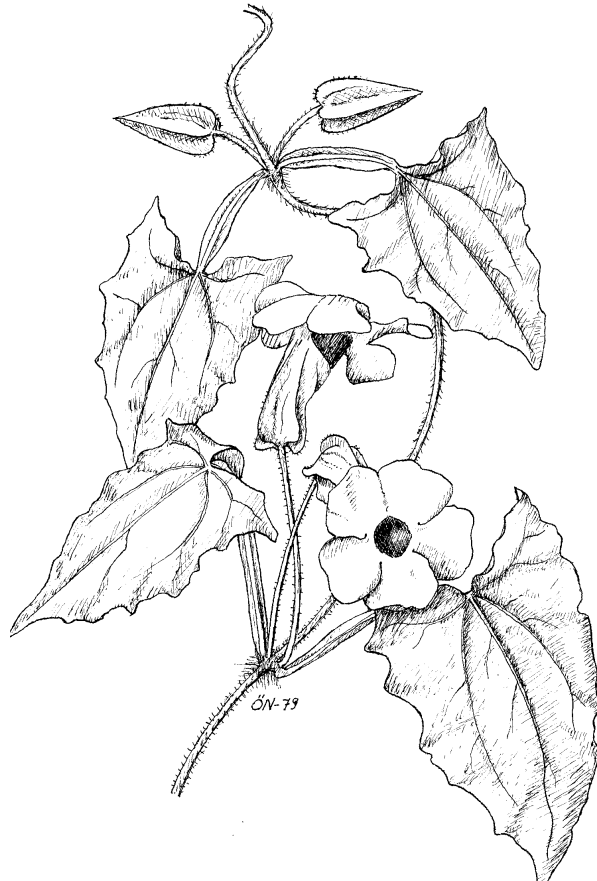


THUNBERGIA

31



Rolf Santesson

Fungi Lichenicoli Exsiccati

Fasc. 13 & 14 (Nos 301–350)

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EVOLUTION UPPSALA UNIVERSITY

2001

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 Uppsala 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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Santesson, R., 2001. Fungi lichenicoli exsiccati. Fasc. 13 & 14 (nos. 301–350). – *Thunbergia* 31: 1–18. ISSN-0283-2275.

One new species, *Lichenopeltella hydrophila* R. Sant. (n. 310) is described. Isotypes of the following species are distributed: *Arthonia flavicantis* Wedin & Hafellner, *Arthophacopsis parmiliarum* Hafellner, *Carbonea herteliana* Hafellner & Matzer, *Endococcus protoblasteniae* Diederich, *Hemigrapha atlantica* Diederich & Wedin, *Lichenopeltella hydrophila* R. Sant., and *Lichenostigma semiimmersa* Hafellner.

R. Santesson, Museum of Evolution, Botany Section (Fytoteket), Uppsala University, Norbyvägen 16, SE-752 36 Uppsala, Sweden.

Many of the fungi distributed in these fascicles have been collected and determined by Josef Hafellner. Paul Diederich has also contributed with several numbers. Material was received also from many other collectors. Heartly thanks to all!

R. Santesson: FUNGI LICHENICOLI EXSICCATI

301 *Abrothallus bertianus* De Not.

Mem. Accad. Sci., Torino, ser. 2, 10: 351 (1849).

On *Melanelia fuliginosa* ssp. *glabratula* (thallus).

SCOTLAND. Isle of Skye, S of Kyle of Lochalsh, S of Loch Na Béiste. 57°16'N 05°43'W. On *Ilex*.

31.V.1987

leg. & det. P. Diederich (n. 8831)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

302 *Arthonia flavicantis* Wedin & Hafellner

Isotype

Lichenologist 30: 72–73 (1998).

On *Pseudocyphellaria flavicans* (thallus).

ARGENTINA. Nequen Prov., Nahuel Huapi National Park, along the track from Puerto Blest to Laguna los Cantaros. 41°01'S 71°50'W. Alt. 770-830 m. On a trunk of *Nothofagus* in a *Nothofagus-Saxegothea* forest.

10.III.1989

leg. Mats Wedin (n. 1774)
(holotype in UPS)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

303 *Arthonia glaucomaria* Nyl.

Mém. Soc. Imp. Sci. Nat. Cherbourg 4: 98 (1856) (not *Lecidea glaucomaria* Nyl. (1852)).

