:** -; **illustr.:** Awasthi & Singh 1972b: 240; **distr.:** India (Palni Hills).
- Porina papillifera** (Stirt.) F. Schill. **Descr.:** Santesson 1952: 228; **key:** Santesson 1952: 208; **illustr.:** Lücking 1992a: 61, 62 (spores); **distr.:** Neotropics, India.
- Porina papillifera* (Stirt.) F. Schill. var. *rubrofusca* Vezda, Folia Geobot. Phytotax., Praha, 10: 397 (1975b) = *Porina ornata* (fide Vezda 1984: 188).
- Porina perminuta** Vain. **Descr.:** Santesson 1952: 217; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Philippines, Pacific.
- Porina phyllogena* Müll. Arg. = *Phylloporis phyllogena*.
- Porina plana** R. Sant. **Descr.:** Santesson 1952: 247\*; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Malesia.
- Porina platypoda* Müll. Arg. = *Phylloporis platypoda*.
- Porina pocsii** Vezda, Folia Geobot. Phytotax., Praha, 19: 188 (1984). **Descr.:** Vezda 1984: 188\*; **key:** -; **illustr.:** Vezda 1984: 193; **distr.:** Cuba.
- Porina pseudofulvella** Sérus., Lichenologist 11: 182 (1979c). **Descr.:** Sérusiaux 1979c: 182\*; **key:** Sérusiaux 1979c: 184; **illustr.:** Sérusiaux 1979c: 183; Lücking 1992a: 67; **distr.:** Africa, Australia.
- Porina rubentior** (Stirt.) Müll. Arg. **Descr.:** Santesson 1952: 254; **key:** Santesson 1952: 208; Sérusiaux 1979c: 184; **illustr.:** Santesson 1952: 255; Lücking 1992a: 67; **distr.:** all tropics, Caucasus.
- Porina rubrosphaera** R. Sant. **Descr.:** Santesson 1952: 261\*; **key:** Santesson 1952: 208; **illustr.:** Santesson 1952: 261; **distr.:** Chile.
- Porina rufula** (Kremp.) Vain. **Descr.:** Santesson 1952: 249; **key:** Santesson 1952: 208; Sérusiaux 1977: 40; Sérusiaux 1979c: 184; **illustr.:** Santesson 1952: 250; Singh 1971a: 976; Lücking 1992a: 67, 70 (spores); **distr.:** all tropics.
- Porina rugosa** Kalb & Vezda, Nova Hedwigia 55(1-2): 205 (1992). **Descr.:** Kalb & Vezda 1992: 205; **key:** Lücking 1992a: 57; **illustr.:** Kalb & Vezda 1992: 205; Lücking 1992a: 64; **distr.:** Neotropics.
- Porina semecarpi** Vain. **Descr.:** Santesson 1952: 260; **key:** Santesson 1952: 208; **illustr.:** Singh 1971a: 976; **distr.:** Paleotropics, Macaronesia.
- Porina similis** Kalb & Vezda in Vezda & Kalb, Nova Hedwigia 53(1-2): 225 (1991). **Descr.:** Vezda & Kalb 1991: 225\*; **key:** -; **illustr.:** Vezda & Kalb 1991: 221; **distr.:** Australia.
- Porina sphaerocephala** Vain. **Descr.:** Santesson 1952: 265; **key:** Santesson 1952: 208; **illustr.:** Santesson 1952: 265; **distr.:** Paleotropics.
- Porina sphaerocephaloides** Farkas, Lichenologist 19: 54 (1987a). **Descr.:** Farkas 1987a: 54\*; **key:** -; **illustr.:** Farkas 1987a: 55; **distr.:** Africa.
- Porina subpallescens** Vezda, Folia Geobot. Phytotax., Praha, 10: 397 (1975b). **Descr.:** Vezda 1975b: 397\*; **key:** -; **illustr.:** Vezda 1975b: 399; **distr.:** Africa.
- Porina subpilosa* Vezda, Folia Geobot. Phytotax., Praha, 19: 189 (1984) = *Porina fulvella* (see Lücking 1992a: 65).
- Porina subrubrosphaera** Kurok., Journ. Jap. Bot. 33(7): 206 (1958). **Descr.:** Kurokawa 1958: 206\*; **key:** -; **illustr.:** Kurokawa

