

THUNBERGIA

21



ROLF SANTESSON

FUNGI LICHENICOLI EXSICCATI

Fasc. 7 & 8 (Nos 151 - 200)

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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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THUNBERGIA 21

Fungi lichenicoli exsiccati

Fascicles 7 & 8

(Nos 151-200)

Rolf Santesson

UPPSALA 1994

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Rolf Santesson

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Karschia inops Triebel & Rambold and *Plectocarpon cladoniae* R. Sant. are described. Isotypes of these species and of *Arthonia peltigerea* Th. Fr. *Arthonia pseudocyphellariae* Wedin, *Arthonia subconveniens* Nyl. and *Reconditella physconiarum* Hafellner & Matzer are distributed.

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A thank is due to the following colleagues who have contributed with material of several numbers of these two fascicles: V. Alstrup, M.S. Christiansen, P. Diederich, J. Hafellner, N. Lundqvist, R. Moberg, W. Maurer, J. Poelt, G. Rambold, L.G. Sancho, E. Schreiner, E. Serusiaux, G. Thor and M. Wedin.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

151. *Arthonia peltigerea* Th. Fr.

Isotypus

Bot. Notiser 1866: 15.

On *Peltigera rufescens* (thallus).

NORWAY. Troms: Tromsø, Mt Flöjffjellet.

23.VI.1864

Th. M. Fries
(Holotypus in UPS)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

152. *Arthonia pelvetii* (Hepp) H. Olivier

Bull. Acad. Internat. Geogr. Bot. 15, ser. 3, n. 197-198: 193(45), 1906. – *Celidium pelvetii* Hepp, Die Flechten Eur. n. 589, 1860. – *Arthonia vagans* ssp. *pelvetii* (Hepp) Almqvist, K. Svenska Vetensk.-Akad. Handl. 17(6): 57, 1880.

On *Pseudocyphellaria aurata* (thallus).

CANARY ISLANDS. Tenerife: Mercedes Forest, 5 km NE of La Laguna, Ermita Cruz del Carmen. Alt. c. 1000 m. In the upper part of the *Laurus* region.

23.I.1973

Nils Lundqvist (n. 8192 bis)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

153. *Arthonia pseudocyphellariae* Wedin

Isotypus

Lichenologist 25: 301, 1993.

On *Pseudocyphellaria multifida* (thallus).

NEW ZEALAND. Gisborne, Urewera Nat. Park, Lake Waikaremoana, along Ngamoko Track. 38°46'S 177°10'E. Alt. c. 940 m. Ridge with *Nothofagus menziesii*-*Ixerba*-*Dracophyllum*-forest, on trunk of *N. menziesii*.

24.II.1992

M. Wedin (n. 4056)
(Holotypus in UPS)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

154. *Arthonia subconveniensi* Nyl.

Isotypus

On *Lobaria peltigera* ("*Ricasolia dissecta*") (thallus).

BRAZIL. (Further statement of locality not given.)

1841-1847

J. F. Widgren
(Holotypus in H)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

155. *Asterophoma mazaediicola* D. Hawksw.

Bull. Brit. Mus. (Nat.Hist.) Bot. 9(1): 8-10, 1981. – Cf. Tibell, Can. J. Bot. 69: 2427, 1991.

On *Chaenotheca trichialis* (on squamules and apothecial stalks).

FRANCE. Dép. Hautes Pyrénées: Cauterets, road towards Pont d'Espagne. Alt. c. 1200-1300 m. In a *Picea* forest near the waterfalls.

VII & VII.1985

leg. & det. E. Sérusiaux (n. 7784b)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

156. *Biatoropsis usnearum* Räsänen

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

On *Usnea* sp. (thallus).

FRANCE. Finistère: just W of Menez-Hom (=c. 12 km WNW of Chateaulin). On the trunk of a solitary tree of *Pinus pinaster*.

20.VII.1954

R. Santesson (n. 10290a)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

157. *Cecidonia xenophana* (Körb.) Triebel & Rambold

Nova Hedwigia 47: 291, 1988. – *Placographa xenophana* Körb., Parerga Lich., Lief. 5: 464, 1865.

On *Porpidia flavicunda* (thallus).

SWEDEN. Härjedalen: Tännäs par., the slope of Mt Gruvvålen, c. 0.5 km E of Hålliden, c. 1.5 km NE of Hotel Ramundberget. 62°43'N 12°24'E. Alt. c. 850 m. On crystalline schist in open cliffs.