On *Lecanora rupicola* (apothecia).

SWEDEN. Västergötland Prov., Friggeråker par., (2-3 km NE of Falköping), Holmag. 58°01'N 13°35'E.

20.VIII.1921

leg. E.P. Vrang
det. R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

304 Arthonia peltigerina (Almq.) H. Olivier

Bull. Géogr. Bot. 27: 213 (1917). – *Arthonia vagans* v. *peltigerina* Almq., K. Svenska Vetensk.-Akad. Handl. 17(6): 54 (1880).

On *Solorina crocea* (thallus).

AUSTRIA. Steiermark Prov., Niedere Tauern, Schladminger Tauern, track from Hauser Kaibling on H6chstein, S of Haus/Ennstal, track to Kaiblinglochscharte. 47°21'N 13°40'E. Alt. 2100-2200 m.

8.X.1977 leg. J. Hafellner (n. 46593) & E. Wind
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI

305 Arthonia pelvetii (Hepp) H. Olivier

Bull. Akad. Internat. Géogr. Bot. ser. 3, 15: 193 (45) (1906). – *Celidium pelvetii* Hepp, Die Flechten Eur. n. 372 (1857).

On *Pseudocyphellaria aurata* (thallus).

CANARY ISLANDS. Tenerife, Las Montañas de Anaga, near El Bailadero. 28°32'N 16°13'W. Alt. 850 m.

25.III.1976 leg. & det. R. Santesson (n. 26860)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

306 Arthonia phaeophysciae Grube & Matzer

Bibliotheca Lich. 68 (ed. Türk & Zorer): 10 (1997).

On *Phaeophyscia orbicularis* (thallus).

AUSTRIA. Steiermark Prov., Oststeierisches Hügelland (c. 5 km NW of Feldbach on the ridge between Edelsbach and Wetzeldorf. 46°59'N 15°51'E. Alt. 400 m. Grid: MTB 9061/1. On *Malus* in an old orchard.

24.III.1994 leg. J. Hafellner (n. 49091) & B. Wieser
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**307 *Arthophacopsis parmeliarum* Hafellner Isotype**

Crypt. Bryol. Lichenol. 19: 159–161 (1998).

On *Parmelia sulcata* (thallus).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, S-base of Zeiritzkampel N of Kalwang, just S of the Achner Alm. 47°28'N 14°45'E. Alt. 1200 m. Grid: MTB 8554/2. Corticolous on old, solitary *Acer pseudoplatanus*.

11.V.1997

leg. J. Hafellner (n. 41023)
(holotype in GZU)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**308 *Biatoropsis usnearum* Räsänen**

Ann. Bot. Soc. Vanamo 5: 8–10 (1934). – Diederich & Christiansen, Lichenologist 26: 49–55 (1994).

On *Usnea articulata* (thallus)

CANARY ISLANDS. Gran Canaria, by the road from Moya to Artenaria, between Las Fontanales and Los Pinos de Galdar. 28°02'20"N 15°37'W. Alt. 1350 m. On branches of *Pinus canariensis* in an open *Pinus* forest.

21.II.1994

leg. & det. J. Hafellner (n. 53831)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**309 *Carbonea herteliana* Hafellner & Matzer Isotype**

in Hafellner, Linzer Biol. Beitr. 31: 509–512 (1999).

On *Rhizocarpon umbilicatum* (thallus).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, Stadelstein SW of Eisenerz just above Hochtörl. 47°29'N 14°51'E. Alt. 1820 m. Grid: MTB 8555/1. On alpine meadow on palaeozoic limestone, on a large, calcareous boulder.

5.IX.1997

leg. J. & A. Hafellner (n. 43259)
(holotype in GZU)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

310 *Cercidospora trypetheliza* (Nyl.) Hafellner & Obermayer

Cryptog. Bryol. Lichenol. 16: 180-182 (1995). – *Lecidea trypetheliza* Nyl., Acta Soc. Sci. Fenn. 7: 402 (1863).

On *Arthrorhaphis alpina* (thallus).

AUSTRIA. Salzburg Prov. (close to the border to Kärnten), Pinzgau, Hohe Tauern, Glockner group, W of the Grossglockner – Hochalpen road, between Hochtor and Brennkogel, N slope of Grossen Margrötzenkogel. 47°05'05"N 12°50'15"E. Alt. 2600 m. Grid: MTB 8943/1. On calciferous schist.

