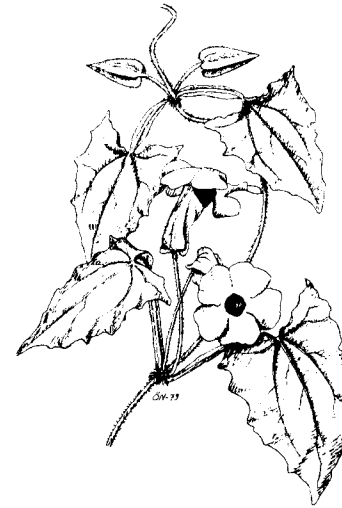


THUNBERGIA

6



ROLF SANTESSON

FUNGI LICHENICOLI EXSICCATI

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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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R. Santesson: FUNGI LICHENICOLI EXSICCATI

101. *Arthonia linitae* R. Sant. sp. nov. *Isotypus*

In thallo *Lobariae linitae* crescit. Ascomata leviter convexa, fusca, usque ad 1.5 mm diam.; hymenium hyalinum; epithecium pallidofuscens; hypothecium fuscum aut nigrofuscum; ascosporae 3-septatae, hyalinae, fusiformes, apicibus sat acutis, 16-18.5 x 3.5-4.5 μ m.

On *Lobaria linita* (thallus).

SWEDEN. Torne Lappmark: the Torneträsk area, Abisko, between the Scient. Research Station and the Tourist Station. 68°22'N, 18°49'E. Alt. c. 400 m. On the mossy ground in a subalpine birch forest.

3.VIII.1947

R. Santesson
(Holotypus in UPS)

Mycelium hyaline, immersed in the thallus of the host lichen. Ascomata rounded, 0.5-1.5 mm diam., at first solitary, later often confluent, pale to dark brown, the largest ones with a rather abrupt, slightly lobate margin, and a somewhat pitted upper surface. Hymenium 50-60 μ m high, I+ red, K+I+ intensely blue. Asci clavate, 30-45 x 10-13 μ m, (4-) 8-spored, I-, K+I-. Spores with slightly smaller end-cells.

No visible injury to the host is caused by the fungus. *A. linitae* is at present known from Sweden (AL, TL, 11 coll.) and Norway (Nrd, Trs, Fnm, 6 coll.) (all in UPS), and so far only as a parasymbiont on *Lobaria linita*. It differs from *A. peltigerae* Th.Fr. by e.g. the brown, less convex ascomata, thinner and more acute spores, lower hymenium.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

102. *Bachmanniomyces uncialicola* (Zopf) D. Hawksw.

Bull. Br. Mus. Nat. Hist. (Bot.) 9(1): 11, 1981. - *Phyllosticta uncialicola* Zopf, Hedwigia 35: 324, 1896.

On *Cladonia uncialis* (thallus).

SWEDEN. Värmland: Hagfors par., Rösberget. 59°58'N, 13°43'E.

15.XI.1964

leg. S. Sundell (n. 4120)

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103. *Buelliella physciicola* Poelt & Hafellner

In Hafellner, Nova Hedwigia, Beiheft 62: 155-158 (139), 1979.

On Phaeophyscia endococcinodes (thallus and apothecia).

PERU. Dept. Junin: Prov. Tarma, c. 10 km (road distance) NNE of Palca. 11°18'S, 75°32'W. Alt. c. 2600 m. On a steep, rocky slope with a rich Bromeliaceous vegetation.

7.II.1981 R. Moberg & R. Santesson (n. P12:81)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

104. *Cercidospora caudata* Kernst.

Verh. Zool.-Bot. Ges. Wien 44: 212, 1895 ("1894"); Hafellner, Herzogia 7:357, 1987. - Syn. Apiosporella caudata (Kernst.) Keissler, Beih. Bot. Centralbl. 37 (2): 266, 1920.

On Caloplaca sp. (apothecia and thallus).

SWITZERLAND. Kant. Wallis: Sion, Mt d'Orge. 46°11'N, 7°20'E. Alt. 650-750 m. On rocks in a "Bergsteppe".

15.V.1987 R. Santesson (n. 31725)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

105. *Cercidospora lichenicola* (Zopf) Hafellner

Herzogia 7: 360, 1987. - Leptosphaeria lichenicola Zopf, Hedwigia 35: 358, 1896.