27.VI.1990

R. Santesson (n. 32839)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

158. *Cercidospora epipolytropa* (Mudd) Arnold

Flora 57: 154, 175, 1874. – *Thelidium epipolytropum* Mudd, Man. Brit. Lich.: 298, 1861.

On *Lecanora polytropa* (thallus, apothecia).

SWEDEN. Härjedalen: Tännäs par., the valley of the river Ljusnan c. 2 km SE of Hotel Ramundberget. 62°41'N 12°25'E. Alt. c. 800-850 m. On a boulder in the subalpine birch forest.

5.VIII.1988

R. Santesson (n. 32461b)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

159. *Cercidospora stereocaulorum* (Arnold) Hafellner

Herzogia 7: 362, 1987. – *Leptosphaeria stereocaulorum* Arnold, Flora 57: 175, 1874.

On *Stereocaulon* sp. (thallus).

SWEDEN. Torne Lappmark: the Torneträsk Area, Katternjunje (SW of Riksgränsen). 68°25'N 18°17'E.

9.VIII.1980

leg. J. Poelt
det. H. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI

160. *Clypeococcum hypocenomyces* D. Hawksw.

Notes RBG Edinb. 38: 167-169, 1980.

On *Hypocenomyce scalaris* (thallus).

SWEDEN. Västergötland: Udenäs par., Tiveden National Park, Vitsand. 58°43'N 14°34'E. Alt. c. 160 m. On the trunk of a *Pinus sylvestris* in an open *Pinus* forest.

9.VI.1988

R. Santesson (n. 32394)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

161. *Cornutispora lichenicola* D. Hawksw. & Sutton

in Hawksworth, Trans. Br. myc. Soc. 67: 51-53, 1976.

On *Cetraria sepincola* (apothecia).

SWEDEN. Västmanland: Arboga par., near the cemetery of Skogskyrkogården (c. 2.5 km SSE of the centre of the city). 59°22'N 15°51'E. On twigs of birch in a thin, mixed forest.

17.VII.1990

R. Santesson (n. 32865)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

162. *Dactylospora saxatilis* (Schaer.) Hafellner

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

On *Pertusaria* or *Ochrolechia* sp. (thallus).

SWEDEN. Härjedalen: Tännäs par., Mt Stora Mittåkläppen, western slope. 62°44'N 12°26'E. Alt. c. 1080 m. On vertical calciferous cliffs in an alpine area.

11.IX.1988

R. Santesson (n. 32562)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

163. *Endococcus perpusillus* Nyl.

Act. Soc. Linn. Bordeaux 21: 439, 1857. – *Endococcus stigma* auct. non (Körb.) Stizenb. (Non *E. rugulosus* Nyl.)

On *Rhizocarpon distinctum* (thallus).

SWEDEN. Uppland: Holm par., on the cape c. 1 km ENE of the manor of Sjöö. 59°47'N 17°31'E. On a vertical surface of a large boulder.

2.VI.1957

R. Santesson (n. 11714)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

164. *Endococcus stigma* (Körb.) Stizenb.

Ber. Thätigk. St. Gallischen Naturwiss. Ges. 22: 516, 1882. – *Tichothecium stigma* Körb., Parerga Lich., Lief. 5: 468, 1865.

On *Acarospora scabrida* (thallus).

SWEDEN. Härjedalen: Tännäs par., Mt Gruvvålen, 0.1 km NE of Lake Glimsjön. 62°43'N 12°25'E. Alt. c. 920 m. In an old copper mine.

15.VIII.1991

R. Santesson (n. 33077b)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

165. *Everniicola flexispora* D. Hawksw.

Notes RBG Edinb. 40(2): 384-385, 1982.

On *Nephroma arcticum* (thallus).

SWEDEN. Värmland: Dalby par., at the waterfall Digerfallet in River Tåsan. 60°47'N 12°46'E. On mossy ground in a moist *Picea* forest.

14.VI.1956

R. Santesson (n. 11231)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

166. *Gyrophthorus perforans* Hafellner & Sancho

Topotypus

Herzogia 8: 371, 1990.

On *Umbilicaria vellea* (thallus).

SPAIN. Avila: Sierra de Paramera, Pico Zapatero. Alt. c. 2100 m.