30.VIII.1996

leg. H. Wittmann
det. R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

311 *Corticifraga fuckelii* (Rehm) D. Hawksw. & R. Sant.

Bibliotheca Lich. 38 (ed. Jahns): 125 (1990). – *Phragmonaevia fuckelii* Rehm, Rabenh. Kr.-Fl. 1(3): 166 (1888).

On *Peltigera fibrillosa* (thallus).

MEXICO. Chihuahua Prov., Sierra Madre Occidental, narrow valley about 28 km NW of Basaseachic along the road (Hwy 16) to Yepáchic. 28°20'N 108°15'W. Alt. 1720 m. On siliceous boulders near the stream.

25.VII.1994

leg. & det. J. Hafellner (n. 38834)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

312 *Corticiruptor abeloneae* (P.M. Jørg.) Wedin & Hafellner

Lichenologist 30: 86–90 (1998). – *Arthonia abeloneae* P.M. Jørg., Nova Hedw. 18: 338-339 (1970).

On *Sticta canariensis* (cyanobacterial morph) (thallus).

CANARY ISLANDS. Tenerife, Macizo de Anaga, on the way to Cabezo del Tejo c. 2 km NW of the turn to Chamorga. 28°33'40"N 16°09'40"W. Alt. 870 m. On *Laurus azorica* in a *Laurus* forest.

24.II.1989

leg. J. & A. Hafellner (n. 36486)
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**313 Dactylospora pertusaricola** (Willey ex Tuck.) Hafellner

Nova Hedw., Beiheft 62: 122-124 (1979). – *Buellia pertusaricola* Willey ex Tuckerman, Syn. North American Lich. 2: 108 (1888).

On *Pertusaria* cf. *cribellata* Branth (syn. *P. solitaria* H. Magn. nom illegit.) (thallus and apothecia).

RUSSIA. Buryatiya Prov., Northern macroslope of Khamar-Daban Range by the SW coast of Lake Baikal, Baikal'skii Zapovednik Reserve, Mt. Osihovka. 51°30'N 105°23'E. Alt. 1600-1800 m. In open stone field in the upper part of the subalpine belt.

22.VII.1993

leg. M. Zhurbenko
det. R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI**314 Dactylospora saxatilis** (Schaer.) Hafellner

Nova Hedw., Beiheft 62: 129-134 (1979). – *Calicium saxatile* Schaer., Naturwiss. Anz. Allg. Schweiz. Gesamten Naturwiss. 5: 35 (1821).

On *Pertusaria arizonica* (thallus and apothecia).

USA. Arizona, Santa Cruz Co, Coronado National Forest, hill S of Pena Blanca Lake, along secondary road no. 289. 31°23'N 111°05'W. Alt. 1100 m. Rock outcrops in semidesert, on sedimentary siliceous rock.

9.IV.1997

leg. A. Wilfling, M. Matzer & T.H. Nash
det. A. Wilfling

R. Santesson: FUNGI LICHENICOLI EXSICCATI**315 Endococcus protoblasteniae** Diederich**Isotype**

in Serusiaux, Diederich, Brand & van den Boom, *Lejeunia*, nouv. ser. 162: 27–28 (1999).

On *Protoblastenia rupestris* (thallus).

LUXEMBOURG. Lorraine Distr., E of Mersch. 49°44'N 06°06'E.

VII.1999

leg. P. Diederich (n. 13839)
(holotype in LG)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**316 Hemigrapha asteriscus** (Müll.Arg.) R. Sant. ex D. Hawksw.

Kew Bull. 30: 191 (1975). – *Melanographa asteriscus* Müll.Arg., Flora 65: 519 (1882).

On *Peltigera* sp. (thallus).

NEW ZEALAND. Gisborne Prov., North Island, Urewera Nat. Park, Lake Waikaremoana, along Ruapani Track. 38°44'S 177°08'E. Alt. 760 m.

1992 leg. & det. M. Wedin (n. 4093)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**317 Hemigrapha atlantica** Diederich & Wedin **Isotype**

Nordic J. Bot. 20: 208–210 (2000).

On *Sticta canariensis* (thallus of cyanobacterial morph).

