Selected exsiccates of *Caloplaca*, Fasc. 1 (Nos 1–25)

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Abstract: Fascicle 1 of *Selected exsiccates of Caloplaca* comprises 25 collections of lichens from the following countries (and administrative subdivisions): Austria (Styria), Bulgaria (Burgas, Khaskovo, Kurdzhali, Plovdiv), and the Czech Republic (Central Bohemia, South Bohemia, North Moravia, South Moravia). The fascicle includes isotype material of *Caloplaca soralifera*. The recently described *C. erodens* and some little-known species are included. All samples were collected and identified by the author.

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Introduction

The exsiccate collection '*Selected exsiccates of Caloplaca*' is aimed at including species of the genus *Caloplaca* (Teloschistales, lichenized fungi) from all over the world. Although the modern molecular phylogenetic studies find the genus *Caloplaca* paraphyletic, the classic concept used in most recent checklists is followed here.

'*Selected exsiccates of Caloplaca*' is distributed on exchange basis to the following 15 herbaria and private collections (herbarium abbreviations follow http://sciweb.nybg.org/science2/IndexHerbariorum.asp): ASU, B, C, CANB, CBFS, F, GZU, H, HMAS, LE, M, MIN, TNS, UPS, herb. Lendemer. Contributions to this exsiccate are welcome.

Abbreviations of authors of plant names are taken from http://cms.huh. harvard.edu/databases/botanist_index.html. Names of countries and states (or provinces or principial subdivisions) are based upon a list from http://www.ars-grin.gov/cgi-bin/npgs/html/geolist.pl.

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1. Caloplaca arenaria (Pers.) Müll.Arg. (1862)

Bas.: *Lichen arenarius* Pers. (1794)
Syn.: *Caloplaca lamprocheila* (DC.) Flagey (1888), *Caloplaca oxfordensis* Fink ex J.Hedrick (1934), *Caloplaca subpallida* H.Magn. (1945)

CZECH REPUBLIC, Central Bohemia: Beroun District, Křivoklát, rocks in the protected area "Brdartka", 2 km NE of the village, alt. 300 m, 50°03'N, 13°53'40"E.

Saxicolous on a SE-exposed base-rich schist rock.

23.III.2003 leg. & det. J. Vondrák

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2. Caloplaca cerinelloides (Erichsen) Poelt (1993)

Bas.: *Caloplaca pyracea* (Ach.) Th.Fr. var. *cerinelloides* Erichsen (1930)

AUSTRIA, Steiermark: Leoben District, 2 km W of the village Proleb, Grillbichler Alm, alt. 800 m, 47°24'30"N, 15°06'40"E.

Corticolous on bark of *Sambucus nigra*, abundant on trunk and twigs.

24.VII.2004 leg. & det. J. Vondrák

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3. Caloplaca flavocitrina (Nyl.) H.Olivier (1909)

Bas.: *Lecanora flavocitrina* Nyl. (1886)
Syn.: *Caloplaca cirtrina* (Hoffm.) Th.Fr. var. *flavocitrina* (Nyl.) W.Watson

CZECH REPUBLIC, South Bohemia: pre-mountains of the Bohemian Forest (=Šumava), Prachatice District, Husinec, north facing stone wall in the village Výrov, alt. 520 m., 49°03'00"N, 13°59'50"E.

On weathered gneiss stones in an old wall, under dimly lit and humid conditions.

5.IV.2003 leg. & det. J. Vondrák

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4. Caloplaca demissa (Körb. ex Flot.) Arup & Grube (1999)

Bas.: *Placodium demissum* Körb. ex Flot. (1859)
Syn.: *Lecanora demissa* (Körb. ex Flot.) Zahlbr. (1898)

CZECH REPUBLIC, Central Bohemia: Beroun District, Křivoklát, rocks in the protected area "Brdartka", 2 km NE of the village, alt. 300 m, 50°03'N, 13°53'40"E.

Saxicolous on a SE-exposed base-rich schist rock.