30.IV.1989

leg. & det. L.G. Sancho

R. Santesson: FUNGI LICHENICOLI EXSICCATI

167. *Karschia inops* Triebel & Rambold sp. nov.

Isotypus

Cf. Triebel, Rambold & Nash, Mycotaxon 42: 276-277, 1991.

Ascomata lichenicola, in thallis et apotheciis Caloplacae vigentia, dispersa, nigra, primum sphaerice clausa, immersa, demum superne discedentia ("apothecioidea"), sessilia, 0.15-0.2 (-0.25) mm in diametro. Excipulum in sectione transversali circa 25-30 μm crassum, externe fuscum, interne pallidum, pseudoparenchymaticum. Hypothecium hyalinum vel brunnescens, stipitatum. Hymenium hyalinum, 45-55 μm altum. Paraphysoides sparsae, ramosae anastomosantesque, 2.5-3.0 μm crassae, apicibus incrassatis et pigmentosis, ad 6 μm latis. Epihymenium fuscum. Asci fissitunicati, clavati, octospori, circa 34-50 x 14-17 μm magni. Gelatina ascorum in solutione Lugol dicta, non reagens vel pallide caerulescens. Ascosporae pallide fuscae, uniseptatae, ad septum constrictae (raro bi- aut triseptatae), tenuiter tunicatae (13-) 16-17 (-18) μm longae, 6-8 (-8.5) μm latae, episporio laevi.

On *Caloplaca cinnabarina* (thallus and apothecia).

AUSTRALIA. Queensland: Rosslyn Bay, Double Head, 35 km NE of Rockhampton. 23°10'S 150°48'E. Alt. c. 50 m. Rocky outcrops on top of a hill.

13.II.1986

leg. & det. G. Rambold (n. 4467)
(Holotypus in M)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

168. *Lichenochora obscuroides* (Linds.) Triebel & Rambold

in Rambold & Triebel, Bibl. Lich. 48: 168, 1992. – *Lecidea obscuroides* Linds., Trans. R. Soc. Edinb. 22: 112, 1859. – Syn. *Lichenochora thallina* (Cooke) Hafellner, Nova Hedwigia 48: 363, 1989.

On *Phaeophyscia orbicularis* (thallus).

AUSTRIA. Steiermark: Grazer Bergland, Schmied in Weiz, 13 km N of Weiz, N of the bridge over Weizbach. MTB 8659/3. Alt. c. 750 m.

On *Tilia cordata*.

4.IV.1988

leg. & det. J. Hafellner (n. 20704)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

169. *Lichenopuccinia poeltii* D. Hawksw. & Hafellner

in Hawksworth, Nova Hedwigia, Beiheft 79: 374-376, 1984.

On *Parmelia saxatilis* (thallus).

BRITISH ISLES. Isle of Skye, SSE of Broadford, Ardrnameacan.

27.V.1987

leg. & det. P. Diederich (n. 8302)
confirm. D. Hawksworth

R. Santesson: FUNGI LICHENICOLI EXSICCATI

170. *Minutophoma chrysophthalmae* D. Hawksw.

Bull. Br. Mus. (Nat.Hist.) Bot. 9(1): 45, 1981.

On *Chrysothrix flavovirescens* (thallus).

SWEDEN. Södermanland: Utö par., NE part of the island Utö, opposite the island Svartkobb 1.9 km ESE of Utö mill. 58°59'N 18°22'E. On a dead *Pinus sylvestris*.

14.V.1988

leg. & det. G. Thor (n. 7509)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

171. *Phaeosporobolus alpinus* R. Sant., V. Alstrup & D. Hawksw.

in Alstrup & Hawksworth, Meddel. Grönland, Biosci. 31: 51-53, 1990.

On *Pertusaria dactylina* (thallus).

SWEDEN. Härjedalen: Tännäs par., Tjölen (Kölen), W of the road from Funäsdalen to Mittådalen, c. 9 km SSW of Mittådalen. 62°37'N 12°37'E. Alt. c. 810 m. On rocks in a mire in the subalpine birch forest.

10.VIII.1987

R. Santesson (n. 31946)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

172. *Plectocarpon cladoniae* R. Sant. sp. nov.

Isotypus

Ascomata lichenicola, rotundata, plana vel leviter convexa, atra, c. 0.5-1.5 mm in diam. Hymenium c. 80-95 μm crassum. Trabeculae fuscae. Sporae (4-) 5-septatae, 20-27 x 7-8 μm , halonatae.