SCOTLAND. Westerness (V.C.97), Morvern, Killundine, NW of Beinn Dubh. 56°33'N 5°54'W. Grid: 17/59 47. Coastal woodland below cliff.

6.II.1992 leg. B. Coppins & A.M. O'Dare (n. 14857)
(holotype in E)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**318 Leptosphaeria ramalinae** (Desm.) Sacc.

Sylloge Fung. 2: 84 (1883). – *Sphaeria ramalinae* Desmazières, Ann. Sci. Nat. Bot..., ser. 3, 11: 354 (1849). – *Phaeospora ramalinae* (Desm.) Vouaux, Bull. Soc. Myc. France 29: 74 (42) (1913).

On *Ramalina fastigiata* (thallus).

SPAIN. Castello Prov., Morella, Els Campbello. 40°37'N 00°06'W. Alt. 1000 m. Grid: UTM 30TYK4490. On *Quercus rotundifolia*.

1994 leg. & det. V. Calatayud (VAB-lich. n. 1561)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**319 Lichenopeltella hydrophila** R. Sant.**Isotype**

Lichenopeltella insignis catatheciis 60–120 (–150) μm diam., 50–75 μm altis, septis nullis, ascis 8-sporis, 45–50 \times 8.5–13 μm , et ascosporis 13.5–16 \times 5–6 μm cum 3 paribus setularum.

On *Verrucaria pinguicula* (thallus).

LUXEMBOURG. Gutland, SW of Grevenmacher, Kelsbaach. 49°40'N 06°25'E. Grid: IFBL: L9, 53.13. UTM: LA10. On calcareous rocks in a stream.

16.IV.

1996 P. Diederich (n. 12406)
(holotype in UPS)

Ascomata catathecia, superficial, scattered, black, 60–120(–150) μm diam., 50–75 μm high, margin entire, upper plate composed of more or less quadrangular cells arranged in radiating rows, 4–5 \times 4–6 μm , ostiole c. 10 μm , without setae. Asci obclavate 45–50 \times 8.5–13 μm , 8-spores. Ascospores oblong-ellipsoid, round at the ends, 1-septate, with three pairs of setulae near the spore septum, 13.5–16 \times 5–6 μm .

Lichenopeltella hydrophila was first mentioned but not formally described in R. Santesson, The lichens and lichenicolous fungi of Sweden and Norway: 31 (1993) from Sweden, Härjedalen Prov., Ramundberget, on *Verrucaria aethiobola* (coll.) in a small stream, 1988 R. Santesson n. 32530 (UPS). Later on it has been mentioned in several publications and is included in the key to the known species of the genus in Aptroot et al.. Bibliotheca Lich. 64: 83–85 (1997). It was found also in three localities in Belgium and Luxembourg (Diederich & Serusiaux, The lichens and lichenicolous fungi from Belgium and Luxembourg: 120, 2000) where it was found on *Verrucaria hydrela*, *V. pinguicula* and *V. praetermissa*. Specimens from Luxembourg were collected by Paul Diederich and kindly sent for distribution in this exsiccate. It was found most suitable to choose this number as the type of the species.

R. Santesson: FUNGI LICHENICOLI EXSICCATI**320 Lichenostigma semiimmersa** Hafellner**Isotype**

Linzer Biol. Beitr. 31: 513 (1999).

On *Buellia elegans* (thallus).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, Grüblzinken S over Präbichl, c. 5 km SE of Eisenerz, by SW-Grat over Rottörli. 47°30'N 14°56'E. Alt. 1900 m. Open Caricetum firmae on palaeozoic limestone.

1.IX.1997

leg. J. & A. Hafellner (n. 46589)
(holotype in GZU)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

321 Nectriopsis lecanodes (Ces.) Diederich & Schoers

in Serusiaux, Diederich, Brand & van den Boom, *Lejeunia*, nouv. ser. 162: 56 (1999). – *Nectria lecanodes* Cesati in Rabenhorst, *Herb. Mycolog.*, ed. 2, n. 525 (1863).

On *Peltigera austroamericana* (thallus).

MEXICO. Baja California Sur Prov., Sierra de la Laguna, western slopes ESE above Todos Santos. 23°29'N 109°59'W. Alt. 1500 m. On moist earth in a *Quercus* forest in a steep N-facing ravine.

