
Checklist of Calicioid Lichens and Fungi
For Genera with Members in Temperate
Western North America
Draft: 2012-03-13

by E. B. Peterson



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Calicium abietinum, EBP#4640

Genera

Acroscyphus Lév.***Brucea*** Rikkinen***Calicium*** Pers.***Chaenotheca*** Th. Fr.***Chaenothecopsis*** Vainio*Coniocybe* Ach. = *Chaenotheca***"Cryptocalicium"** - potentially undescribed genus; taxonomic placement is not known but there are resemblances both to Mycocaliciales and Onygenales*Cybebe* Tibell = *Chaenotheca****Cyphelium*** Ach.***Microcalicium*** Vainio***Mycocalicium*** Vainio***Phaeocalicium*** A.F.W. Schmidt***Sclerophora*** Chevall.***Sphinctrina*** Fr.***Stenocybe*** (Nyl.) Körber***Texosporium*** Nád. ex Tibell & Hofsten***Thelomma*** A. Massal.***Tholurna*** NormanAdditional genera are primarily tropical, such as *Pyrgillus*, *Tylophoron*

About the Species lists

Names in bold are believed to be currently valid names. Old synonyms are indented and listed with the current name following (additional synonyms can be found in [Esslinger \(2011\)](#). Names in quotes are nicknames for undescribed species. Names given within tildes (~) are published, but may not be validly published.

Underlined species are included in the checklist for North America north of Mexico ([Esslinger 2011](#)).

Names are given with authorities and original citation date where possible, followed by a colon. Additional citations are given after the colon, followed by a series of abbreviations for states and regions where known. States and provinces use the standard two-letter abbreviation. Regions include: NAm = North America; WNA = western North America (west of the continental divide); Klam = Klamath Region (my home territory). For those not known from North America, continental distribution may be given: SAm = South America; EUR = Europe; ASIA = Asia; Afr = Africa; Aus = Australia. Areas given in parentheses are tentative and not formally reported. In parentheses and underlined indicates that while not formally reported, at least one very good specimen is known to exist.

* = no yet in my keys

Acroscyphus Lév.

Acroscyphus sphaerophoroides Lév.: Tibell 98; Goward 94; Joneson & Glew 03. NAm, BC, WA

Brucea Rikkinen

Brucea castoris Rikkinen (2003): Rikkinen 2003

Calicium Pers.

Calicium abietinum Pers.:

Calicium adaequatum Nyl.:

Calicium adpersum Pers.:

Calicium adpersum ssp. *australe*:

Calicium chlorosporum F. Wilson:

Calicium constrictum:

Calicium corynellum (Ach.) Ach.:

Calicium denigratum:

Calicium diploellum:

Calicium glaucellum Ach.:

Calicium hyperelloides Nyl.:

* *Calicium indicum* Tibell: Tibell 06. Asia.

Calicium isabellinum Tibell: (1998)

* *Calicium laevigatum* Tibell: Tibell 06. Asia.

Calicium lenticulare Ach.:

Calicium leucochlorum Tuck.:

Calicium "mccuneii": may be just colorless *C. viride*

Calicium montanum Tibell: (1999), Tibell (Kolb & Spribille 2001)

* *Calicium muriformis* Tibell: Tibell & Thor 03. Asia.

* *Calicium nobile* Tibell: Tibell 06. Asia.

Calicium parvum Tibell: (1975)

Calicium pinastri Tibell: (1999)

* *Calicium pluriseptatum*: Tibell & Frisch 2010. Afr

* *Calicium pyriforme* Tibell: Tibell 06. Asia.

Calicium quercinum Pers.:

Calicium robustellum:

Calicium salicinum Pers.:

Calicium sequoiae C. Williams & Tibell: (Williams & Tibell 2008):

* *Calicium tenuisporum* Tibell: Tibell 06. Asia.

Calicium trabinellum (Ach.) Ach.:

Calicium tricolor:

* *Calicium verrucosum* Tibell: Tibell 06. Asia.

Calicium victorianum ssp. *victorianum*: Aguirre-Hudson et al 07

Calicium victorianum ssp. *desidiosum*:

Calicium viride Pers.:

Chaenotheca Th. Fr.*Chaenotheca australis* Tibell:*Chaenotheca brachypoda* (Ach.) Tibell:*Chaenotheca brunneola* (Ach.) Müll. Arg.:*Chaenotheca carthusiae* (Harm.) Lettau = *C. chlorella**Chaenotheca chlorella* (Ach.) Müll. Arg.: see T87, T96*Chaenotheca chrysocephala* (Turner ex Ach.) Th. Fr.:*Chaenotheca cinerea* (Pers.) Tibell:*Chaenotheca citrocephala* (F. Wilson) Tibell:*Chaenotheca coniophaea* = *Sclerophora coniophaea**Chaenotheca degelii* = *C. olivaceorufa**Chaenotheca confusa* Tibell:*Chaenotheca deludens* Tibell: in T87*Chaenotheca ferruginea* (Turner ex Ach.) Mig.:* *Chaenotheca floridana* R. C. Harris: (Harris 1995)*Chaenotheca furfuracea* (L.) Tibell:*Chaenotheca gracilentata* (Ach.) Mattsson & Middelb.: (Tibell 2001)*Coniocybe gracilescens* Willey = *Chaenotheca chrysocephala* (Selva 2004)*Chaenotheca gracillima* (Vainio) Tibell:*Chaenotheca hispidula* (Ach.) Zahlbr.:*Chaenotheca hygrophila* Tibell:*Chaenotheca laevigata* Nád.:*Chaenotheca nitidula* Tibell: Tibell & Koffman 2002*Chaenotheca olivaceorufa* Vainio:* *Chaenotheca papuensis* Aptroot & Tibell: Aptroot & Tibell 2003*Chaenotheca phaeocephala* (Turner) Th. Fr.:*Chaenotheca servitii* Nád.: known only from Slovakia*Chaenotheca sphaerocephala* Nád.:*Chaenotheca stemonea* (Ach.) Müll. Arg.:*Chaenotheca subroscida* (Eitner) Zahlbr.:*Chaenotheca sulphurea* = *C. brachypoda**Chaenotheca trichialis* (Ach.) Th. Fr.:*Chaenotheca xyloxena* Nád.:*Cybebe gracilentata* (Ach.) Tibell = *Chaenotheca gracilentata* (Tibell 2001)*Chaenothecopsis* Vainio*Chaenothecopsis "aeruginosa"*:*Chaenothecopsis amurensis* Titov (1993): Titov & Tibell 1993*Chaenothecopsis arthoniae* Tibell: (Tibell 1998)*Chaenothecopsis asperopoda* Titov (1993): (Titov & Tibell 1993)*Chaenothecopsis australis* Tibell: (Tibell 1998)*Chaenothecopsis brevipes* Tibell: Tibell 1987*Chaenothecopsis caespitosa* (Phillips) D. Hawksw. (1980):*Chaenothecopsis "cascadensis"*:

* *Chaenothecopsis caucasica* Titov (2006): Titov 2006

Chaenothecopsis cinerea Tibell: (Tibell 1998)

Chaenothecopsis consociata (Nádv.) A.F.W. Schmidt:

Chaenothecopsis debilis (Turner & Borrer ex Sm.) Tibell:

Chaenothecopsis diabolica Rikkinen & Tuovila (2011): Tuovila et al. 2011; still in my key as *C. oregana*

Chaenothecopsis dolichocephala Titov: (Selva 2010)

Chaenothecopsis edbergii Selva & Tibell:

Chaenothecopsis epithallina Tibell:

Chaenothecopsis eugenia Titov (2001):

* *Chaenothecopsis exilis* Tibell (1999): (Selva & Tibell 1999)

Chaenothecopsis fennica (M. Laurila) Tibell:

* *Chaenothecopsis Formosa* Titov (2006): Titov 2006

Chaenothecopsis golubkova Tibell & Titov:

Chaenothecopsis haemtopus Tibell: (1987)

* *Chaenothecopsis heterospora* Titov (2006): Titov 2006

Chaenothecopsis himalayensis (Räsänen) Tibell & Titov (2000): Titov 2000

Chaenothecopsis hospitans (Th. Fr.) Tibell:

* *Chaenothecopsis hyrcana* Titov (2006): Titov 2006

Chaenothecopsis irregularis Titov: (1991)

* *Chaenothecopsis jaczevskii* Titov: listed in Tibell's checklist ('99), Europe; Titov (2006) includes *Protocalicium jaczevskii* Woron. (1927)

Chaenothecopsis kalbii Tibell & K. Ryman: (Lendemmer et al. 2008c)

* *Chaenothecopsis "klamathensis"*:

Chaenothecopsis koerberi (Nadv.) Tibell:

Chaenothecopsis lignicola: = *Chaenothecopsis pusiola*

Chaenothecopsis lecanactidis Tibell: (Tibell 1998)

* *Chaenothecopsis leifiana* Titov (2004):

* *Chaenothecopsis "lemura"*:

Chaenothecopsis matthewsiana Selva & Tibell: listed in Tibell's checklist ('99); presumably *Phaeocalicium matthewsiana*?