On *Cladonia pyxidata* (phyllocladia).

SWEDEN. Åsele Lappmark: Vilhelmina par., c. 20 km ESE of Saxnäs, southern shore of the rapid Dimforsen in the stream Kultsjöån. 64°56'N 15°44'E. Alt. c. 390 m.

6.VIII.1991

R. Santesson (n. 32984)
(Holotypus in UPS)

Mycelium hyaline, immersed in the host lichen. Ascomata rounded, (0.2-) 0.5-1.5 (-2.5) mm diam., at first immersed later somewhat prominent, plane to slightly convex, emarginate, blackish, matt, epruinose. Hymenium (70-) 80-95 μm tall, hyaline, I+ red, K/I+ blue, by upgrowth of sterile tissue divided in loculi which are usually 70-140 μm broad. The sterile tissue (trabeculae) in the upper part blackish brown, 50-70 μm broad, in the middle part lighter brown, 20-25 μm broad. Hypothecium 100-200 μm , dark brown. Epithecium pale brown. Paraphysoids forming an indistinct cellular structure. Asci 4-spored, c. 50-70 x 15-20 μm , wall thick in the apical part. Ascospores (4-) 5-septate, oblong-fusiform with small end-cells, 20-27 x 7-8 μm , with a halo, c. 1 μm thick.

No visible injury to the host lichen is caused by the fungus. *P. cladoniae* is at present known from Sweden (Värmland, Uppland, and Jämtland Provinces) and Norway (Hordaland and Nordland Provinces), and so far only on *Cladonia pyxidata*. It was mentioned already by Sommerfelt, Suppl. Flora Lapp. 1826: 224, under *Dothidea lichenum* as 'in thallo ... *Cenomycidium* Salttdalen, Nordlandiae'.

P. cladoniae is the first known *Plectocarpon* with 5-septate spores and with *Cladonia* as its host lichen.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

173. *Reconditella physconiarum* Hafellner & Matzer

Isotypus

Bibl. Lich. 37: 47-52, 1990.

On *Physconia distorta* (thallus).

AUSTRIA. Steiermark: Gesäuse area, Johnsbach, c. 0.5 km E of Gasthof Kölbl. Alt. c. 875 m. MTB 8453/4. On *Fraxinus excelsior*.

20.V.1988 leg. & det. J. Hafellner & E. Schreiner (n. 20271)

(Holotypus in GZU)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

174. *Stigmidium degelii* R. Sant.

Graphis Scripta 5: 3, 1993.

On *Degelia plumbea* (thallus).

SWEDEN. Småland: Misterhult par., the island of Blå Jungfrun. 57°15'N 16°48'E. On oak.

19.VI.1914

leg. G.E. Du Rietz
det. R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

175. *Taeniolella serusiauxii* Diederich

Bull. Soc. Nat. Luxemb. 93: 158-162, 1992.

On a sterile lichen (UV+ yellow).

TANZANIA. Arusha: Mt Meru, E slope, road to the crater, Jekukumia River. 3°14'S 36°48'E. Alt. c. 2100-2200 m. On *Juniperus procera* by a road in a montane forest.

17.I.1970

leg. R. Santesson (n. 21572)
det. P. Diederich 1992

R. Santesson: FUNGI LICHENICOLI EXSICCATI

176. *Abrothallus parmeliarum* (Sommerf.) Arnold

Flora 57: 102, 1874. – *Lecidea parmeliarum* Sommerf., Suppl. Flora Lapp.: 176, 1826. – Syn. *Abrothallus cetrariae* Kotte, Centralbl. Bakt. Parasitenk. 24: 82-86, 1909.

On *Platismatia norvegica* (thallus).

NORWAY. Nord-Trøndelag: Overhalla par., c. 1 km W of Foss. 64°29'N 12°00'E. Old spruce forest. Boreal rain forest.

28.VII.1993

R. Santesson (n. 33565)

Note: In many specimens of this number *Nesolechia oxyspora* is also found.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

177. *Arthonia peltigerea* Th. Fr.

Bot. Notiser 1866: 15, 1866.

On *Solorina bispora* (thallus).

GREENLAND. Disko Island: Nordfjord, Perdlertut kuat. Alt. c. 100 m. On calcareous soil, associated with *Peltigera venosa*, *Pannaria pezizoides*, *Polyblastia terrestris*, *Stereocaulon* cf. *rivulorum*.