16.II.1993

leg. & det. J. Hafellner (n. 40291)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

322 Nectriopsis lecanodes (Ces.) Diederich & Schoers

in Serusiaux, Diederich, Brand & van den Boom, *Lejeunia*, nouv. ser. 162: 56 (1999). – *Nectria lecanodes* Cesati in Rabenhorst, *Herb. Mycolog.*, ed. 2, n. 525 (1863).

On *Peltigera fibrillosa* (thallus).

MEXICO. Chihuahua Prov., Sierra Madre Occidental, narrow valley about 28 km NW of Basaseachic along road (Hwy 16) to Yepáchic. 28°20'N 108°15'W. Alt. 1720 m. N-facing on earth by the trail in mixed forest and siliceous boulders along the stream.

25.VII.1994

leg. & det. J. Hafellner (n. 38830)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

323 Nigropuncta rugulosa D. Hawksw.

Bull. Brit. Mus. (Nat. Hist.) Bot. 9(1): 46 (1981).

On *Bellemera cinereorufescens* (thallus).

AUSTRIA. Steiermark Prov., Niedere Tauern, Seckauer Tauern, NW-slope of Hämmerkogels, between Oberen Bodenhütte und Siebenbründl. 47°21'N 14°46'E. Alt. 1800 m. On overhanging, N-exposed rocks in *Pinus mugo* groves.

21.VIII.1998

leg. J. Hafellner (n. 45770) & J. Miadlikowska
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**324 Opegrapha melanospila Müll.Arg.**

Flora 60: 474 (1877).

On *Parmotrema* sp. (thallus).

CHINA. Yunnan Prov., Xishuangbanna distr., Jinghong Co., Menglun, Xishuangbanna Tropical Garden. 21°55'N 101°14'E. Alt. 580 m. On a tree trunk.

16.IX.1987

leg. & det. R. Santesson (n. 32112b)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**325 Opegrapha physciaria (Nyl.) D. Hawksw. & Coppins**

in Coppins et al., Lichenologist 24: 367 (1992). – *Lecidea physciaria* Nyl., Suppl. Lich. Paris: 8–9 (1897).

On *Xanthoria parietina* (thallus).

CANARY ISLANDS. Lanzarote, on the margin of Malpais plateau short SW of the village Guiguan (SW of Tinajo). 29°02'20" N 13°41'55" W. Alt. 280 m. On branches of *Ficus carica*.

9.IV.1999

leg. J. & A. Hafellner (47633)
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**326 Opegrapha thelotrematis Coppins**

Notes RBG Edinburgh 44(3): 603 (1987).

On *Thelotrema lepadinum* (thallus).

USA. Washington State, (Olympic Peninsula) Jefferson Co., 0.85 miles along the road W of Alder Creek along upper Hoh Rd, 1.2 miles E of Hwy 101. 47°50'N 124°15'W. Alt. 140 m. On *Alnus rubra*.

2.VIII.1996

leg. & det. T. Tönsberg (n. 23955)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

327 Phacopsis oxyspora (Tul.) Triebel & Rambold

Nova Hedwigia 47: 300-304 (1988). – *Nesolechia oxyspora* (Tul.) A. Massal., Symmicta Lich.: 75 (1855).

On *Hypotrachyna revoluta* (thallus).

USA. Arizona, Apache Co., Apache National Forest, Mt. Baldy Wilderness, valley of the East Fork of the Little Colorado River, between Phelp's cabin and the base of cliffs. 33°55'N 109°30'W. Alt. 2800 m. Mixed conifer forest including large trees of *Pseudotsuga menziesii*, on bark of *Pseudotsuga menziesii*.

3.VII.1994

leg. & det. J. Hafellner (n. 36651)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

328 Phaeopyxis punctum (A.Massal.) Rambold, Triebel & Coppins

in Rambold & Triebel, Notes RBG Edinburgh 46: 384–385 (1990). – *Nesolechia punctum* A. Massal., Sched. Crit. 5: 96 (1856). – *Lecidea punctum* (A. Massal.) Jatta, Sylloge Lich. Ital.: 353 (1900).

On *Cladonia cenotea* and *C. digitata* (thallus).