* *Chaenothecopsis mediarossica* Titov & Gudovicheva (2006): Titov 2006

Chaenothecopsis montana Rikkinen (2003): Rikkinen 2003; Tuovila et al 2011

Chaenothecopsis nana Tibell: (1979)

Chaenothecopsis nigra Tibell: (1987) (Harris & Lendemmer 2005, Spribille & Björk 2008)

Chaenothecopsis nigropedata Tibell: (1987)

Chaenothecopsis nivea (F. Wilson) Tibell:

Chaenothecopsis norstictica R. C. Harris: (1995)

Chaenothecopsis ochroleuca (Körber) Tibell & K. Ryman: (1995)

Chaenothecopsis oregana Rikkinen (2003) = *C. diabolica* and *C. zebrina*: Rikkinen 2003; Tuovila et al. 2011

Chaenothecopsis parasitaster (Bagl. & Car.) D. Hawksw.: (1978)

Chaenothecopsis pilosa Tibell & Kalb:

Chaenothecopsis pusilla (Ach.) A.F.W. Schmidt:

Chaenothecopsis pusiola (Ach.) Vainio:

* *Chaenotheca rappii* (Nádv.) R. C. Harris: may be in my key under *Mycocalicium*

Chaenothecopsis resinicola Tibell & Titov:

Chaenothecopsis retinens (Nyl.) Tibell:

Chaenothecopsis rikkinennii

Chaenothecopsis rubescens Vainio:

Chaenothecopsis rubina Tibell: (1982)

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Chaenothecopsis sagenidii Tibell: (1987)

Chaenothecopsis sanguinea Tibell: (1987)

Chaenothecopsis savonica (Räsänen) Tibell:

Chaenothecopsis shefflerae (Samuels & D.E. Buchanan) Tibell:

* *Chaenothecopsis sinensis* Titov (2006): Titov 2006

Chaenothecopsis sitchensis Rikkinen:

Chaenothecopsis subparoica (Nyl.) Tibell:

Chaenothecopsis tasmanica Tibell: (Tibell 1987)

Chaenothecopsis tibellii Titov:

* *Chaenothecopsis transbaikalica* Titov (2006): Titov 2006

Chaenothecopsis trassii Titov (1998): Titov 2006

* *Chaenothecopsis tristis* (Korb.) Titov (1998): Titov & Tibell 1998 listed in Tibell's checklist ('99),
Europe

Chaenothecopsis tsugae Rikkinen:

Chaenothecopsis ussuriensis Titov:

Chaenothecopsis vainioana:

Chaenothecopsis vinosa Titov (2001): Titov 2001

Chaenothecopsis viridialba (Kremp.) A.F.W. Schmidt :

Chaenothecopsis "viridipes":

Chaenothecopsis viridireagens (Nádv.) A.F.W. Schmidt:

* *Chaenothecopsis zebrina* Rikkinen & Tuovila (2011): Tuovila et al 2011; still in my key as *C.*
oregana

"Cryptocalicium"

Presumed undescribed genus and species

Cyphelium Ach.*Cyphelium brachysporum* Nád.v.:*Cyphelium brunneum* W. A. Weber:*Cyphelium chloroconium* (Tuck.) Zahlbr.:*Cyphelium inquinans* (Sm.) Trevisan:*Cyphelium karelicum* (Vainio) Räsänen:* *Cyphelium lecideinum* (Nyl.) Trevis.: listed in Tibell's checklist ('99), "NH-EUR"*Cyphelium lucidum* (Th. Fr.) Th. Fr.:* *Cyphelium marcianum* B. de Lesd.: listed in Tibell's checklist ('99), "NH-EUR"*Cyphelium notarisii* (Tul.) Blomb. & Forssell:*Cyphelium pinicola* Tibell:*Cyphelium sessile* (Pers.) Trevisan:*Cyphelium tiqillare* (Ach.) Ach.:*Cyphelium trachyloides* (Nyl. ex Branth & Rostrup) Erichsen:*Microcalicium* Vainio*Microcalicium ahlneri* Tibell:*Microcalicium arenarium* (Hampe ex A. Massal.) Tibell:*Microcalicium conversum* Tibell: (Tibell & Ryan 2004)*Microcalicium disseminatum* (Ach.) Vainio:*Microcalicium sunpedicellatum*(?): Thor et al. 05*Mycocalicium* Vainio*Mycocalicium albonigrum* (Nyl.) Fink:*Mycocalicium americanum* (R. Sant.) Tibell:*Mycocalicium anomalum* Tibell: (1998)*Mycocalicium calicioides* (Nád.v.) Tibell:* *Mycocalicium cervinum* F. Wilson ex Tibell: listed in Tibell's checklist ('99), "SH-AA"*Mycocalicium chaudhari* Tewari & Pant:*Mycocalicium fuscipes* (Tuck.) Fink:*Mycocalicium fulvofuscum* (F. Wilson ex Bailey) Tibell:*Mycocalicium rappii* Nád.v. = *Chaenothecopsis rappii*: (Harris 1995), may be in my key under *Mycocalicium*.* *Mycocalicium llimonae* Hladun & Muñiz: Muñiz & Hladun 2007*Mycocalicium ravenelii* (Tuck.) Fink:*Mycocalicium reticulatum* Nád.v.:*Mycocalicium sequoiae* Bonar:*Mycocalicium subtile* (Pers.) Szatala:*Mycocalicium victoriae* (C. Knight & F. Wilson) Nád.v.: (Tibell 2007)

