

THUNBERGIA

18



LEIF TIBELL

CALICIALES EXSICCATAE

Fasc. 9 (Nos 201 - 225)

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THUNBERGIA 18

Caliciales Exsiccatae

Fascicle 9

Leif Tibell

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THUNBERGIA is the continuation of "Publications from the Herbarium, University of Uppsala", of which 19 numbers were issued between 1978 and 1986. The name is given in memory of Carl Peter Thunberg (1743–1828), a disciple of Linnaeus and a famous traveller to South Africa and Japan. His collections, about twentyseven thousand sheets, were transferred to our University in 1785, and became the foundation of the Botanical Museum. Thunberg succeeded Linnaeus filius as professor in 1785 and held the professorship to his death.

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Contributions are refereed by external specialists.

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Caliciales Exsiccatae. Fascicle 9

Leif Tibell

Tibell, L. 1992. Caliciales exsiccatae. Fasc. 9 (Nos 201–225). Thunbergia 18: 1–15. ISSN–0283–2275.

Isotypes of *Chaenothecopsis golubkovae* are distributed. An index of the first 225 numbers of the exsiccata, lists of new combinations, described taxa and publication date for each fascicle are provided. Herbaria and private collections receiving the exsiccata are listed.

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With the 9th fascicle, 225 numbers of *Caliciales exsiccatae* have been distributed. In the first fascicle two new combinations were made (*Chaenothecopsis fennica* (M. Laurila) Tibell, No. 12, and *Coniocybe peronella* (Ach.) Tibell, No. 14). In the second fascicle one new species was described (*Chaenothecopsis nana* Tibell, No. 35) and three new combinations were made (*Calicium queenslandiae* (F. Wilson in F. M. Bailey) Tibell, No. 26, *Chaenothecopsis vainoiana* (Nádv.) Tibell, No. 37, and *Phaeocalicium polyporaeum* (Nyl.) Tibell, No. 45). In the third fascicle three new species were described (*Calicium cryptocroceum* Tibell, No. 51, *Coniocybe amabilis* Tibell, No. 65, and *Sphaerophorus notatus* Tibell, No. 73). In the fourth fascicle a new subspecies was described (*Calicium adpersum* Pers. ssp. *australe* Tibell, No. 76) and isotypes of two species (*Calicium constrictum* Tibell, No. 77, and *Tylophoron crassiusculum* Tibell, No. 99) were distributed. In the fifth fascicle one new species was described (*Chaenothecopsis tasmanica* Tibell, No. 118), and one new combination was made (*Chaenotheca citriocephala* (F. Wilson) Tibell, No. 114). The seventh fascicle contained isotypes of three species (*Chaenothecopsis nigropedata* Tibell, No. 160, *Chaenothecopsis sagenidii* Tibell, No. 162, and *Phaeocalicium asciiforme* Tibell, No. 168). The ninth fascicle contained isotypes of *Chaenothecopsis golubkovae* Tibell & Titov, No. 211.

The exiccata has been distributed to:

BC	Barcelona, Spain
BM	London, England, U.K.
CANL	Ottawa, Ontario, Canada
CHR	Christchurch, New Zealand
COLO	Boulder, Colorado, USA

DUKE Durham, North Carolina, USA
 H Helsinki, Finland
 HMAS Beijing, China
 LD Lund, Sweden
 LE St. Petersburg, Russia
 LWU Lucknow, India
 M München, Germany
 MEL Melbourne, Victoria, Australia
 MICH Ann Arbor, Michigan, USA
 MIN St. Paul, Minnesota, USA
 NICH Nichinan, Japan
 O Oslo, Norway
 POZ Poznan, Poland
 S Stockholm, Sweden
 TNS Tokyo, Japan
 UPS Uppsala, Sweden
 US Washington, D.C., USA
 W Wien, Austria
 Dr. K. Kalb, Neumarkt/OPf., Germany
 Prof. A. Vězda, Brno, Czechoslovakia

L. TIBELL: CALICIALES EXSICCATAE

201. Calicium adaequatum Nyl.

Flora 52: 409, 1869.

RUSSIA. Far East: Khabarovsk, c. 150 km NE of Chegdomyn, Dusse – Alin mountains. The source of river Brai. In *Larix* forest. On thin twigs of *Salix*. 51°40'N 134°40'E. Alt. 1200 m.