- 1958: 206; **distr.:** Japan.
- Porina tetramera** (Malme) R. Sant. in Thorold  
**Descr.:** Santesson 1952: 258; **key:** Santesson 1952: 208; **illustr.:** Lücking 1992a: 70 (spores); **distr.:** all tropics.
- Porina thaxteri** R. Sant. **Descr.:** Santesson 1952: 218\*; **key:** Santesson 1952: 208; **illustr.:** Singh 1971a: 976; Lücking 1992a: 61, 62 (spores); **distr.:** Neotropics.
- Porina trichothelioides** R. Sant. **Descr.:** Santesson 1952: 227\*; **key:** Santesson 1952: 208; Sérusiaux 1977: 40; **illustr.:** Singh 1971a: 976; **distr.:** Africa.
- Porina uluguruensis** Vezda, Folia Geobot. Phytotax., Praha, 10: 398 (1975b). **Descr.:** Vezda 1975b: 398\*; **key:** -; **illustr.:** Vezda 1975b: 395; **distr.:** Africa.
- Porina umbilicata** (Müll. Arg.) F. Schill. **Descr.:** Santesson 1952: 219; **key:** Santesson 1952: 208; **illustr.:** Lücking 1992a: 62 (spores); **distr.:** Costa Rica.
- Porina verruculosa** Müll. Arg. **Descr.:** Santesson 1952: 230; **key:** Santesson 1952: 208; **illustr.:** -; **distr.:** Neotropics.
- Porina vezdae** Lücking, Nova Hedwigia 52(3-4): 285 (1991). **Descr.:** Lücking 1991: 285\*; **key:** Lücking 1992a: 56; **illustr.:** Lücking 1991: 284, 286; Lücking 1992a: 67, 70 (spores); **distr.:** Costa Rica.
- Porina virescens** (Kremp.) Müll. Arg. **Descr.:** Santesson 1952: 241; **key:** Santesson 1952: 208; **illustr.:** Santesson 1952: 242; **distr.:** SE Asia and Australasia.
- PORINULA** Vezda, Folia Geobot. Phytotax., Praha, 10: 399 (1975b). **Type species:** *Porinula tanzanica* Vezda. **Descr.:** Vezda 1975b: 399\*; **key:** Aptroot 1991a: 267-273.
- Porinula tanzanica** Vezda, Folia Geobot. Phytotax., Praha, 10: 400 (1975b). **Descr.:** Vezda 1975b: 400\*; **key:** -; **illustr.:** Vezda 1975b: 401 (undertext misplaced, on p. 403); **distr.:** Africa.
- PSATHYROMYCES** Bat. & Peres, Anais Congr. Soc. bot. Brasil, XIV: 95 ((1963)1964). **Type species:** *Psathyromyces rosacearum* Bat. & Peres. **Descr.:** Batista & Peres (1963)1964: 95\*; **key:** -.
- Psathyromyces rosacearum** Bat. & Peres, Anais Congr. Soc. bot. Brasil, XIV: 96 ((1963)1964). **Descr.:** Batista & Peres (1963)1964: 96\*; **key:** -; **illustr.:** Batista & Peres (1963)1964: 102; **distr.:** Brazil.
- PSEUDOGYALECTA** Vezda, Folia Geobot. Phytotax., Praha, 10: 408 (1975b). **Type species:** *Pseudogyalecta verrucosa* Vezda. **Descr.:** Vezda 1975b: 408\*; **key:** Vezda 1975b: 410.
- Pseudogyalecta verrucosa** Vezda, Folia Geobot. Phytotax., Praha, 10: 408 (1975b). **Descr.:** Vezda 1975b: 408\*; **key:** -; **illustr.:** Vezda 1975b: 409; **distr.:** Africa.
- PSOROTHECIOPSIS** Rehm em. R. Sant., Hedwigia, Dresden, 39: 217 (1900). **Descr.:** Santesson 1952: 331; **key:** Santesson 1952: 54.
- Psorotheciopsis albomaculans* (Rehm) R. Sant. = *Linhartia albomaculans*.
- Psorotheciopsis patellarioides* (Rehm) R. Sant. = *Linhartia patellarioides*.
- Psorotheciopsis premneella** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 334; Vezda 1974: 175; **key:** Santesson 1952: 333; **illustr.:** Santesson 1952: 334; Vezda 1974: 175; Lücking 1992a: 95, 96 (spores); **distr.:** Neotropics, Africa.
- PYCNOCILIOSPORA** Bat. in Batista et al., Publções Inst. Micol. Recife, 251: 6 (1962). **Type species:** *Pycnociliospora belluciae* Bat. & J. A. Lima in Batista et al. **Descr.:** Batista et al. 1962: 6\*; **key:** -.
- Pycnociliospora belluciae** Bat. & J. A. Lima in Batista et al., Publções Inst. Micol. Recife, 251: 8 (1962). **Descr.:** Batista et al. 1962: 8\*; **key:** -; **illustr.:** Batista et al. 1962: 10-11; **distr.:** Brazil.
- Pycnociliospora caesalpiniifolii** Bat. & J. A. Lima in Batista et al., Publções Inst. Micol. Recife, 251: 12 (1962). **Descr.:** Batista et al. 1962: 12\*; **key:** -; **illustr.:** Batista et al. 1962: 14; **distr.:** Brazil.
- Pycnociliospora crescentiae** Bat. & Taltasse in Batista et al., Publções Inst. Micol. Recife, 251: 15 (1962). **Descr.:** Batista et al. 1962: 15\*; **key:** -; **illustr.:** Batista et al. 1962: 18; **distr.:** Brazil.
- Pycnociliospora crescentiae** Bat. & Taltasse var. *microcarpa* Bat. & Taltasse in Batista et al., Publções Inst. Micol. Recife,