On Solorina crocea (thallus).

SWEDEN. Härjedalen: Tännäs par., Hamrafjället, the northern slope. 62°33'N, 12°17'E. Alt. c. 1000 m. In the alpine zone on calcareous ground in very thin vegetation.

14.VIII.1958 R. Santesson (n. 12553)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

106. *Dacampia rufescentis* (Vouaux) D. Hawksw.

Notes R. Bot. Gard. Edinb. 43(3): 497, 1986. - Pleospora rufescentis Vouaux, Bull. Soc. Mycol. Fr. 29: 124, 1913.

On Peltigera rufescens (thallus).

SWEDEN. Uppland: Älvkarleby par., Billudden, N of Källvik. 60°40'N, 17°31'E. On sandy ground near the shore.

29.IX.1946 R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

107. *Hobsonia christiansenii* B.L. Brady & D. Hawksw.

in Lowen, Brady, Hawksworth & Paterson, Mycologia 78(5): 842, 1986.

On Physcia stellaris and Xanthoria parietina (thalli).

SWEDEN. Uppland: Börje par., just N of Klinta. 59°55'N, 17°30'E. On twigs of *Populus tremula* in a thin *P. tremula* forest.

23.X.1960 R. Santesson (n. 14041)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

108. *Hobsonia santessonii* Lowen & D. Hawksw. **Isotypus**

in Lowen, Brady, Hawksworth & Paterson, Mycologia 78(5): 844, 1986.

On Peltigera scabrosa (thallus).

SWEDEN. Värmland: Dalby par., near the waterfall of Digerfallet in the stream of Tåsan. 60°47'N, 12°46'E. On mossy ground in a humid *Picea abies* forest.

14.VI.1956 R. Santesson (n. 11232)
(Holotypus in UPS)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

109. *Karschia santessonii* Hafellner

Nova Hedwigia, Beiheft 62: 182-184, 1979.

On Porpidia pseudomelinodes (thallus).

NORWAY. Nordland: Ankenes parish, the river Rombakselven c. 1 km from Rombaksbotn. 68°25'N, 17°56'E. Alt. c. 50 m. On rocks in the river, often submerged.

13.VIII.1986 R. Santesson & R. Moberg (n. 31619)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

110. "*Lecidea*" *associata* Th.Fr.

K. Svenska Vetensk.-Akad. Handl. 7(2): 42, 1867.

On Ochrolechia tartarea (thallus).

SWEDEN. Bohuslän: Dragsmark par., Källviken. 58°15'N, 11°31'E. On rocks.

4.VIII.1915 leg. A.H. Magnusson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

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

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

On Menegazzia terebrata (thallus and soralia).

SWITZERLAND. Kant. Obwalden: Giswill Co., Merliwald. 46°50'N, 8°9'E. Alt. 1320-1350 m. On Fagus in a Fagus-Abies-forest.

12.V.1987 R. Santesson (n. 31659)

Note: Cornutispora lichenicola D. Hawksw. & B. Sutton is also present in many of the specimens distributed.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

112. *Lichenopeltella epiphylla* R. Sant. sp. nov. Isotypus

Fungus in thallis lichenum foliicolorum crescit. Ascomata superficialia, applanata, 80-115 µm diam., 15-30 µm alta, nigra, nitida; asci clavati, bitunicati; ascosporae 4:nae, hyalinae, 1-septatae, 9.5-13 x 2-4 µm.

On Mazosia phyllosema (thallus).AUSTRALIA. New South Wales: Dorrigo National Park, along Wonga Walk, 4.5 km E of Dorrigo. 30°23'S, 152°43'E. Alt. c. 650 m. On leaves of *Calamus muelleri* in subtropical rainforest.19.IV.1981 leg. Leif Tibell (n. 12499 b)
(Holotypus in UPS)Mycelium brownish, immersed in the thallus of the host lichen. Ascomata catathecia, totally superficial, usually scattered but sometimes crowding, rounded; upper wall 3.5-9 µm thick, composed by dark-brown, rectangular or quadratic cells arranged in radiating rows, cells 2.5-4 x 3-5 µm, thick-walled around the ostiolar pore but without setae or papillae, the basal plate 2-4 µm thick, dark-brown. Hamathecium absent. Asci rather thick-walled, I-, K+I-, 16-30 x 5-10 µm. Ascospores ellipsoid with rounded ends. L. epiphylla is known to infest *Porina epiphylla*, P. conica, P. lucida, P. cerina, P. tetramera, Mazosia phyllosema, etc. in Guatemala, Peru, Brazil (São Paulo), Ivory Coast, Guinea, Java, New Zealand and Australia (in all 14 coll., in UPS). L. epiphylla differs from a related species on Omphalina foliosa by larger, more applanate and less nitidous ascomata, etc. This species and the genus Lichenopeltella are discussed in a paper by R.Sant., in Nord. J. Bot. 9, 1989 (in press).