28.VI.1990

A. Titov (no. 3400)

L. TIBELL: CALICIALES EXSICCATAE

202. Calicium salicinum Pers.

Usteri's Ann. Bot. 7: 20, 1794.

UKRAINE. The Crimea: Alushta region, Mount Cziornaya. On bark of *Quercus robur* in *Quercus – Fagus* forest. Alt. 500 m.

14.V.1989

A. Titov (no. 2280)

L. TIBELL: CALICIALES EXSICCATAE

203. Calicium trabinellum Ach.

Meth. Lich. Suppl.: 14, 1803. – *Calicium xylonellum* β *C. trabinellum* Ach., Meth. Lich.: 93, 1803.

RUSSIA. Far East: Sakhalin, Kuril Islands, Kunashir. In the vicinity of of Tretjakovo. In mixed forest. On decorticated stump of conifer. 44°N 145°E.

22.XI.1989

A. Titov (no. 2450)

L. TIBELL: CALICIALES EXSICCATAE

204. *Calicium viride* Pers.

Usteri's Ann. Bot. 7: 20, 1794.

ARGENTINA. Tierra del Fuego: c. 36 km NE of Ushuaia, N side of Paso Garibaldi. In *Nothofagus betuloides* forest. On decorticated stump. 54°42'S 67°47'W. Alt. 380 m.

10.I.1989

Leif Tibell (no. 17721)

L. TIBELL: CALICIALES EXSICCATAE

205. *Chaenotheca hispidula* (Ach.) Zahlbr.

Cat. lich. univ. I: 567, 1922. – *Calicium trachelinum* Ach. v. *hispidulum* Ach., Lich. univ.: 237, 1810.

RUSSIA. Far East: Khabarovsk, c. 150 km NE of Chegdomyn, Dusse – Alin mountains. The source of river Brai, c. 5 km down stream. In *Larix – Picea* forest. On bark of dead *Populus suaveolens*. 51°40'N 134°40'E. Alt. 1200 m.

1.VII.1990

A. Titov (no. 3320)

L. TIBELL: CALICIALES EXSICCATAE

206. *Chaenotheca phaeocephala* (Turn.) Th. Fr.

Acta Reg. Soc. Sci. Upsal. 3(3): 251, 1860. – *Lichen phaeocephalus* Turn., Trans. Linn. Soc. London 8: 260, 1807.

UKRAINE. The Crimea: Alushta region, Mount Cziornaya. On bark of *Quercus robur* in *Quercus – Fagus* forest. Alt. 500 m.

14.V.1989

A. Titov (no. 1905)

L. TIBELL: CALICIALES EXSICCATAE

207. *Chaenotheca trichialis* (Ach.) Th. Fr.

Acta Reg. Soc. Sci. Upsal. 3(3): 251, 1860. – *Calicium trichiale* Ach., K. Vetensk.-Acad. Nya Handl. 1808: 203.

ARGENTINA. Tierra del Fuego: 4 km NW of Ushuaia, Glaciar Martial, below the lower chairlift station, along the stream. In rather low *Nothofagus betuloides* forest. At base of big, not yet decorticated trunk of *Nothofagus*. 54°47'S 68°23'W. Alt. 420 m.

9.I.1989

L. Tibell (no. 17668)

L. TIBELL: CALICIALES EXSICCATAE

208. *Chaenotheca trichialis* (Ach.) Th. Fr.

Acta Reg. Soc. Sci. Upsal. 3(3): 251, 1860. – *Calicium trichiale* Ach., K. Vetensk.-Acad. Nya Handl. 1808: 203.

RUSSIA. Far East: Sakhalin, Kuril Islands, Kunashir. In the vicinity of Saratovka. In *Abies – Picea – Betula* forest. On decorticated stump of conifer. 44°N 145°E.

13.XI.1989

A. Titov (no. 2638)

L. TIBELL: CALICIALES EXSICCATAE

209. *Chaenothecopsis consociata* (Nádv.) A. Schmidt

Mitt. Staatsinst. Allg. Bot. Hamburg 13: 148, 1970. – *Calicium consociatum* Nádv., Stud. Bot. Cech. 5: 10, 1942.