- 251: 19 (1962). **Descr.:** Batista et al. 1962: 19\*; **key:** -; **illustr.:** Batista et al. 1962: 22; **distr.:** Brazil.
- PYRENOTRICHUM** Mont., Ann Sci. nat., Ser. 2, 20: 376 (1843) **Type species:** *Pyrenotrichum splitgerberi* Mont. **Descr.:** Montagne 1843: 376\*; **key:** -.
- Pyrenotrichum splitgerberi** Mont., Ann Sci. nat., Ser. 2, 20: 377 (1843). **Descr.:** Montagne 1843: 377\*; **key:** Santesson 1952: 41; **illustr.:** Malme 1935: 303, as *Lopadium perpallidum*; **distr.:** -. **Remark:** The name refers to structures which are presently supposed to be conidia-producing organs (campylidia) occurring frequently in the family Ectolechiaceae (cf. Vezda 1986). Very similar ones can be found on a variety of taxa, according to Santesson (1952: 40), who considered it as a parasitic fungus.
- PYRIOMYCES** Bat. & H. Maia, Atas Inst. Micol. 2: 369 (1965a). **Type species:** *Pyriomyces protii* Bat. & H. Maia. **Descr.:** Batista & Maia 1965a: 369\*; **key:** -.
- Pyriomyces protii** Bat. & H. Maia, Atas Inst. Micol. 2: 369 (1965a). **Descr.:** Batista & Maia 1965a: 369\*; **key:** -; **illustr.:** Batista & Maia 1965a: 372; **distr.:** Brazil. **Remark:** Sérusiaux (1992: 42) suggests that *Pyriomyces protii* is probably a synonym of a *Fellhanera* or *Byssoloma* species.
- PYRIPNOMYCES** Cavalc. in Cavalcante et al., Publções Inst. Micol. Recife, 647: 20 (1972b). **Type species:** *Pyripnomycetes maranhensis* Cavalc. in Cavalcante et al. **Descr.:** Cavalcante et al. 1972b: 20\*; **key:** -.
- Pyripnomycetes maranhensis** Cavalc. in Cavalcante et al., Publções Inst. Micol. Recife, 647: 22 (1972b). **Descr.:** Cavalcante et al. 1972b: 22\*; **key:** -; **illustr.:** Cavalcante et al. 1972b: 24; **distr.:** Brazil.
- RACIBORSKIELLA** Höhn., Sitz.ber. Math.-Nat. Kl. Akad. Wiss. Wien, ser. 1, 118: 1176 (1909). **Descr.:** Santesson 1952: 194; **key:** Santesson 1952: 54. **Remark:** Lücking (1992a: 49) suggests that *Raciborskiella* should be kept separately from *Strigula* because the former is characterized by branched and slightly anastomosing paraphyses, and grows on the lower side of the leaves.
- Raciborskiella janeirensis** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 196; **key:** Santesson 1952: 195; **illustr.:** Santesson 1952: 196; Lücking 1992a: 50, 52 (spores); **distr.:** all tropics.
- Raciborskiella minor** Vezda, Folia Geobot. Phytotax., Praha, 18: 49 (1983). **Descr.:** Vezda 1983: 49\*; **key:** Lücking 1992a: 51; **illustr.:** Vezda 1983: 51; Lücking 1992a: 52 (spores); **distr.:** Caucasus, Costa Rica.
- Raciborskiella parva** L. Xavier, Acta Amazon. 5: 141 (1975). **Descr.:** Xavier Filho 1975: 141\*; **key:** -; **illustr.:** Xavier Filho 1975: 141; **distr.:** Amazonia.
- Raciborskiella prasina** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 198; **key:** Santesson 1952: 195; **illustr.:** Santesson 1952: 198; Lücking 1992a: 52 (spores); **distr.:** all tropics.
- ROCELLINASTRUM** Follmann, Nova Hedwigia 14(2-3): 243 (1967). **Descr.:** Henssen et al. 1982: 588; **key:** -.
- Roccellinastrum epiphyllum** Henssen & Vobis in Henssen et al., Nord. J. Bot. 2: 592 (1982). **Descr.:** Henssen et al. 1982: 592\*; **key:** Henssen et al. 1982: 590; **illustr.:** Henssen et al. 1982: 593 **distr.:** Central Chile.
- Roccellinastrum flavescens** Kantvilas, Lichenologist 22: 81 (1990). **Descr.:** Kantvilas 1990: 81\*; **key:** Kantvilas 1990: 79; **illustr.:** Kantvilas 1990: 81 **distr.:** Tasmania.
- Roccellinastrum lagarostrobi** Kantvilas, Lichenologist 22: 83 (1990). **Descr.:** Kantvilas 1990: 83\*; **key:** Kantvilas 1990: 79; **illustr.:** Kantvilas 1990: 83 **distr.:** Tasmania.
- SCUTOMYCES** J. L. Bezerra & Cavalc. in Cavalcante et al., Publções Inst. Micol. Recife, 675: 9 (1972a). **Type species:** *Scutomyces concentricus* J. L. Bezerra & Cavalc. in Cavalcante et al. **Descr.:** Cavalcante et al. 1972a: 9\*; **key:** -.
- Scutomyces concentricus** J. L. Bezerra & Cavalc. in Cavalcante et al., Publções Inst.