AUSTRIA. Steiermark Prov., Eisenerzer Alps, Puchgraben N of the village Wald by Schoberpass, between Jungfernsprung S of Aigelsbrunner Alm. 47°29'N 14°40'E. Alt. 1340 m. On decaying tree stumps in a montane *Picea-Larix* forest.

31.VII.1997

leg. & det. J. Hafellner (n. 42467)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

329 Plectocarpon lichenum (Sommerf.:Fr.) D. Hawksw.

in Hawksworth & Galloway, Lichenologist 16: 86 (1984). – *Dothidea lichenum* Sommerf., Suppl. Flora Lapp.: 224 (1826). – Fr. Elench. Fung. 2: 123 (1828).

On *Lobaria pulmonaria* (thallus).

USA. North Carolina, Jackson Co., path Salt Rock - Panthjetown Creek, c. 9 km NE of Cashiers. 35°09'N 83°02'W. Alt. 1800 m. On *Quercus* in open deciduous forest.

18.V.1995

leg. R. Moberg (n. 11613)

det. R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI**330 Polycoccum minutulum** Koncourkova & Berger

Czech Mycol., Praha 51: 171–177 (1999).

On *Trapelia placodioides* (thallus).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, S-base of Vordernberger Mauer N of Torfaiach, by the track from Barbarakreuz on the Fahnenköpfl. 47°28'N 14°58'E. Alt. 1150 m. On siliceous slate in an open *Picea* forest.

10.X.1998

leg. J. & A. Hafellner (n. 46092)
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**331 Pyrenidium actinellum** Nyl.

Flora 48: 210 (1865).

On *Baeomyces rufus* (thallus).

AUSTRIA. Steiermark Prov., Jörgen NW of Klöch, an old stonebridge E of the village. 46°46'N 15°57'E. Alt. 320 m. Grid: MTB 9261/2. In a *Quercus-Carpinus* forest. On shaded basalt rock.

24.III.1994

leg. J. Hafellner (n. 49090) & B. Wieser
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**332 Reconditella physconiarum** Hafellner & Matzer

Bibliotheca Lich. 37: 47–52 (1990).

On *Physconia distorta* (thallus).

AUSTRIA. Steiermark Prov., Eisenerzer Alps, Gössgraben NW of Trofaiach, on the level with the mouth of Jassing Graben. 47°27'N 14°56'E. Alt. 820 m. On *Fraxinus excelsior* in an *Acer-Quercus* forest.

22.VI.1997

leg. & det. J. Hafellner (n. 40885)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

333 Roselliniella cladoniae (Anzi) Matzer & Hafellner

Bibliotheca Lich. 37: 59–65 (1990). – *Sordaria cladoniae* Anzi, Atti Soc. Ital. Sci. Nat. 11: 179 (1868).

On *Cladonia* sp. (phyllocladia and podetia).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, Flitzenschlucht N of Gaishorn (NE of Trieben), near Goldloch. 47°31'N 14°32'E. Alt. 1000 m. On dead wood on the ground in a *Fagus-Abies-Picea* forest.

1.V.1998

leg. & det. J. Hafellner (n. 46007)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

334 Scutula militaris (Wallr.) Trevis.

Spighe e Paglie 1: 10 (1853). – *Peziza miliaris* Wallr., Fl. Crypt. Germ. 2: 449 (1833).

On *Peltigera austroamericana* (thallus).

MEXICO. Chihuahua Prov., Sierra Madre Occidental, narrow valley about 28 km NW of Basaseachic along the road (Hwy 16) to Yepáchic. 28°20'N 108°15'W. Alt. 1720 m. On boulders near the stream, in a mixed forest.

25.VII.1994

leg. & det. J. Hafellner (n. 38832)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

335 Skyttea cisonicae Hafellner

Paratypus

Mitt. naturwiss. Ver. Steiermark 130: 101–103 (2000).

On *Loxospora cisonica* (thallus and apothecia).

SLOVENIA. Pohorje, SE-exposed slope of Lamprehtov vrh above Lamprehtov potok ober Cinzat. 46°30'N 15°25'E. Alt. 1060 m. Grid: MTB 4958/4. On *Abies alba*.

11.VI.1996 leg. H. Mayrhofer (n. 13010), Z. Belec & M. Suanjak
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**336 Sphaerellothecium minutum** Hafellner

Herzogia 9: 760–762 (1990).