RUSSIA. Far East: Khabarovsk, c. 150 km NE of Chegdomyn, Dusse – Alin mountains, at the confluence of rivers Karbakhon and Bureya. In *Larix – Picea* forest. On thallus of *Chaenotheca chrysocephala* growing on bark of *Picea ajanensis*. 51°40'N 134°40'E. Alt. 800 m.

6.VII.1990

A. Titov (no. 3469)

L. TIBELL: CALICIALES EXSICCATAE

210. *Chaenothecopsis debilis* (Turn. & Borr.) Tibell

Symb. Bot. Upsal. 21(2): 45, 1975. – *Calicium debile* Turn. & Borr. ex Smith in Smith & Sowerby, Engl. Bot. 35: tab. 2462, 1813.

RUSSIA. Far East: Lazo, Lazovsky preserve, c. 5 km south of 'kordon Korpad'. In *Quercus* forest. On lignum of *Quercus mongolica*. 43°10'N 133°00'E. Alt. 300 m.

15.VII.1990

A. Titov (no. 3955)

L. TIBELL: CALICIALES EXSICCATAE

211. *Chaenothecopsis golubkovae* Tibell & Titov

Isotype

in Titov & Tibell, Nord. J. Bot. 13: 320, 1993.

RUSSIA. Krasnodar: Caucasus, Apsheronk region, 2 km east of 'Kamyshanova polyana'. In open *Abies* forest. On bark of dry *Abies nordmanniana*, 1–3 m above the ground. Alt. 1240 m.

26.V.1982

A. Titov (no. 303)

L. TIBELL: CALICIALES EXSICCATAE

212. *Chaenothecopsis haematopus* Tibell

Symb. Bot. Upsal. 27(1): 126, 1987.

ARGENTINA. Tierra del Fuego: Tierra del Fuego National Park, Rio Pipo just N of the campground. On decorticated trunk of *Nothofagus* in mixed *N. pumilio* – *N. betuloides* forest. 54°48'S 68°30'W. Alt. 100 m.

8.I.1989

L. Tibell (no. 17631)

L. TIBELL: CALICIALES EXSICCATAE

213. *Chaenothecopsis irregularis* Titov

Bot. J. 76(4): 113, 1991.

RUSSIA. Far East: Lazo, Lazovsky preserve, c. 5 km south of 'kordon Amerika', river Imbisha. In mixed *Pinus* – deciduous forest. On lignum of *Pinus koraiensis*. 43°10'N 134°00'E. Alt. 400 m.

21.VII.1990

A. Titov (no. 4000)

L. TIBELL: CALICIALES EXSICCATAE

214. *Chaenothecopsis nana* Tibell

Publ. Herb. Univ. Upps. 4: 4, 1979.

RUSSIA. Far East: Khabarovsk, c. 150 km NE of Chegdomyn, Dusse – Alin mountains, at the confluence of rivers Karbakhon and Bureya. In *Larix* – *Picea* forest. On bark of *Picea ajanensis*. 51°40'N 134°40'E. Alt. 800 m.

5.VII.1990

A. Titov (no. 3625)

Note: Ascomata with pale stalks.

L. TIBELL: CALICIALES EXSICCATAE

215. *Chaenothecopsis rubescens* Vain.

Acta Soc. Fauna Fl. Fennica 57(1): 71, 1927.

RUSSIA. Far East: Lazo, Lazovsky preserve, c. 5 km south of 'kordon Amerika', river Imbisha. In moist *Pinus* – deciduous forest. On bark of *Betula costata*. 43°10'N 134°00'E. Alt. 400 m.

21.VII.1990

A. Titov (no. 3925)

L. TIBELL: CALICIALES EXSICCATAE

216. *Chaenothecopsis ussuriensis* Titov

in Titov & Tibell, Nord. J. Bot. 13: 326, 1993.

RUSSIA. Far East: Lazo, Lazovsky preserve, c. 4 km south of 'kordon Amerika', river Imbisha. In *Pinus* – deciduous forest. On lignum of *Pinus koraiensis*. 43°10'N 134°00'E.