23.III.2003 leg. & det. J. Vondrák

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5. Caloplaca erodens Tretiach, Pinna & Grube (2003)

CZECH REPUBLIC, South Moravia: Pavlovské vrchy hills, Břeclav District, Mikulov, limestone rocks at the foot of the hill Svatý kopeček, at the eastern edge of the town, alt. 300 m, 48° 48'29"N, 16°39'00"E.

Saxicolous on exposed, well-lit hard limestone rocks.

Note: Samples contain only sterile material, which morphologically agrees with the isotype specimens (Vězda: Lich. Rar. Exs. 499).

19.V.2004 leg. J. Vondrák, M. Bartoš & J. Šoun, det. J. Vondrák

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6. Caloplaca flavocitrina (Nyl.) H.Olivier (1909)

Bas.: *Lecanora flavocitrina* Nyl. (1886)
Syn.: *Caloplaca cirtrina* (Hoffm.) Th.Fr. var. *flavocitrina* (Nyl.) W.Watson

CZECH REPUBLIC, South Bohemia: pre-mountains of the Bohemian Forest (=Šumava), Prachatice District, Husinec, in the village Výrov, alt. 530 m, 49°03'00"N, 13°59'50"E.

On calcareous mortar on a W-exposed wall, under well-lit and arid conditions.

5.IV.2003 leg. & det. J. Vondrák

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7. Caloplaca holocarpa (Hoffm.) A.E.Wade (1965)

Bas.: *Verrucaria oblittera* * *holocarpa* Hoffm. (1796)

CZECH REPUBLIC, Central Bohemia: Rakovník District, in the village Kalubice, alt. 370 m, 50°03'N, 13°49'40"E.

Ferricolous on a metal plate leant against a N-exposed wall, in damp situation.

12.IX.2003 leg. J. Vondrák & Š. Hulová, det. J. Vondrák

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8. Caloplaca holocarpa (Hoffm.) A.E.Wade (1965)

Bas.: *Verrucaria oblittera* * *holocarpa* Hoffm. (1796)

CZECH REPUBLIC, North Moravia: Hrubý Jeseník Mountains, Bruntál District, Vrbno pod Pradědem, Karlova Studánka, alt. 880 m, 50°04'40"N, 17°17'E.

Lignicolous on a wooden railing alongside a road.

18.VI.2004 leg. J. Vondrák & M. Bartoš, det. J. Vondrák

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9. Caloplaca holocarpa (Hoffm.) A.E.Wade (1965)

Bas.: *Verrucaria oblittera* * *holocarpa* Hoffm. (1796)

AUSTRIA, Steiermark: Leoben District, 2 km NW of the village Proleb, Grillbichler Alm, alt. 800 m, 47°24'30"N, 15°06'40"E.

Saxicolous on schist stone below a N-exposed wall, in moist and partly shaded situation.

25.VII.2004 leg. & det. J. Vondrák

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10. Caloplaca obscurella (J.Lahm. ex Körb.) Th.Fr. (1871)

Bas.: *Blastenia obscurella* J.Lahm. ex Körb. (1860)
Syn.: *Placodium obscurellum* (J.Lahm. ex Körb.) Hepp (1867),
Callopisma obscurellum (J.Lahm. ex Körb.) J.Lahm (1887)

AUSTRIA, Steiermark: Leoben District, 2 km W of the village Proleb, Grillbichler Alm, alt. 800 m, 47°24'30"N, 15°06'40"E.

Corticolous on bark of *Fraxinus excelsior*, in lower part of trunk. Most abundant in SE exposition.

24.VII.2004 leg. & det. J. Vondrák

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11. Caloplaca virescens (Sm.) Coppins (1980)

Bas.: *Lepraria virescens* Sm. (1810)

BULGARIA, Khaskovo Province: Rhodope Mountains, Silen, valley of a small brook N of the village Rabovo, alt. 250 m, 41°37'N, 25°40'E.

Corticolous on bark of *Populus nigra*.

Note: *Caloplaca virescens* is dubiously distinguishable from *C. chlorina*. *Rinodina pityrea* is intermixed in the sample.