R. Santesson: FUNGI LICHENICOLI EXSICCATI

113. *Nectria rubefaciens* Ellis & Everh.

J. Mycol. 3: 116, 1887.

On Parmelia sulcata and P. saxatilis (thalli).LUXEMBOURG. Between Holtenfels and Tuntange. In a *Salix caprea*-*Fraxinus* wood.21.XI.1987 leg. P. Diederich (n. 8910) and G. Marson
det. P. Diederich

R. Santesson: FUNGI LICHENICOLI EXSICCATI

114. *Opegrapha pulvinata* Rehm

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

On *Dermatocarpon miniatum* (thallus).

AUSTRIA. Kärnten: Hohe Tauern, Mallnitz, E-exposed slope W of the railway station. 46°59'N, 13°10'30"E. Grunsfelt 945/1. Alt. 1180 m. On a stone wall.

3.XI.1986 leg. J. Hafellner & A. Nogrsek (n. 15242)
det. J. Hafellner

R. Santesson: FUNGI LICHENICOLI EXSICCATI

115. *Phacopsis vulpina* Tul.

Ann. Sci. Nat. Bot. ser. 3, 17: 126, 1852; Hafellner, Herzogia 7: 343-352, 1987.

On *Letharia vulpina* (thallus).

SWEDEN. Härjedalen: Tännäs par., near the shore of Lake Rogen W of the northern part of Mt Tandsjövalen. 62°18'N, 12°28'E. On a dry standing trunk of Pinus.

10.VIII.1958 leg. Rune Sjödén

R. Santesson: FUNGI LICHENICOLI EXSICCATI

116. *Phaeosporobolus usneae* D. Hawksw. & Hafellner

Nova Hedwigia 43: 526, 1986.

On *Letharia vulpina* (thallus).

SWEDEN. Härjedalen: Tännäs par., near the shore of Lake Rogen W of the northern part of Mt Tandsjövalen. 62°18'N, 12°28'E. On a dry standing trunk of Pinus.

10.VIII.1958 leg. Rune Sjödén

R. Santesson: FUNGI LICHENICOLI EXSICCATI

117. *Pleospilis ascaridiella* (Nyl.) D. Hawksw.

Lichenologist 15:2 22, 1983. - *Lecidea acaridiella* Nyl., Flora 51: 162, 1868.

On *Parmelia olivacea* (apothecia).

SWEDEN. Jämtland, Åre par., Brännholmen in Lake Ännsjön (c. 2 km SE of the railway station of Änn). 63°18'N, 12°34'E. Alt. 525 m. On a birch in a mixed forest.

22.II.1957 R. Santesson (n. 11678)

Note: *Lichenocodium usneae* (Anzi) D. Hawksw., is also found in most of the specimens distributed.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

118. *Protothelenella croceae* (Bagl. & Carestia)

Hafellner & 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).

SWEDEN. Torne Lappmark: the Torneträsk area, the NE slope of Mt Slåttatjåkka. 68°22'N, 18°42'E. Alt. c. 1050 m. On naked earth near a late snow patch.

14.VIII.1986 R. Santesson (n. 31628)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

119. *Rosellinula frustulosae* (Vouaux) R. Sant. **comb.nov**

Basionym: *Muellerella frustulosae* Vouaux, Bull. Soc. Mycol. Fr. 29: 43, 1913. - Syn. *Roselliniella frustulosae* (Vouaux) Hafellner, Herzogia 7: 151, 1985.

On *Lecanora argopholis* (thallus).

NORWAY. Oppland: Vågå parish, N of Viste. Alt. c. 450 m. On rocks of calciferous schist on a dry, S facing slope.