21.VII.1990

A. Titov (no. 4113)

L. TIBELL: CALICIALES EXSICCATAE

217. *Chaenothecopsis vainioana* (Nádv.) Tibell

Publ. Herb. Univ. Upps. 4: 5, 1979. – *Calicium vainioanum* Nádv., Preslia 18–19: 128, 1940.

UKRAINE. The Crimea: Alushta region, Mount Cziornaya. On bark of *Quercus robur* in *Quercus* – *Fagus* forest. Alt. 500 m.

14.V.1989

A. Titov (no. 1900)

L. TIBELL: CALICIALES EXSICCATAE

218. *Microcalicium disseminatum* (Ach.) Vain.

Acta Soc. Fauna Fl. Fennica 57(1): 77, 1927. – *Calicium disseminatum* Ach., K. Vetensk.-Acad. Handl. 1817: 227.

RUSSIA. Far East: Khabarovsk, c. 150 km NE of Chegdomyn, Dusse – Alin mountains. The source of river Brai, c. 5 km down stream. In *Larix* – *Picea* forest. On bark of dead *Populus suaveolens*. 51°40'N 134°40'E. Alt. 1200 m.

1.VII.1990

A. Titov (no. 3370)

L. TIBELL: CALICIALES EXSICCATAE

219. *Phaeocalicium betulinum* (Nyl.) Tibell

Ann. Bot. Fennici 28: 118, 1991. – *Calicium pallescens* f. *betulinum* Nyl., Flora 50: 370, 1867.

RUSSIA. Far East: Khabarovsk, c. 150 km NE of Chegdomyn, Dusse – Alin mountains. The source of river Brai. In *Larix* forest. On thin twigs of *Betula divaricata*. 51°40'N 134°40'E. Alt. 1200 m.

28.VI.1990

A. Titov (no. 3450)

L. TIBELL: CALICIALES EXSICCATAE

220. *Sclerophora amabilis* (Tibell) Tibell

Nova Hedw. Beih. 79: 679, 1984. – *Coniocybe amabilis* Tibell, Publ. Herb. Univ. Uppsala 10: 6, 1982.

RUSSIA. Far East: Khabarovsk, c. 150 km NE of Chegdomyn, Dusse – Alin mountains. The source of river Brai, c. 5 km down stream. In *Larix* – *Picea* forest. On bark of *Populus suaveolens*. 51°40'N 134°40'E. Alt. 1000 m.

2.VII.1990

A. Titov (no. 3289)

L. TIBELL: CALICIALES EXSICCATAE

221. *Sclerophora farinacea* (Chevall.) Chevall.

Fl. gén. env. Paris 1: 315, 1826. – *Fulgia farinacea* Chevall., J. Physique 1822: 58.

AZERBAIJAN. Eastern Transcaucasia: Thalysh, Lenkoran region, in the vicinity of Sym. On bark of *Acer* sp.

4.VII.1987

A. Titov (no. 1461)

L. TIBELL: CALICIALES EXSICCATAE

222. Sphaerophorus insignis Laur.

Linnaea 2: 45, 1827.

CHILE. Llanquihue: Vicente Perez Rosales National Park, along Rio Sin Nombre, c. 10 km N Puerto Callao, above Las Thermas El Callao. *Saxegothea* – *Nothofagus* dominated forest, on trunk of *Nothofagus dombeyi*. 40°57'S 72°11'W. Alt. 700 m.

17.II.1989

M. Wedin (no. 1556)

L. TIBELL: CALICIALES EXSICCATAE

223. Sphaerophorus macrocarpus K. Ohlsson in Galloway

N. Z. J. Bot. 21: 192, 1983.

CHILE. Valdivia: c. 40 km SW Valdivia, Monumento Natural Alerce Costero, El Mirador. *Nothofagus* – *Saxegothea* forest. 40°04'S 73°33'W. Alt. 925–935 m.

28.II.1989

M. Wedin (no. 1697)

L. TIBELL: CALICIALES EXSICCATAE

224. Sphinctrina turbinata (Pers.) de Not.

Giorn. Bot. Ital. 2: 314, 1846. – *Calicium turbinatum* Pers., Tent. Disp. Meth. Fung. Suppl.: 59, 1797.

RUSSIA. Far East: Khabarovsk, c. 150 km NE of Chegdomyn. Dusse – Alin mountains. The source of river Brai, c. 5 km down stream. In *Larix* – *Picea* forest. On thallus of *Pertusaria* growing on thin twigs of *Picea ajanensis*. 51°40'N 134°40'E. Alt. 1200 m.