- Micol. Recife, 675: 10 (1972a). **Descr.:** Cavalcante et al. 1972a: 10\*; **key:** -; **illustr.:** Cavalcante et al. 1972a: 17; **distr.:** Brazil.
- SEMIGYALECTA** Vain., Ann. Acad. Sci. Fenn., Helsingfors, ser. A, 15: 153 (1921). **Descr.:** Santesson 1952: 410; **key:** Santesson 1952: 54.
- Semigyalecta paradoxa** Vain. **Descr.:** Santesson 1952: 412; **key:** -; **illustr.:** Santesson 1952: 412; **distr.:** Malesia.
- SEPTORIOMYCES** Cavalc. & A. A. Silva in Cavalcante et al., Publções Inst. Micol. Recife, 647: 9 (1972b). **Type species:** Septoriomyces leguminosae Cavalc. & A. A. Silva in Cavalcante et al. **Descr.:** Cavalcante et al. 1972b: 9\*; **key:** -.
- Septoriomyces leguminosae** Cavalc. & A. A. Silva in Cavalcante et al., Publções Inst. Micol. Recife, 647: 10 (1972b). **Descr.:** Cavalcante et al. 1972b: 10\*; **key:** -; **illustr.:** Cavalcante et al. 1972b: 12; **distr.:** Brazil.
- SPOROCYBOMYCES** H. Maia in Batista & Maia, Atas Inst. Micol. 5: 60 (1967). **Type species:** Sporocybomyces pulcher H. Maia. **Descr.:** Batista & Maia 1967: 60\*; **key:** -.
- Sporocybomyces pulcher** H. Maia in Batista & Maia, Atas Inst. Micol. 5: 61 (1967). **Descr.:** Batista & Maia 1967: 61\*; **key:** -; **illustr.:** Batista & Maia 1967: 69; **distr.:** Brazil.
- SPOROPODIUM** Mont. em. R. Sant., Ann. Sci. Nat. Bot., Paris, ser. 3, 16: 54 (1851). **Descr.:** Santesson 1952: 509; **key:** Santesson 1952: 54; Vezda 1986: 206.
- Sporopodium argillaceum** (Müll. Arg.) Zahlbr. **Descr.:** Santesson 1952: 520; **key:** Santesson 1952: 512; **illustr.:** Santesson 1952: 521; **distr.:** Vietnam, Philippines.
- Sporopodium flavescens** (R. Sant.) Vezda, Lichenes selecti exsiccati, Brno, Fasc. LXXXVIII: 5, no. 2193 (1988). **Basionym:** *Sporopodium phyllocharis* (Mont.) A. Massal. var. *flavescens* R. Sant. in Symb. bot. upsal. 12(1): 518 (1952). **Synonym:** *Sporopodium vezdeanum* Lumbsch & Elix. **Descr.:** Santesson 1952: 518\*, as *Sporopodium phyllocharis* var. *flavescens*; **key:** Santesson 1952: 512, as *Sporopodium phyllocharis* var. *flavescens*; **illustr.:** -; **distr.:** Australia, New Caledonia.
- Sporopodium leprieurii** Mont. **Descr.:** Santesson 1952: 513; **key:** Santesson 1952: 512; **illustr.:** Lücking 1992a: 153, 163, 164; **distr.:** all tropics.
- Sporopodium leprieurii** Mont. var. **citrinum** (Zahlbr.) R. Sant. **Descr.:** Santesson 1952: 515; **key:** Santesson 1952: 512; **illustr.:** -; **distr.:** China, Guatemala.
- Sporopodium phyllocharis** (Mont.) A. Massal. **Descr.:** Santesson 1952: 516; **key:** Santesson 1952: 512; **illustr.:** Santesson 1952: 516; Lücking 1992a: 153, 164; **distr.:** all tropics.
- Sporopodium phyllocharis* (Mont.) A. Massal. var. *flavescens* R. Sant. = *Sporopodium flavescens*.
- Sporopodium vezdeanum* Lumbsch & Elix in Elix et al., Mycotaxon 44: 409 (1992) = *Sporopodium flavescens*.
- Sporopodium xantholeucum** (Müll. Arg.) Zahlbr. **Descr.:** Santesson 1952: 519; **key:** Santesson 1952: 512; **illustr.:** Lücking 1992a: 153; **distr.:** all tropics.
- STEPHOSIA** Bat. & H. Maia, Atas Inst. Micol. 5: 56 (1967) = PHYLLOPHIALE. **Type species:** *Stephosia protii* Bat. & H. Maia = *Phyllophiale alba* (according to Farkas, in prep.).
- Stephosia protii* Bat. & H. Maia, Atas Inst. Micol. 5: 57 (1967) = *Phyllophiale alba* (according to Farkas, in prep.).
- STIRTONIA** A. L. Sm., Trans. Brit. Mycol. Soc., Cambridge, 11: 195 (1926). **Descr.:** Santesson 1952: 59; **key:** Santesson 1952: 54.
- Stirtonia macrocephala** R. Sant. **Descr.:** Santesson 1952: 61\*; **key:** Santesson 1952: 60; **illustr.:** Santesson 1952: 62; **distr.:** Malesia.
- Stirtonia sprucei** R. Sant. **Descr.:** Santesson 1952: 60\*; **key:** Santesson 1952: 60; **illustr.:** Santesson 1952: 61; **distr.:** Neotropics.
- STRIGULA** Fr., Syst. Myc., Greifswald, 2: 535 (1823). **Synonym:** *DISCOSIELLA* Syd. & P. Syd. **Descr.:** Santesson 1952: 138;



**key:** Santesson 1952: 54.

**Strigula antillarum** (Fée) Müll. Arg., Bot. Jahrb. Syst., Leipzig, 6: 379 (1885) (Reinstatement in Lücking 1991: 273). **Basionym:** *Melanophthalmum antillarum* Fée in Essai Crypt. Écorc. Exot. Off., Paris, 1: XCIV, C (1824). **Synonym:** *Strigula elegans* var. *antillarum* (Fée) R. Sant. **Descr.:** Santesson 1952: 172, as *Strigula elegans* var. *antillarum*; Lücking 1991: 273; **key:** Lücking 1992a: 39; **illustr.:** Santesson 1952: 173, as *Strigula elegans* var. *antillarum*; Lücking 1991: 277; Lücking 1992a: 42, 46 (spores); **distr.:** all tropics.

*Strigula complanata* (Fée) Mont. = *Strigula orbicularis*.

**Strigula concreta** (Fée) R. Sant. **Descr.:** Santesson 1952: 177; **key:** Santesson 1952: 147; **illustr.:** Santesson 1952: 177; Lücking 1992a: 46 (spores), 48; **distr.:** all tropics.

*Strigula elegans* (Fée) Müll. Arg. = *Strigula smaragdula*.

*Strigula elegans* (Fée) Müll. Arg. var. *antillarum* (Fée) R. Sant. in Thorold = *Strigula antillarum*.