VIII.1975

leg. & det. V. Alstrup

R. Santesson: FUNGI LICHENICOLI EXSICCATI

178. "*Echinothecium cladoniae*" Keissl.

(nom. invalid.) Rabenhorst's Kryptogamenflora, 2 Aufl., 8: 330, 1930.

On *Cladonia stellaris* (thallus).

SWEDEN. Uppland: Alsike par., Lunsen, SW of Hjortronmossen (mire). 59°45'N 17°41'E. On rocky ground in an open *Pinus* forest.

23.IX.1947

R. Santesson

Note: Still a provisional name. See this exs. n. 10.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

179. *Eveniicola flexispora* D.Hawksw.

Notes RBG Edinb. 40(2): 384-385, 1982.

On *Nephroma arcticum* (thallus).

SWEDEN. Härjedalen: Tännäs par., Mt Gruvvålen, Hålliden (1.1 km N-NNE of Hotel Ramundberget). 62°43'N 12°24'E. Alt. c. 830 m. On a large, mossy boulder in the subalpine birch forest.

15.VIII.1985

R. Santesson (n. 31378)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

180. *Lichenochora obscuroides* (Linds.) Triebel & Rambold

in Rambold & Triebel, Bibl. Lich. 48: 168, 1992. – *Lecidea obscuroides* Linds., Trans. R. Soc. Edinb. 22: 112, 1859. – Syn. *Lichenochora thallina* (Cooke) Hafellner, Nova Hedwigia 48: 363, 1989.

On *Phaeophyscia orbicularis* (thallus).

LUXEMBOURG. NE of Bergem, Schéierboesch.

26.VIII.1987 leg. & det. P. Diedrich (n. 8521)
confirm. J. David

R. Santesson: FUNGI LICHENICOLI EXSICCATI

181. *Lichenocodium erodens* M. S. Christ. & D. Hawksw.

in Hawksworth, Persoonia 9: 174-177, 1977.

On *Evernia prunastri* (thallus).

BRITISH ISLES. Wales: Marioneth (V.C. 48), Bala Lake (Llyn Tegid), Glanllyn (SE of the lake). On *Quercus* in an open forest.

26.VII.1964 R. Santesson (n. 16689)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

182. *Lichenocodium lecanorae* (Jaap) D. Hawksw.

Bull. Brit. Mus. (Nat. Hist.) Bot. 6(3): 270, 1979. – *Coniosporium lecanorae* Jaap, Verh. Bot. Ver. Prov. Brandenb. 47: 71, 1906. – Syn. *Lichenocodium parasiticum* D. Hawksw.

On *Lecanora* sp. (apothecia).

SWEDEN. Uppland: Junkil par., 0.4 km S of Kättslinge (=1 km E of the parish church). 59°56'N 17°27'E. On the trunk of a *Populus tremula*.

5.IX.1971 R. Santesson (n. 24031)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

183. *Lichenocodium usneae* (Anzi) D. Hawksw.

Persoonia 9(2): 185, 1977. – *Epicoccum usneae* Anzi, Atti Soc. Ital. Sci. Nat. Milano, 11(4): 181(25), 1868.

On *Xanthoparmelia conspersa*, *Neofuscelia pulla* and *N. loxodes* (apothecia).

SWEDEN. Skåne: Rörum par., between Nygård and Mossaryd. 55°30'N 14°15'E. On a siliceous boulder in a *Corylus* grove.

9.VII.1947 R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

184. *Lichenodiplis lecanorae* (Vouaux) Dyko & D. Hawksw.

in Hawksworth & Dyko, Lichenologist 11: 52, 1979. – *Diplodina lecanorae* Vouaux in Pitard & Harmand, Bull. Soc. Bot. France, Mèm. 22: 69, 1912.

On *Lecanora saligna* (thallus, apothecia).

DENMARK. Fyen: Island Avernakö S of Faaborg. 55°02'N 10°16'E. On an old plank of oak lying on the ground in a salt meadow at the northern coast of the island. Associated with *Phaeosporobolus* sp.

15.X.1974 leg. & det. M. Skytte Christiansen (n. 5825)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

185. *Lichenosticta alcorniaria* (Linds.) D. Hawksw.

in Hawksworth, P. James & Coppins, Lichenologist 12: 107, 1980. – *Microthelia alcorniaria* Linds., Quart. Journ. Microsc. Sci. ser. 2, 9: 349, 1869.