27.VII.1961 R. Santesson (n. 14212)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

120. *Sphinctrina turbinata* (Pers.: Fr.) de Not.G. Bot. Ital. 2: 311, 1846. - *Calicium turbinatum* Pers. Tent. Disp. Fung.: 59, 1797. Fr. Elench. Fung. 2: 148, 1828.On *Pertusaria pertusa* (thallus).SWEDEN. Västergötland: Erska parish, Grävsnäs, in the park near the ruin of the castle. 58°5'N, 12°30'E. On the trunk of an old *Fraxinus excelsior*.

10.VII.1986

R. Santesson (n. 31502)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

121. *Stigmidium hageniae* (Rehm) Hafellner **comb. nov.**Basionym: *Sphaerella hageniae* Rehm in Winter, Flora 55: 523, 1872. - Syn. *Pharcidia hageniae* (Rehm) Rehm in Arnold, Flora 57: 152, 1874.On *Anaptychia ciliaris* (thallus).SPANIEN. Prov. Barcelona: Sierra de Montseny, the NE slope of the pass of Coll Formich. Alt. c. 1200 m. In *Quercetum pubescentis*.

28.V.1983

leg. et det. J. Hafellner (n. 17362)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

122. *Tremella coppinsii* Diederich & G. Marson

Notes R. Bot. Gard. Edinb. 45: 175, 1988.

On *Platismatia glauca* (thallus).GREAT BRITAIN. Isle of Skye, SSE of Broadford, wood near the coast N of Isle Ornsay. On *Quercus* and *Betula*.

30.V.1987

leg. & det. P. Diederich (n. 8794)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

123. *Tremella lichenicola* Diederich*Lejeunia*, *nouv. ser.*, 119: 2-5, 1986.On *Mycoblastus sterilis* (thallus).LUXEMBOURG. N. Oberdonven, Schaedergrund. On *Fagus*.

19.VIII.1987

leg. & det. P. Diederich

Note: Some specimens of the host lichen are killed by *Athelia arachnoidea* (Berk.) Jülich, not by the parasymbiont *Tremella lichenicola*.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

124. *Trichonectria hirta* (Bloxam) PetchNaturalist, Hull 1937: 282, 1937. - *Nectria hirta* Bloxam in Currey, Trans. Linn. Soc. London 24: 158, 1863.On *Scoliciosporum chlorococcum* (thallus).LUXEMBOURG. WNW of Pétange, Bois d'Athus. On *Carpinus* and *Crataegus*.

29.VIII.1987

leg. P. Diederich (n. 8540) and G. Marson
det. P. Diederich**Note:** This species was discussed by D. Hawksworth, Notes R. Bot. Gard. Edinb. 36(1): 193-194, 1978. - The anamorph, a *Cylindrocarpon* sp., will soon be described by W. Gams (Baarn).

R. Santesson: FUNGI LICHENICOLI EXSICCATI

125. *Wentomyces peltigericola* D. Hawksw.

Trans. Br. Mycol. Soc. 74: 384, 1980.

On *Peltigera aphthosa* (thallus).

SWEDEN. Härjedalen: Tännäs parish, the valley of the river Ljusnan c. 2 km SE of Hotel Ramundberget. 62°42'N, 12°24'E. Alt. 700-800 m. In a subalpine birch forest.

16.VII.1979

R. Santesson (n. 29691b)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

126. *Brothallus bertianus* de Not.

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

On Parmelia fraudans (thallus).

GREENLAND. West Greenland: Head of the northern branch of Søndre Strømfjord (Kangerdlugssuaq), in the scree at the foot of Mt Hassel. Lat. 67°N. Alt. 50-100 m. Growing over mosses or on a thin layer of loess soil on the horizontal surface of boulders.

18.VIII.1946 leg. M. Skytte Christiansen (n. 5455)
det. R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

127. *Brothallus parmeliarum* (Sommerf.) Arnold

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

On Platismatia glauca (thallus).

SWEDEN. Jämtland: Åre par., Storlien, c. 1 km NE of Brudslöjan waterfall. 63°19'N, 12°3'E. Alt. c. 500 m. On the trunk of a *Picea abies* in a *Picea* forest.

15.VIII.1948 R. Santesson (n. 48466)

Note: *A. parmeliarum* on *Platismatia glauca* was described as *A. cetrariae*. - *Nesolechia oxyspora* is also found in most of the specimens distributed.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

128. *Arthonia linitae* R. Sant.