On *Sphaerophorus fragilis* (thallus).

AUSTRIA. Steiermark Prov., Niedere Tauern, Triebener Tauern, S of the village Hohentauern slope between Wirtstörl und Geierkogel. 47°24'N 14°29'E. Alt. 2159 m. Grid: MTB 6552/4. Alpine meadow on gneiss. On boulders and low rock.

14.VII.1996

leg. & det. J. Hafellner (n. 50369)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**337 Sphaerellothecium parmeliae** Diederich & Etayo

in Etayo & Diederich, Lichenologist 30: 117–119 (1998).

On *Parmelia saxatilis* (thallus).

SWEDEN. Härjedalen Prov., Tännäs par., the valley of the river Ljusnan, the slope of Mt. Ramundberget c. 1 km S of Hotel Ramundberget. 62°42'N 12°23'E. Alt. 800 m. On a boulder in the subalpine birch forest.

3.VIII.1995

leg. & det. R. Santesson (n. 33718)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**338 Sphaerellothecium propinquellum** (Nyl.) Roux & Triebel

Bull. Soc. linn. Provence 45: 530–533 (1994). – *Sphaeria propinquella* Nyl., in Nylander & Saelan, Not. Sällsk. Fauna Flora Fenn. 4: 112 (1858, "1859").

On *Lecanora carpinea* (apothecia).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, Mt. Zeiritzkampel N of the village of Kalwang just before the Jagdhaus Don in the valley of Kurzteichenbache. 47°27'N 14°44'E. Alt. 1000 m. On *Acer platanoides* in an old walk.

18.X.1997

leg. & det. J. Hafellner (n. 43906)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**339 Sphinctrina tubiformis** A. Massal.

Memor. Lichenogr.: 155 (1853).

On *Pertusaria* sp. (thallus).

MEXICO. Baja California Sur Prov., c. 12 km NNW of Ciudad Constitution by the road to Ciudad Insurgentes. 25°06'N 111°43'W. Alt. 150 m. On branches of *Jatropha* in desert shrub in a plane.

19.II.1993

leg. J. & A. Hafellner (n. 44850)

det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**340 Stigmatidium congestum** (Körb.) Triebel

in Triebel, Rambold & Nash, Mycologia 42: 290 (1991). – *Pharcidia congesta* Körb. Parerga Lich.: 470 (1865).

On *Lecanora chlarotera* (apothecia).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, Gössgraben NW of Trofaiach, on the level with the mouth of the Jassing Graben. 47°27'N 14°56'E. Alt. 820 m. At the edge of an *Acer-Quercus* forest. On bark of a *Fraxinus excelsior*.

22.VI.1997

leg. & det. J. Hafellner (n. 40886)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**341 Syzygospora bachmannii** Diederich & M.S. Christ.

in Diederich, Bibliotheca Lich. 61: 30–35 (1996).

On *Cladonia cornuta* (thallus).

SWEDEN. Uppland Prov., Husby-Långhundra par., Johannesdal. 59°15'N 18°02'E. On thin soil on open rocks.

20.XI.1955

leg. R. Santesson (n. 11166a)

det. P. Diederich

Note. The specimens of *S. bachmannii* distributed in this exsiccatum as n. 294 are isotypes of the species.

R. Santesson: FUNGI LICHENICOLI EXSICCATI**342 *Taeniolella phaeophysciae* D. Hawksw.**

Bull. Brit. Mus. (Nat. Hist.) Bot. 6(3): 255–257 (1979).

On *Phaeophyscia orbicularis* (thallus).

LUXEMBOURG. Gutland, Capellen, near the railway station. 49°38'N
5°59'E. Grid: IFBL: M8,13,11. UTM: KA 80. On *Sambucus*.

22.III.2000

leg. & det. P. Diederich (n. 14017)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**343 *Tremella cetrariicola* Diederich & Coppins**

in Diederich, Bibliotheca Lich. 61: 57–60, 65 (1996)

On *Tuckermannopsis chlorophylla* (thallus).

CANARY ISLANDS. Gran Canaria, Pinar de Tamadaba NW of
Artenaria, NW slope close below Casa de Tamadaba. 28°03'30" N 15°41'
W. Alt. 1200 m. On trunks of *Pinus canariensis* in a *Pinus* forest.