Phaeocalicium A.F.W. Schmidt

- Phaeocalicium acadiae* Selva & Tibell]: listed in Tibell's checklist ('99), "NAM"
 * *Phaeocalicium ahtii* (Titov & Baibul.) Titov: Titov 2001, Titov 2006 [in my key under *Stenocybe*]
Phaeocalicium asciiforme Tibell: (1987)
Phaeocalicium betulinum (Nyl.) Tibell:
Phaeocalicium boreale Tibell: (1996)
Phaeocalicium cercocarpicola E.B.Peterson & Titov (in prep): Titov 2006
Phaeocalicium compressulum (Nyl. ex Szatala) A.F.W. Schmidt:
Phaeocalicium curtisii (Tuck.) Tibell:
Phaeocalicium flabelliforme Tibell: (1996)
 * *Phaeocalicium "fraxinea"* : may be *P. interruptum* - needs further study
Phaeocalicium fuegensis Tibell: (1998)
 * *Phaeocalicium gracile* Titov (2006): Titov 2006
Phaeocalicium interruptum (Nyl.) Tibell:
 * *Phaeocalicium matthewsianum* Selva & Tibell:
 * *Phaeocalicium minutissimum* (G. Merr.) Selva: (still under *Stenocybe* in my key)
 * *Phaeocalicium ornicolum* (Steiner ex Zahlbr.) Titov: Titov 2006
Phaeocalicium "parvispora" :
 * *Phaeocalicium pinaceum* Titov (1986): Titov 2006
Phaeocalicium polyporaenum (Nyl.) Tibell:
Phaeocalicium populneum (Brond. ex Duby) A.F.W. Schmidt:
Phaeocalicium praecedens (Nyl.) A.F.W. Schmidt:
Phaeocalicium tibeticum Titov (2000):
Phaeocalicium tremulicola (Norrl. ex Nyl.) Tibell: (see Tibell 1996 - comb. nov.)

Sclerophora Chevall.

- Sclerophora amabilis* (Tibell) Tibell:
Sclerophora coniophaea (Norman) Mattsson & Middelb.:
Sclerophora farinacea (Chevall.) Chevall.:
Sclerophora nivea (Hoffm.) Tibell:
Sclerophora peronella (Ach.) Tibell:
Sclerophora sanguinea:

Sphinctrina Fr.

- * *Sphinctrina anglica* Nyl.:
- * *Sphinctrina benmargana* Selva: (Selva 2004)
- * *Sphinctrina leucopoda* Nyl.:
- * *Sphinctrina pallidella* (Willey) Selva: Selva 2004
- * *Sphinctrina porrectula*:
- * *Sphinctrina tubaeformis* A. Massal.:
- * *Sphinctrina turbinata* (Pers. : Fr.) De Not.:

Stenocybe (Nyl.) Körber

- Stenocybe ahtii* Titov & Baibul. = *Phaeocalicium ahtii* (Titov & Baibul.) Titov (2006)
- Stenocybe bartlettii* Tibell:
- Stenocybe bryophila* W. Watson:
- Stenocybe clavata* Tibell: (1991)
- * *Stenocybe flexuosa* Selva & Tibell: Selva & Tibell 1999
- Stenocybe fragmenta* Peterson & Rikkinen: (Peterson & Rikkinen 1998)
- Stenocybe major* (Nyl.) Körber:
- Stenocybe minutissima* (G. Merr.) Zahlbr. = *Phaeocalicium*
- * *Stenocybe montana* Titov (2006): Titov 2006
- Stenocybe pullatula* (Ach.) Stein:
- Stenocybe septata* (Leighton) Massal.:

Texosporium Nád. ex Tibell & Hofsten

- Texosporium sancti-jacobi* (Tuck.) Nád.:

Thellomma A. Massal.

- Thelloma californicum* (Tuck.) Tibell:
- Thelloma carolinianum* (Tuck.) Tibell:
- Thelloma mammosum* (Hepp) A. Massal.:
- Thelloma occidentale* (Herre) Tibell:
- Thelloma ocellatum* (Körber) Tibell:
- Thelloma santessonii* Tibell:
- Thelloma siliceum* (Fee) Tibell:

Tholurna Norman

- Tholurna dissimilis* (Norman) Norman:

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