Thunbergia 6: 1, 1988.

On Lobaria linita (thallus).

SWEDEN. Torne Lappmark: The Torneträsk area, Abisko, 0.5 km ENE of the Scientific Research Station. 68°21'N, 18°50'E. Alt. 350 m. In an open *Empetrum* heath.

16.VIII.1986 R. Santesson (n. 31646 b)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

129. *Carbonea vitellinaria* (Nyl.) Hertel

Mitt. Bot. München 19: 441-447, 1983. - Lecidea vitellinaria Nyl., Bot. Notiser 1852: 177, 1852.

On Candelariella coralliza (thallus).

SWEDEN. Uppland: Danmark par., Pustnäs. 59°48'N, 17°40'E. On the top of a boulder in a field near the river Fyrisån.

13.V.1957 R. Santesson (n. 11710)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

130. *Cercidospora lichenicola* (Zopf) Hafellner

Herzogia 7: 360. - Leptosphaeria lichenicola Zopf, Hedwigia 35: 358, 1896.

On Solorina crocea (thallus).

SWEDEN. Torne Lappmark: the Torneträsk area, Mt Låktatjåkka, the southern slope. 68°24'N, 18°27'E. Alt. c. 1200 m. In a snow bed.

7.VIII.1944 R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

131. *Endococcus alpestris* D. Hawksw.

Notes R. Bot. Gard. Edinb. 40(2): 379, 1982.

On Usnea sp. (thallus).

FRANCE. Corrèze: the ruins of Château de Ventadour (SE of Egletons), in the valley of la Luzège. In an oak grove.

VIII.1985 leg. & det. E. Sérusiaux (n. 7816)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

132. *Guignardia olivieri* (Vouaux) Sacc.

Syll. Fung. 24: 786, 1928. - *Laestadia oliveri* Vouaux, Bull. Soc. Mycol. Fr. 28: 216, 1912.

On *Xanthoria parietina* (thallus).

SWEDEN. Öland: Persnäs par., c. 1 km NNE of Grytehamn. 57°7'N, 16°55'E. On calcareous rocks.

9.VII.1964

R. Santesson (n. 16413)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

133. *Hobsonia santessonii* Lowen & D. Hawksw.

in Lowen, Brady, Hawksworth & Paterson, Mycologia 78 (5): 844, 1986.

On *Peltigera scabrosa* (thallus).

SWEDEN. Torne Lappmark: the Torneträsk area, Abisko, between the Scientific Research Station and the Tourist Station. 68°22'N, 18°49'E. Alt. c. 400 m. On mossy ground in a subalpine birch forest.

3.VIII.1947

R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

134. *Karsteniomyces peltigeræ* (P. Karsten) D. Hawksw.

Transact. Br. Mycol. Soc. 74(2): 371, 1980. - *Stagonopsis peltigeræ* P. Karsten, Meddel. Soc. Fauna Fl. Fenn. 14: 106, 1887.

On *Peltigera rufescens* (thallus).

SWEDEN. Östergötland: Källstad par., Hånger. 58°22'N, 14°48'E. On the ground in an open *Pinus sylvestris* forest.

5.VII.1948

R. Santesson (48153)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

135. "*Lecidea*" *punctum* (Massal.) Jatta

Sylloge Lich.: 353, 1900. - *Nesolechia punctum* Massal., Miscell. Lich.: 43(13), Dec. 1856.

On *Cladonia* sp. (phyllocladia).

SWEDEN. Härjedalen: Tännäs par., the valley of the river Ljusnan c. 1 km ESE of Hotel Ramundberget. 62°42'N, 12°24'E. Alt. 730 m. On a decaying trunk in a subalpine birch forest.

29.VII.1987

R. Santesson (n. 31858)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

136. *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 *Parmelia olivacea* (apothecia).

SWEDEN. Härjedalen: Tännäs parish, the valley of the river Ljusnan, Ramundberget, 0.8 km S of Hotel Ramundberget. 62°42'N, 12°24'E. Alt. 700 m. On twigs of a birch in a subalpine birch forest.

3.VIII.1988

R. Santesson (n. 32454 b)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

137. *Lichenostigma rugosa* G. Thor

Lichenologist 17: 269, 1985.

On *Diploschistes scruposus* (thallus and apothecia).