*Strigula elegans* (Fée) Müll. Arg. var. *stellata* (Nyl. & Cromb.) R. Sant. in Thorold = *Strigula smaragdula* var. *stellata*.

**Strigula graminicola** R. Sant. **Descr.:** Santesson 1952: 157\*; **key:** Santesson 1952: 147; **illustr.:** -; **distr.:** Java.

**Strigula macrocarpa** Vain. **Descr.:** Santesson 1952: 174; **key:** Santesson 1952: 147; **illustr.:** Lücking 1992a: 44, 46 (spores); **distr.:** Africa, Malesia, Queensland.

**Strigula maculata** (Cooke & Masee) R. Sant. **Descr.:** Santesson 1952: 187; **key:** Santesson 1952: 147; **illustr.:** Santesson 1952: 187; Lücking 1992a: 50; **distr.:** all tropics.

**Strigula melanobapha** (Kremp.) R. Sant. **Descr.:** Santesson 1952: 189; **key:** Santesson 1952: 147; **illustr.:** Santesson 1952: 189; **distr.:** all tropics.

**Strigula microspora** Lücking, Nova Hedwigia 52(3-4): 275 (1991). **Descr.:** Lücking 1991: 275\*; **key:** -; **illustr.:** Lücking 1991: 276, 278; Lücking 1992a: 46 (spores), 48; **distr.:** Costa Rica.

**Strigula nemathora** Mont. **Descr.:** Santesson

1952: 149; **key:** Santesson 1952: 147; **illustr.:** Santesson 1952: 150, 151; Lücking 1992a: 42, 46 (spores); **distr.:** all tropics.

**Strigula nemathora** Mont. var. **hypothelia** (Nyl.) R. Sant. **Descr.:** Santesson 1952: 156; **key:** Santesson 1952: 147; **illustr.:** Lücking 1992a: 42; **distr.:** all tropics.

**Strigula nemathora** Mont. var. **pulchella** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 155; **key:** Santesson 1952: 147; **illustr.:** Santesson 1952: 155; Lücking 1992a: 42; **distr.:** Neotropics.

**Strigula nitidula** Mont. **Descr.:** Santesson 1952: 180; **key:** Santesson 1952: 147; **illustr.:** Lücking 1992a: 48; **distr.:** all tropics.

**Strigula orbicularis** Fr. (sanctioned by Fries, ICBN Art. 13.1d) **Synonym:** *Strigula complanata* (Fée) Mont. **Descr.:** Santesson 1952: 191, as *Strigula complanata*; **key:** Santesson 1952: 147, as *Strigula complanata*; **illustr.:** Santesson 1952: 191, as *Strigula complanata*; Lücking 1992a: 46 (spores), 50, as *S. complanata*; **distr.:** all tropics.

**Strigula schizospora** R. Sant. **Descr.:** Santesson 1952: 175\*; **key:** Santesson 1952: 147; **illustr.:** Santesson 1952: 176; Lücking 1992a: 46 (spores), 48; **distr.:** Neotropics, Africa.

**Strigula smaragdula** Fr. (sanctioned by Fries, ICBN Art. 13.1d) **Synonym:** *Strigula elegans* (Fée) Müll. Arg. **Descr.:** Santesson 1952: 162, as *Strigula elegans*; **key:** Santesson 1952: 147, as *Strigula elegans*; **illustr.:** Santesson 1952: 161, 163, as *Strigula elegans*; Lücking 1992a: 44, 46 (spores), as *S. elegans*; **distr.:** all tropics.

**Strigula smaragdula** Fr. var. **stellata** (Nyl. & Cromb.) Farkas comb. nov. **Basionym:** *Strigula complanata* var. *stellata* Nyl & Cromb. ex Ward, Trans. Linn. Soc. London, ser. 2, 2: 114, footnote (1883). **Descr.:** Santesson 1952: 171, as *Strigula elegans* var. *stellata*; **key:** Santesson 1952: 147, as *Strigula elegans* var. *stellata*; **illustr.:** Santesson 1952: 171, as *Strigula elegans* var. *stellata*; Lücking 1992a: 44, as *S. elegans* var. **distr.:** Africa, Ceylon. **Remark:** This variety is treated by Lücking

(1992a: 45), therefore it seems desirable to have it available in combination with the epithet smaragdula.

**Strigula subelegans** Vain. **Descr.:** Santesson 1952: 158; **key:** Santesson 1952: 147; **illustr.:** Santesson 1952: 158; **distr.:** all tropics.

**Strigula subtilissima** (Fée) Müll. Arg. **Descr.:** Santesson 1952: 183; **key:** Santesson 1952: 147; **illustr.:** Santesson 1952: 184; Lücking 1992a: 46 (spores), 50; **distr.:** all tropics.

**Strigula xylopieae** Bat. & Cavalc., Anais Congr. Soc. bot. Brasil, XIII: 472 ((1962)1964). **Descr.:** Batista & Cavalcanti 1964a: 472\*; **key:** -; **illustr.:** Batista & Cavalcanti 1964a: 473; **distr.:** Brazil.

**TAPELLARIA** Müll. Arg. em. R. Sant., Lich. Epiph. Novi, Genève, p. 11 (1890). **Descr.:** Santesson 1952: 494; **key:** Santesson 1952: 54; Vezda 1986: 206.

**Tapellaria bilimbioides** R. Sant. **Descr.:** Santesson 1952: 498\*; **key:** Santesson 1952: 497; **illustr.:** Lücking 1992a: 155 (spores); **distr.:** all tropics.