On *Cladonia arbuscula* (thallus).

SWEDEN. Medelpad: Indal par., between Kvarndalen (below the parish church) and the bridge of Kävsta. 62°34'N 17°06'E. On a hill with some trees.

12.VII.1952 R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

186. *Lichenostigma rugosa* G. Thor

Lichenologist 17: 269, 1985.

On *Diploschistes scruposus* (apothecia and thallus)CANARY ISLANDS. Tenerife: the upper part of the Orotava valley. Between Aguamansa and El Portillo. 28°19'N 16°32'W. Alt. c. 1600 m. On rocks in a thin *Pinus canariensis* forest.

7.I.1968

R. Santesson (n. 19451)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

187. *Muellerella pygmaea* (Körb.) D. Hawksw. var. *pygmaea*Bot. Notiser 132: 289, 1979; Triebel, Bibl. Lich. 35: 161, 1989. – *Tichothecium pygmaeum* Körb., Denkschr. Schles. Ges. Vaterl. Cult. 1853: 231, 1853.On *Lecidea lapicida* var. *pantherina* (thallus), etc.

SWEDEN. Öland: Högby par., Hornsudden. 57°12'N 16°54'E. On a cobblestone field (klapperstensfält) near the seashore.

25.VII.1957

R. Santesson (n. 12096a)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

188. *Nanostictis peltigerae* M. S. Christ.

Bot. Tisdkr. 51: 59, 1954; M. A. Sherwood, Mycotaxon 5: 65, 1977.

On *Peltigera leucophlebia* (underside of thallus and rhizoptes).

SWEDEN. Åsele Lappmark: Vilhelmina par., 10 km E of Klimpfjäll, S slope of the hill Röberget, at the bottom of the talus-slope. 65°04'N 15°01'E. Alt. c. 600 m. On rock.

6.VIII.1991

leg. & det. M. Wedin (n. 3893)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

189. *Nesolechia oxyspora* (Tul.) A. Massal.Symmicta Lich.: 75, 1855. – *Abrothallus oxysporus* Tul., Ann. Sci. Nat. Bot. ser. 3, 17: 116, 1852.On *Punctelia lorentzii* (thallus).

PERU. Junin: Tarma, c. 10 km (road distance) NNE of Palca. 11°18'S 75°41'W. Alt. c. 2600 m. On cliffs on a steep rocky slope.

7.II.1981

leg. R. Moberg & R. Santesson (n. P12:52)
det. R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

190. *Opegrapha pulvinata* Rehm

in Lojka, Verh. Zool.-Bot. Ges. Wien 29: 500, 1869.

On *Dermatocarpon* cf. *intestiniforme* (thallus).

SWEDEN. Södermanland: Sorunda par., Stora Wika. 58°56'N 17°47'E. On a seepage on an open granitic rock.

15.V.1945

R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

191. *Phacopsis vulpina* Tul.

Ann. Sci. Nat. Bot. ser. 3, 17: 126, 1852.

On *Letharia vulpina* (thallus).AUSTRIA. Tirol: Hohe Tauern, Muntanitz Mts, S-exposed slopes N of Äusseren Steiner Alm, N of Matrei. MTB 8941/3 Alt. c. 1950 m. On a solitary *Larix*.

30.VIII.1988

leg. & det. J. Hafellner (n. 21317)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

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

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

On *Cladonia amaurocraea* (podetia).

SWEDEN. Värmland: N. Finnskoga par., Sälgeforsen (Söljeforsen). 60°57'N 12°31'E. On a large boulder on the slope of the river Klarälven.

15.VI.1956

R. Santesson (n. 11249b)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

193. *Phaeosporobolus alpinus* R. Sant., V. Alstrup & D. Hawksw.

in Alstrup & Hawksworth, Meddel. Grönland, Biosci. 31: 51-53, 1990.

On *Lecanora argentata* (thallus).

SWEDEN. Uppland: Vänge par., between Kvarnberg and Fiby Urskog. 59°53'N 17°21'E. On *Alnus glutinosa* at the stream Fibyån.

23.V.1963

R. Santesson (n. 15409)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

194. *Protothelenella croceae* (Bagl. & Carestia) Hafellner & H. Mayrhofer

in Mayrhofer, Herzogia 7: 320, 1987. – *Xenosphaeria croceae* Bagl. & Carestia, Atti Soc. Crittog. Ital., ser. 2, 2(3): 352-353, 1881.