LUXEMBOURG. NE Feulen, Wark valley. On a slate-rock.

1.V.1984

leg. et det. P. Diederich (n. 5472)
confirm. G. Thor

Note: Published and illustrated in Diederich, Lejeunia, nouv. ser. 119: 7-9, 1986. Specimens partly lichenized.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

138. *Muellerella pygmaea* (Körber) D. Hawksw.

Bot. Notiser 132: 289, 1979. - *Tichothecium pygmaeum* Körber, Denkschr. Schles. Ges. Vaterl. Cult. 1853: 231, 1853.

On *Lecanora* sp. (thallus).

SWEDEN. Torne Lappmark, the Torneträsk area, Kärkevagge, c. 1 km NNW of Lake Rissajaure (Kärkevaggepadajaure). 68°23'N, 18°21'E. Alt. c. 770 m. On a gigant boulder.

12.VIII.1986 L. Tibell & R. Santesson (n. 31602)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

139. *Nectriella erythrinella* (Nyl.) Weese

Ann. Myc. 12: 141, 1914. - *Sphaeria erythrinella* Nyl., Not. Sällsk. Fauna Fl. Fenn. Förh., ser. alt., 1: 125, 1859, and 10: 90, 1868.

On *Peltigera didactyla* (thallus).

SWEDEN. Härjedalen: Tännäs par., the valley of River Ljusnan c. 1 km SE of Hotel Ramundberget. 62°42'N, 12°24'E. Alt. 700 m. On a roadcutting.

1.VIII.1987 R. Santesson (n. 31869)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

140. *Nesolechia oxyspora* (Tul.) Massal.

Miscell. Lich.: 13, 1856. - *Abrothallus oxysporus* Tul., Ann. Sci. Nat. Bot. sér. 3, 17: 116, 1852.

On *Hypogymnia tubulosa* (thallus).

CANARY ISLAND. Tenerife: Monte La Esperanza, Cumbre de La Victoria (c. 5 km SE of La Victoria de Ancentejo). 28°24'N, 16°26'W. Alt. c. 1700 m. On *Pinus canariensis* (twigs) in an open *P. canariensis* forest.

8.I.1968 R. Santesson (n. 19498)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

141. *Phacopsis huuskonenii* Räs.

Schedae, Lichenotheca Fennica, fasc. 19-21, n. 525, 1949; Hawksworth, Notes R. Bot. Gard. Edinb. 36: 187-189, 1978.

On *Bryoria capillaris* and *B. fuscescens* (thallus).

SWEDEN. Dalarna: Grangärde par., E of Lake Långsjön, c. 2 km SSW of Tuna-Hästberg. 60°19'N, 15°10'E. On twigs of *Picea abies* in a rather dense *Picea* forest.

31.III.1959 R. Santesson (n. 12743)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

142. "*Phragmonaevia*" *fuckelii* Rehm

Rabenhorst's Kryptogamen-Flora, 2. Aufl., 1(3): 166, 1888.

On *Peltigera rufescens* (thallus).

SWEDEN. Värmland: Dalby par., near the waterfall of Digerfallet in the stream of Tåsan. 60°47'N, 12°46'E. On a grass-grown field.

14.VI.1956 R. Santesson (n. 11235)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

143. *Plectocarpon lichenum* (Sommerf.) D. Hawksw.

in Hawksworth and Galloway, Lichenologist 16: 86, 1984. - *Dothidea lichenum* Sommerf., Suppl. Flor. Lapp.: 224, 1826. *Fries* Elench. Fung. 2: 123, 1828.

On *Lobaria pulmonaria* (thallus).

SWEDEN. Uppland: Vänge par., Fiby urskog (S of Lake Fibysjön). 59°53'N, 17°21'E. On *Populus tremula* in the dense forest N of Getryggen.

28.IV.1942 R. Santesson (n. 4855)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

144. *Polycoccum squamarioides* (Mudd) Arnold

Flora 57: 174, 1874. - *Sphaeria squamarioides* Mudd, Monogr. Br. Lich.: 130, 1861.

On *Placopsis gelida* (thallus).

NORWAY. Nordland: Ankenes parish, between Rombaksbotn and the railway station of Katterat. On rocks near a waterfall in a stream. 68°25'N, 17°56'E. Alt. 110-130 m.