2.VII.1990

A. Titov (no. 3742)

L. TIBELL: CALICIALES EXSICCATAE

225. Stenocybe major Nyl. ex Koerb.

Syst. Lich. Germ.: 306, 1855.

RUSSIA. Far East: Khabarovsk, c. 150 km NE of Chegdomyn, Dusse – Alin mountains. The source of river Krest. In *Larix* – *Picea* forest. On dead twigs of *Picea ajanensis*. 51°40'N 134°40'E. Alt. 1200 m.

30.VI.1990

A. Titov (no. 3111)

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(Synonyms in italics)

- Calicium abietinum* 101, 102, 126 (Australia)
Calicium adaequatum 1, 151 (Sweden), 201 (Russia)
Calicium adpersum ssp *adpersum* 2 (Sweden), 3 (Switzerland), 127 (Russia)
Calicium adpersum ssp *australe* 76 (Australia, isotype), 176 (Argentina)
Calicium chlorosporum 26 (USA), 105, 106 (Australia)
Calicium constrictum 77 (Costa Rica, isotype)
Calicium cryptocroceum = *C. tricolor*
Calicium denigratum 4 (Sweden)
Calicium glaucellum 52 (New Zealand), 128 (Sweden), 152 (Russia, with *Asterophoma mazaediicola*), 177 (Argentina)
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Calicium queenslandiae = *C. chlorosporum*
Calicium robustellum 107 (Australia)
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Calicium subquercinum = *C. lenticulare*
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Calicium tricolor 51 (New Zealand, isotype of *C. cryptocroceum*), 78 (Papua-New Guinea), 110 (Australia), 179 (Argentina)
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Chaenotheca brunneola 56, 57 (New Zealand), 111, 112 (Australia), 134 (Sweden), 155 (Russia)
Chaenotheca carthusiae = *C. chlorella*
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Coniocybe gracillima = *Chaenotheca gracillima*
Coniocybe pallida = *Sclerophora nivea*
Coniocybe peronella = *Sclerophora peronella*
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Thelomma ocellatum 25 (USA)
Tholurna dissimilis 98 (Canada)
Tylophoron crassiusculum 99 (Venezuela)
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New combinations

Calicium queenslandiae (F. Wilson) Tibell, 26 (USA)
Chaenotheca citriocephala (F. Wilson) Tibell, 114 (Australia)
Chaenothecopsis fennica (M. Laurila) Tibell, 12 (Sweden)
Chaenothecopsis vainioana (Nadv.) Tibell, 37 (Sweden)

Coniocybe peronella (Ach.) Tibell, 14 (Sweden) = *Sclerophora peronella*
Phaeocalicium polyporaenum (Nyl.) Tibell, 45 (USA)

Isotypes

Calicium adpersum ssp *australe* 76 (Australia)
Calicium constrictum 77 (Costa Rica)
Calicium cryptocroceum 51 (New Zealand) = *Calicium tricolor*
Chaenothecopsis golubkovae 211 (Russia)
Chaenothecopsis nana 35 (Sweden)
Chaenothecopsis nigropedata 160 (New Zealand)
Chaenothecopsis sagenidii 162 (New Zealand)
Chaenothecopsis tasmanica 118 (Australia)
Coniocybe amabilis 65 (New Zealand) = *Sclerophora amabilis*
Phaeocalicium asciiforme 168 (New Zealand)
Schistoporon variabile 96 (Costa Rica)
Sphaerophorus notatus 73 (New Zealand)

Taxa described

Calicium adpersum ssp *australe* Tibell, 76 (Australia, isotype)
Calicium constrictum Tibell, 77 (Costa Rica, isotype)
Calicium cryptocroceum Tibell, 51 (New Zealand, isotype) = *Calicium tricolor*
Chaenothecopsis nana Tibell, 35 (Sweden)
Chaenothecopsis tasmanica Tibell, 118 (Australia, isotype)
Coniocybe amabilis Tibell, 65 (New Zealand, isotype) = *Sclerophora amabilis*
Sphaerophorus notatus Tibell, 73 (New Zealand, isotype)

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