25.II.1994

leg. & det. J. Hafellner (47831)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**344 *Tremella lobariacearum* Diederich & M.S. Christ.**

in Diederich, Bibliotheca Lich. 61: 103–108, 111 (1996).

On *Pseudocyphellaria crocata* (thallus).

PAPUA NEW GUINEA. Simbu Prov., Mount Wilhelm, Pindaunde
Valley, surroundings of upper lake. 05°47'S 145°03'E. Alt. 3600 m.
Subalpine forest remnants, on *Papuacedrus papuanus*.

7.VIII.1992

leg. & det. P. Diederich (n. 10022)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

345 Tremella lobariacearum Diederich & M.S. Christ.

in Diederich, Bibliotheca Lich. 61: 103–108, 111 (1996).

On *Lobaria meridionalis* (thallus).

CANARY ISLANDS. La Gomera, La Montaneta E of El Cedro, on the ridge SW of the top. 28°07'N 17°12'W. Alt. 1020 m. In an *Erica-Laurus* forest, on *Laurus azorica* trunk.

18.II.1991

leg. J. & A. Hafellner (n. 33861)

det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI

346 Unguiculariopsis lettaui (Grumman) Coppins

in Rambold & Triebel, Notes RBG Edinb. 46: 387 (1990). – *Pyrenopeziza lettaui* Grumann, Bot. Jahrb. 80: 140–144 (1960).

On *Evernia prunastri* (thallus).

CANARY ISLANDS. Gran Canaria, by the road from Moya to Artenaria, between Las Fontanales and Los Pinos de Galdar. 28°02'20" N 15°37' W. Alt. 1350 m. On branches of *Pinus canariensis* in an open *Pinus* forest.

21.II.1994

leg. & det. J. Hafellner (n. 53830)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

347 Unguiculariopsis lettaui (Grumann) Coppins

in Rambold & Triebel, Notes RBG Edinburgh 46: 387 (1990). – *Pyrenopeziza lettaui* Grumann, Bot. Jahrb. 80: 140–144 (1960).

On *Evernia prunastri* (thallus).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, Gössgraben NW of Trofaiach, by the N verge of Schönau. 47°27'N 14°52'E. Alt. 1030 m. In an *Acer-Quercus* forest. On bark of *Sorbus aucuparia*.

22.VI.1997

leg. J. & A. Hafellner (n. 40922)

det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**348 Vouauxiomyces santessonii** D. Hawksw.

Bull. Brit. Mus. (Nat. Hist.) Bot. 9(1): 69 (1981).

On *Platismatia glauca* (thallus).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, Flitzenschlucht N of Gaishorn (NE of Trieben), near Goldloch. 47°31'N 14°32'E. Alt. 1000 m. On branches of *Picea* in a *Fagus-Abies-Picea* forest.

1.V.1998

leg. & det. J. Hafellner (n. 45169)

R. Santesson: FUNGI LICHENICOLI EXSICCATI**349 Vouauxiomyces truncatus** (de Lesd.) Dyko & D. Hawksw.

in Hawksworth & Dyko, Lichenologist 11: 58 (1979). – *Phoma truncata* de Lesd., Rech. Lich. Dunquerque: 277 (1910).

On *Flavoparmelia caperata* (thallus).

AUSTRIA. Steiermark Prov., Oststeirisches Hügelland, c. 5 km NW of Feldbach on the ridge between Edelsbach and Wetzeldorf. 46°59'N 15°51'E. Alt. 400 m.

24.III.1994

leg. J. Hafellner (n. 49095) & B. Wieser
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**350 Zwackhiomyces peltigerae** Miadlikowska & Alstrup

Graphis Scripta 7: 7–8 (1995).

On *Peltigera elisabethae* (thallus).

AUSTRIA. Steiermark Prov., Eisenerzer Alpen, by the S-base of the Reiting Mts, Ruine Kammerstein NW of Kammern in the Liesing valley, in uppermost part of the further Burghof. 47°24'N 14°53'E. Alt. 990 m.

20.IX.1997

leg. J. & A. Hafellner (n. 46592)
det. J. Hafellner

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Nos 1–19. See back cover of *Thunbergia* 4

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Published September 20th, 2001

ISSN-0283-2275

Universitetstryckeriet, Uppsala 2001