30.VIII.1959

R. Santesson (n. 13493b)

Note: *Polycoccum gelidaria* (Mudd) D. Hawksw. is also present in some of the specimens distributed.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

145. *Rosellinula frustulosae* (Vouaux) R. Sant.

Thunbergia 6: 7, 1988. - *Muellerella frustulosae* Vouaux, Bull. Soc. Mycol. Fr. 29: 43, 1913.

On *Lecanora argopholis* (thallus).

SWITZERLAND. Kant. Wallis: Sion, Mt d'Orge. 46°11'N, 7°20'E. Alt. 650-750 m. On rocks in a "Bergsteppe".

15.V.1987

R. Santesson (n. 31722)

R. Santesson: FUNGI LICHENICOLI EXSICCATI

146. *Scutula stereocaulorum* (Anzi) Körber

Parerga Lich., Lief. 5: 455, 1856. - *Lecidea? stereocaulorum* Anzi, Comment. Soc. Crittog. Ital. 1(3): 155, 1862.

On *Stereocaulon* sp. (thallus).

SWEDEN. Torne Lappmark: the Torneträsk area, on the highest top of Mt Pallemtjåkka. 68°15'N, 18°49'E. Alt. 1730 m.

9.VIII.1945

R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

147. *Stigmidium fuscatae* (Arnold) R. Sant. **comb. nov.**

Basionym: *Arthopyrenia fuscatae* Arnold, Flora 57: 139, 1874. - Syn. *Pharcidia lichenum* f. *fuscatae* Arnold, Verh. Zool.-Bot. Ges. Wien 22: 302, 1872, nom. invalid. Art. 43: 1; *Pharcidia fuscatae* (Arnold) Vouaux, Bull. Soc. Mycol. Fr. 28: 237, 1912.

On *Acarospora fuscata* (thallus).

SWEDEN. Skåne: S. Mellby par., Stenshuvud. 55°40'N, 14°17'E. On rocks on the top of the mountain.

10.VII.1947

R. Santesson

Note: This species was distributed in fasc. 3, n. 71 and incorrectly named *Stigmidium dispersum*.

R. Santesson: FUNGI LICHENICOLI EXSICCATI

148. *Stigmidium schaeereri* (Massal.) Trevisan

Conspect. Verruc.: 17, 1860. - *Sphaeria schaeereri* Massal., Sulla Lecidea Hookeri, : 8, 1853.

On *Lecanora carpinea* (apothecia).

SWEDEN. Skåne: Rörum par., between Mossaryd and the parish church. 55°38'N, 14°16'E. On a Salix by a road.

9.VII.1947

R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

149. *Vouauxiella lichenicola* (Lindsay) Petrak & H. Sydow

Fedde's Repert. spec. nov., Beih. 42(3): 484, 1927. - *Torula lichenicola* Lindsay, Trans. R. Soc. Edinb. 25: 515, 1869.

On *Lecanora* cf. *chlarotera* (apothecia).

SWEDEN. Skåne: Vallby par., Glimmingehus. 55°30'N, 14°14'E. On *Aesculus hippocastanum* by a road.

15.VII.1947

R. Santesson

R. Santesson: FUNGI LICHENICOLI EXSICCATI

150. *Vouauxiomyces ramalinae* (Nordin) D. Hawksw.

Bull. Brit. Mus. Nat. Hist. (Bot.) 9(1): 67, 1981. - Phoma ramalinae Nordin, Svensk Bot. Tidskr. 58: 227, 1964.

On Ramalina fraxinea (apothecia).

SWEDEN. Gotland: Vall par., near the parish church. 57°31'N, 18°21'E. On *Acer platanoides*.

6.V.1963 leg. et det. Ingvar Nordin (n. 1822 a)

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1. L. Tibell, Caliciales exsiccatae, fasc. I (Nos 1-25), 1978
2. K. Vanky, Ustilaginales, fasc. I-V (Nos 1-125), 1979
3. K. Vanky, Ustilaginales, fasc. VI-X (Nos 126-250), 1979
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18. Fungi Exsiccati Suecici, fasc. LXVI (Nos 3251-3300), 1985
19. R. Moberg, Lichen exsiccata and other collections in UPS, 1986

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1. L. Tibell, Caliciales exsiccatae, fasc. 6 (Nos 126-150), 1986
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