On *Solorina crocea* (thallus).

AUSTRIA. Kärnten: Hohe Tauern Nat. Park, Ankogel Mts, the steep slope E of Hagener Hütte towards the Mt Greilkopf, NW of Mallnitz. MTB 8944/4. Alt. c. 2350-2450 m. On naked alpine earth.

28.VII.1989

leg. & det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI

195. *Rhagadostoma lichenicola* (De Not.) Keissl.

Rabenhorst's Kryptogamen-Flora, 2. Aufl., 8: 320, 1930. – *Bertia lichenicola* De Not., Erb. Critt. Ital., n. 1190, 1864.

On *Solorina crocea* (thallus).

SWEDEN. Härjedalen: Tännäs par., Mt Gruvvålen, c. 1.5 km NE of Hotel Ramundberget (0.5 km SW of Lake Glimsjön). 62°43'N 12°25'E. Alt. c. 900 m. On naked earth in a subalpine birch forest.

29.VI.1991

R. Santesson (n. 33440)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

196. *Stigmidium fuscatae* (Arnold) R. Sant.

Thunbergia 6: 17, 1988. – *Arthopyrenia fuscatae* Arnold, Flora 57: 139, 1874.

On *Acarospora fuscata* (thallus).

AUSTRIA. Burgenland: Südburgenland, c. 2 km NW of Neusiedl by Güssing. Alt. c. 270 m. On old tiles.

7.IV.1989

leg. & det. J. Hafellner (n. 21722)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

197. *Stigmidium microspilum* (Körb.) D. Hawksw.

Kew Bull. 30(1): 201, 1975. – *Arthopyrenia microspila* Körb., Parerga Lich., Lief. 5: 392, 1865.

On *Graphis scripta* (thallus).

AUSTRIA. Burgenland: neighbourhood of Güssing, Natzwald, just SW of Hasendorf. MTB 8963/2. Alt. c. 230 m. On *Carpinus* in a *Quercus-Carpinus* forest.

18.IV.1990

leg. J. Hafellner & W. Maurer (n. 23128)
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**198. Vouauxiomyces santessonii** D. Hawksw.

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

On *Platismatia glauca* (thallus).

AUSTRIA. Steiermark: Totes Mts, Tauplitzalm Area, road from Bad Mitterndorf on the Tauplitzalm on the first bend. MTB 8449/2. Alt. c. 1170 m. On *Abies* in a *Fagus-Abies-Picea* forest.

21.VIII.1988 leg. J. & A. Hafellner & E. Schreiner (n. 21995)
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI**199. 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. Burgenland: Südburgenland, Kleinfedenberg E of Deutsch-Kaltenbrunn, in a forest c. 0.5 km SE of the road towards Fedenberg. MTB 8962/2. Alt. c. 350 m. In a *Quercus-Pinus* forest, on *Q. robur*.

7.IV.1990 leg. & det. J. Hafellner (n. 24738)

Note: *Abrothallus microspermus* present in some of the specimens distributed.

R. Santesson: FUNGI LICHENICOLI EXSICCATI**200. Xanthoriicola physciae** (Kalchbr.) D.Hawksw.

in Hawksworth & Punithalingam, Trans. Br. Mycol. Soc. 61(1). 67, 1973. – *Gymnosporium physciae* Kalchbr., Math. és Termész. Közlem. 3: 299, 1865.

On *Xanthoria parietina* (thallus and apothecia).

ITALY. Brescia: Lombardia, Idro, Lemprato, along the shore of the lake Lago d'Idro. Alt. c. 370 m. On the trunk of old poplars.

9.IX.1977 leg. & det. M. Skytte Christiansen (n. 5246)

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

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12. D.O. Wijnands - *Correct author citation for the species described on material collected by Thunberg in Japan*, 1990
13. L. Tibell - *Caliciales exsiccatae*, Fasc. 8 (Nos 176–200), 1990
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18. L. Tibell - *Caliciales exsiccatae*, Fasc. 9 (Nos 201–225), 1993
19. S. Lundqvist & R. Moberg - *The Pehr Kalm Herbarium in UPS, a Collection of North American Plants*, 1993
20. R. Moberg - *Lichenes sel. exs. Upsal.*, Fasc. 5 & 6 (Nos 101–150), 1994