**Tapellaria bilimbioides** R. Sant. var. **maior** Lücking, Nova Hedwigia 52(3-4): 300 (1991). **Descr.:** Lücking 1991: 300\*; **key:** Lücking 1992a: 151; **illustr.:** Lücking 1991: 302; Lücking 1992a: 155 (spores); **distr.:** Costa Rica.

**Tapellaria epiphylla** (Müll. Arg.) R. Sant. in Thorold. **Descr.:** Santesson 1952: 505; **key:** Santesson 1952: 497; **illustr.:** Lücking 1992a: 152 (ascus), 153, 155 (spores), 164; **distr.:** Neotropics, Africa, Hawaii.

**Tapellaria malmei** R. Sant. **Descr.:** Santesson 1952: 502\*; **key:** Santesson 1952: 497; **illustr.:** -; **distr.:** Brazil.

**Tapellaria molleri** (Henriq.) R. Sant. in Thorold. **Descr.:** Santesson 1952: 501-502; **key:** Santesson 1952: 497; **illustr.:** Santesson 1952: 501; Lücking 1992a: 155 (spores); **distr.:** Neotropics, Africa.

**Tapellaria nana** (Fée) R. Sant. **Descr.:** Santesson 1952: 507; **key:** Santesson 1952: 497; **illustr.:** Santesson 1952: 508; Lücking 1992a: 153, 155 (spores); **distr.:** Neotropics, Hawaii.

**Tapellaria nigrata** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 499; Sérusiaux 1984a: 303; **key:** Santesson 1952: 497; **illustr.:** Lücking 1992a: 155 (spores); Barillas & Lücking 1992: 312 (spores); **distr.:** all tropics.

**Tapellaria phyllophila** (Stirt.) R. Sant. in Thorold. **Descr.:** Santesson 1952: 503; **key:** Santesson 1952: 497; **illustr.:** Lücking 1992a: 155 (spores); **distr.:** all tropics.

**Tapellaria puiggarii** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 500; **key:** Santesson 1952: 497; **illustr.:** -; **distr.:** Neotropics.

**TAUROMYCES** Cavalc. & A. A. Silva in Cavalcante et al., Publções Inst. Micol. Recife, 647: 35 (1972b) = **GYALECTIDIUM**. **Type species:** *Tauromyces catenulatus* Cavalc. & A. A. Silva in Cavalcante et al. = *Gyalectidium filicinum*.

*Tauromyces catenulatus* Cavalc. & A. A. Silva in Cavalcante et al., Publções Inst. Micol. Recife, 647: 37 (1972b) = *Gyalectidium filicinum* (see Sérusiaux 1992: 42).

**THELENELLA** Nyl., Mém. Soc. Sci. Nat., Cherbourg, 3: 193 (1855). **Descr.:** Mayrhofer 1987: 11; **key:** -.

**Thelenella fusispora** Vezda & H. Mayrhofer in Mayrhofer, Bibl. Lichenol. 26: 134 (1987). **Descr.:** Mayrhofer 1987: 34\*; **key:** Mayrhofer 1987: 23; **illustr.:** Mayrhofer 1987: 35, pl. 41; **distr.:** East Africa (on *Sansevieria*).

**THELOTREMA** Ach., Meth. Lich., Stockholm, p. 130 (1803). **Descr.:** -; **key:** -.

*Thelotrema coccineum* (Leight.) Hale, Bull. Br. Mus. nat. Hist. (Bot.) 8(3): 253 (1981) = *Chroodiscus coccineus*.

**TRICHARIA** Fée em. R. Sant., Essai Crypt. Écorc. Exot. Off., Paris, 1: LXXXVII, XCVIII, CII (1825). **Descr.:** Santesson 1952: 376; Vezda & Poelt 1987: 194; **key:** Santesson 1952: 54; Vezda 1979a: 51; Vezda & Poelt 1987: 183.

**Tricharia albostrigosa** R. Sant. **Descr.:** Santesson 1952: 388\*; **key:** Santesson 1952: 380; Vezda 1979a: 71; Sérusiaux 1984b: 113; Kalb & Vezda 1988b: 56; **illustr.:** Santesson 1952: 388; Lücking 1992a:

- 115; Barillas & Lücking 1992: 308; **distr.:** all tropics.
- Tricharia armata** Vezda, Folia Geobot. Phytotax., Praha, 10: 404 (1975b). **Descr.:** Vezda 1975b: 404\*; **key:** Vezda 1979a: 71; Sérusiaux 1984b: 113; Kalb & Vezda 1988b: 56; **illustr.:** Vezda 1975b: 405; **distr.:** Africa.
- Tricharia aulaxinoides** Kalb & Vezda, Bibl. Lichenol. 29: 59 (1988b). **Descr.:** Kalb & Vezda 1988b: 59\*; **key:** Kalb & Vezda 1988b: 56; **illustr.:** Kalb & Vezda 1988b: Abb. 28; **distr.:** Brazil (Minas Gerais, São Paulo).
- Tricharia carnea** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 385; **key:** Santesson 1952: 380; Vezda 1979a: 71; Sérusiaux 1984b: 113; Kalb & Vezda 1988b: 56; **illustr.:** Santesson 1952: 386; Lücking 1992a: 115, 118 (spores); **distr.:** Neotropics, Vietnam, New Guinea.
- Tricharia cubana** Vezda, Folia Geobot. Phytotax., Praha, 19: 198 (1984). **Descr.:** Vezda 1984: 198\*; **key:** Kalb & Vezda 1988b: 56; **illustr.:** Vezda 1984: 199; **distr.:** Cuba.
- Tricharia cuneata** L. I. Ferraro & Vezda, Bonplandia 6(2): 112 (1989). **Descr.:** Ferraro & Vezda 1989: 112\*; **key:** -; **illustr.:** Ferraro & Vezda 1989: 114; **distr.:** Argentina.
- Tricharia demoulinii** Sérus., Mycologia 76: 109 (1984b). **Descr.:** Sérusiaux 1984b: 109\*; **key:** Sérusiaux 1984b: 113; **illustr.:** Sérusiaux 1984b: 109; **distr.:** New Guinea.
- Tricharia dilatata** Vezda, Acta Mus. Silesiae, Opava, ser. A, 22: 87 (1973). **Descr.:** Vezda 1973: 87\*; **key:** Vezda 1979a: 71; Sérusiaux 1984b: 113; Kalb & Vezda 1988b: 56; **illustr.:** Vezda 1973: 81; Lücking 1992a: 115, 118 (spores); **distr.:** Africa, Cuba.
- Tricharia elegans** Sérus., Mycologia 76: 110 (1984b). **Descr.:** Sérusiaux 1984b: 110\*; **key:** Sérusiaux 1984b: 113; **illustr.:** Sérusiaux 1984b: 111; **distr.:** New Guinea.
- Tricharia farinosa** R. Sant. **Descr.:** Santesson 1952: 387\*; **key:** Santesson 1952: 380; Vezda 1979a: 71; Sérusiaux 1984b: 113; Kalb & Vezda 1988b: 56; **illustr.:** Barillas & Lücking 1992: 308; **distr.:** Brazil, Guatemala.
- Tricharia helminthospora** R. Sant. **Descr.:** Santesson 1952: 381\*; **key:** Santesson 1952: 380; Vezda 1979a: 71; Sérusiaux 1984b: 113; **illustr.:** Santesson 1952: 382; **distr.:** Malesia, Africa.
- Tricharia hyalina** Kalb & Vezda, Bibl. Lichenol. 29: 65 (1988b). **Descr.:** Kalb & Vezda 1988b: 65\*; **key:** Kalb & Vezda 1988b: 56; **illustr.:** Kalb & Vezda 1988b: Abb. 33; **distr.:** Brazil (Amazonas, São Paulo).
- Tricharia lancicarpa** Kalb & Vezda, Bibl. Lichenol. 29: 67 (1988b). **Descr.:** Kalb & Vezda 1988b: 67\*; **key:** Kalb & Vezda 1988b: 56; **illustr.:** Kalb & Vezda 1988b: Abb. 34; **distr.:** Brazil (Rio de Janeiro).
- Tricharia longispora** Kalb & Vezda, Bibl. Lichenol. 29: 68 (1988b). **Descr.:** Kalb & Vezda 1988b: 68\*; **key:** Kalb & Vezda 1988b: 56; **illustr.:** Kalb & Vezda 1988b: Abb. 35; **distr.:** Brazil (São Paulo), Guatemala.
- Tricharia novoguineensis** Sérus., Mycologia 76: 112 (1984b). **Descr.:** Sérusiaux 1984b: 112\*; **key:** Sérusiaux 1984b: 113; **illustr.:** Sérusiaux 1984b: 111; **distr.:** New Guinea.
- Tricharia pallida** Vezda, Folia Geobot. Phytotax., Praha, 14: 73 (1979a). **Descr.:** Vezda 1979a: 73\*; **key:** Vezda 1979a: 71; Sérusiaux 1984b: 113; **illustr.:** Vezda 1979a: 91; **distr.:** Africa.
- Tricharia paradoxa** Lücking, Nova Hedwigia 52(3-4): 295 (1991). **Descr.:** Lücking 1991: 295\*; **key:** Lücking 1992a: 114; **illustr.:** Lücking 1991: 296, 297; Lücking 1992a: 115, 118 (spores); **distr.:** Costa Rica.
- Tricharia plana** Vezda, Folia Geobot. Phytotax., Praha, 14: 74 (1979a). **Descr.:** Vezda 1979a: 74\*; Vezda & Kalb 1991: 227; **key:** Vezda 1979a: 71; Sérusiaux 1984b: 113; **illustr.:** Vezda 1979a: 91; **distr.:** Africa, Australia.
- Tricharia santessoniana** Kalb & Vezda, Bibl. Lichenol. 29: 70 (1988b). **Descr.:** Kalb & Vezda 1988b: 70\*; **key:** Kalb & Vezda 1988b: 56; **illustr.:** Kalb & Vezda 1988b: Abb. 36; **distr.:** Brazil (Amazonas).

- Tricharia santessonii** D. Hawksw., Lichenologist 5: 321 (1972). **Descr.:** Hawksworth 1972: 321\*; Sérusiaux 1979b: 88; **key:** Vezda 1979a: 71; Sérusiaux 1984b: 113; Kalb & Vezda 1988b: 56; **illustr.:** Hawksworth 1972: 321; Lücking 1992a: 115, 118 (spores); **distr.:** USA, Hongkong.
- Tricharia similis** Vezda, Folia Geobot. Phytotax., Praha, 14: 75 (1979a). **Descr.:** Vezda 1979a: 75\*; **key:** Vezda 1979a: 71; Sérusiaux 1984b: 113; **illustr.:** Vezda 1979a: 93; **distr.:** Africa.
- Tricharia substipitata** Vezda, Folia Geobot. Phytotax., Praha, 14: 75 (1979a). **Descr.:** Vezda 1979a: 75\*; **key:** Vezda 1979a: 71; Sérusiaux 1984b: 113; **illustr.:** Vezda 1979a: 92; **distr.:** Africa.
- Tricharia triseptata** R. Sant. **Descr.:** Santesson 1952: 380\*; **key:** Santesson 1952: 380; Kalb & Vezda 1988b: 56; Vezda 1979a: 71; Sérusiaux 1984b: 113; **illustr.:** -; **distr.:** Neotropics, Africa.
- Tricharia urceolata** (Müll. Arg.) R. Sant. **Descr.:** Santesson 1952: 384; **key:** Santesson 1952: 380; Vezda 1979a: 71; Sérusiaux 1984b: 113; Kalb & Vezda 1988b: 56; **illustr.:** Santesson 1952: 384; Lücking 1992a: 115; **distr.:** Neotropics, Africa.
- Tricharia vainioi** R. Sant. **Descr.:** Santesson 1952: 382\*; **key:** Santesson 1952: 380; **illustr.:** Lücking 1992a: 115; **distr.:** all tropics, mainly tropical Africa and Asia.
- Tricharia vulgaris* (Müll. Arg.) R. Sant. = *Actinoplaca vulgaris*.
- TRICHOTHELIUM** Müll. Arg. em. R. Sant., Bot. Jahrb. Syst., Leipzig, 6: 418 (1885). **Descr.:** Santesson 1952: 266; **key:** Santesson 1952: 54.
- Trichothelium alboatrum** Vain. **Descr.:** Santesson 1952: 271; **key:** Santesson 1952: 270; **illustr.:** Santesson 1952: 271; Lücking 1992a: 72, 74 (spores); **distr.:** all tropics.
- Trichothelium album** Lücking, Nova Hedwigia 52(3-4): 287 (1991). **Descr.:** Lücking 1991: 287\*; **key:** Lücking 1992a: 71, 74 (spores); **illustr.:** Lücking 1991: 288, 290; Lücking 1992a: 72; **distr.:** Costa Rica.
- Trichothelium amazonense** J. L. Bezerra & Cavalc. in Bezerra et al., Brotéria 39: 222 (1970). **Descr.:** Bezerra et al. 1970: 222\*; **key:** Lücking 1992a: 71; **illustr.:** Bezerra et al. 1970: 222; Lücking 1992a: 72, 74 (spores); **distr.:** Brasil, Costa Rica, Guatemala.
- Trichothelium annulatum** (Karst.) R. Sant. **Descr.:** Santesson 1952: 276; **key:** Santesson 1952: 270; **illustr.:** Lücking 1992a: 72, 74 (spores); **distr.:** all tropics.
- Trichothelium asplundii** R. Sant. **Descr.:** Santesson 1952: 277\*; **key:** Santesson 1952: 270; **illustr.:** -; **distr.:** Ecuador.
- Trichothelium brasiliense** J. L. Bezerra & L. Xavier in Bezerra et al., Brotéria 39: 227 (1970). **Descr.:** Bezerra et al. 1970: 227\*; **key:** -; **illustr.:** Bezerra et al. 1970: 227; **distr.:** Brazil.
- Trichothelium daryi** Barillas & Lücking, Cryptogamie, Bryol. Lichénol. 13(4): 304 (1992). **Descr.:** Barillas & Lücking 1992: 304\*; **key:** -; **illustr.:** Barillas & Lücking 1992: 303, 305; **distr.:** Guatemala.
- Trichothelium epiphyllum** Müll. Arg. **Descr.:** Santesson 1952: 273; **key:** Santesson 1952: 270; **illustr.:** Santesson 1952: 273; Lücking 1992a: 72; **distr.:** all tropics.
- Trichothelium epiphyllum** Müll. Arg. var. **minutum** Lücking, Nova Hedwigia 52(3-4): 289 (1991). **Descr.:** Lücking 1991: 289\*; **key:** -; **illustr.:** Lücking 1991: 288; Lücking 1992a: 72, 74 (spores); **distr.:** Costa Rica.
- Trichothelium longisporum** Lücking, Nova Hedwigia 52(3-4): 289 (1991). **Descr.:** Lücking 1991: 289\*; **key:** Lücking 1992a: 71; **illustr.:** Lücking 1991: 290, 291; Lücking 1992a: 72, 74 (spores); **distr.:** Costa Rica.
- Trichothelium minus** Vain. **Descr.:** Santesson 1952: 270; **key:** Santesson 1952: 270; **illustr.:** Lücking 1992a: 72, 74 (spores); **distr.:** Neotropics, Australia.
- Trichothelium rubescens** Lücking, Nova Hedwigia 52(3-4): 287 (1991). **Descr.:** Lücking 1991: 287\*; **key:** Lücking 1992a: 71; **illustr.:** Lücking 1991: 288, 290; Lücking 1992a: 72, 74 (spores); **distr.:** Costa Rica, Guatemala.
- VEZDAEA** Tscherm.-Woess & Poelt em. Kalb & Vezda in Brown et al. (eds), Lichenology: Progress and Problems, Academic Press, London, p. 91 (1976). **Descr.:** Poelt & Döbbeler, Bot. Jahrb. Syst. 96: 329-334 (1975), Tschermak-Woess & Poelt in Brown et al. 1976: 91\*, Kalb & Vezda 1992: 208; **key:** -.
- Vezdaea foliicola** Sérus., Mycotaxon 8: 136 (1979a). **Descr.:** Sérusiaux 1979a: 136\*; **key:** -; **illustr.:** Sérusiaux 1979a: 137; Barillas & Lücking 1992: 310; **distr.:** Cuba, Brazil, Guatemala, Africa.
- Vezdaea polyspora** Kalb & Vezda, Nova Hedwigia 55(1-2): 206 (1992). **Descr.:** Kalb