18.VIII.2004 leg. & det. J. Vondrák

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12. Caloplaca stillicidiorum (Vahl) Lynge (1921)

Bas.: *Lichen stillicidiorum* Vahl. (1792)
Syn.: *Caloplaca cerina* var. *stillicidiorum* (Vahl) Th.Fr. (1861),
Caloplaca cerina var. *chloroleuca* (Sm.) Th.Fr. (1871)

BULGARIA, Plovdiv Province: Rhodope Mountains, Asenovgrad, 5 km W of the village Dobrostan, calcareous rocks in a small polje, alt. 1300 m, 41°56'N, 24°53'E

Muscicolous on *Homalothecium sericeum, Pseudoleskeella catenulata*, and *Schistidium* cf. *crassipilum*.

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13. Caloplaca obscurella (J.Lahm. ex Körb.) Th.Fr. (1871)

Bas.: *Blastenia obscurella* J.Lahm. ex Körb. (1860)
Syn.: *Placodium obscurellum* (J.Lahm. ex Körb.) Hepp (1867),
Callopisma obscurellum (J.Lahm. ex Körb.) J.Lahm (1887)

BULGARIA, Khaskovo Province: Rhodope Mountains, Madzharovo District, Silen, in the Arda river valley below the village Rabovo, alt. 200 m, 41°37'N, 25°40'E.

Corticolous on bark of *Populus nigra*, mostly in the lower part of the trunk and on above-ground parts of roots.

18.VIII.2004 leg. & det. J. Vondrák

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14. Caloplaca arenaria (Pers.) Müll.Arg. (1862)

Bas.: *Lichen arenarius* Pers. (1794)
Syn.: *Caloplaca lamprocheila* (DC) Flagey (1888), *Caloplaca oxfordensis* Fink ex J.Hedrick (1934), Caloplaca *subpallida* H.Magn. (1945)

BULGARIA, Kurdzhali Province: Rhodope Mountains, Kaloyantsi, protected area "Youmrouk Skala", 5 km SW of the village, alt. 500 m, 41°37'N, 25°31'E

Saxicolous on acidic volcanic stones in a large stony debris on a N-exposed slope.

15.VIII.2004 leg. & det. J. Vondrák

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15. Caloplaca aff. chlorina (Flot.) H.Olivier (1909)

Bas.: *Zeora cerina* var. *chlorina* Flot. (1849)
Syn.: *Caloplaca cerina* var. *chlorina* (Flot.) Müll.Arg. (1862)

BULGARIA, Burgas Province: Coast of Black Sea, Tsarevo, Sinemorets, coastal rocks 2 km SE of village, alt. 3–10 m, 42°00'30"N, 28°00'E.

Saxicolous on coastal rocks in the mesic-supralitoral zone.

Note: *Caloplaca* aff. *chlorina* is very abundant at the cited locality. This population differs from typical *C. chlorina* by the scarcity of isidia and soralia.

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16. Caloplaca viridirufa (Ach.) Zahlbr. (1931)

Bas.: *Lecidea viridirufa* Ach. (1810)
Syn.: *Caloplaca aractina* (Fr.) Häyrén (1914)

BULGARIA, Burgas Province: Coast of Black Sea, Tsarevo, Sinemorets, coastal rocks 2 km SE of the village, alt. 0–10 m, 42°00'30"N, 28°00'E.

Saxicolous on coastal rocks in the mesic-supralitoral zone.

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17. Caloplaca fuscoatroides J.Steiner (1919)

BULGARIA, Burgas Province: Coast of Black Sea, Tsarevo, Sinemorets, coastal rocks 2 km SE of the village, alt. 10–30 m, 42°00'30"N, 28°00'E.

Saxicolous on coastal rocks in the supralitoral zone.

Note: Although morphologically indistinguishable, *Caloplaca ceracea* J.R.Laundon (1992) differs from *C. fuscoatroides* in ITS sequences.

23.VIII.2004 leg. & det. J. Vondrák

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18. Caloplaca inconnexa var. **nesodes** Poelt & Nimis (1987)

[parasitic on *Aspicilia* spec.]

BULGARIA, Burgas Province: Coast of Black Sea, Tsarevo, Sinemorets, coastal rocks 2 km SE of the village, alt. 10–30 m, 42°00'30"N, 28°00'E.

Saxicolous on coastal rocks in the supralitoral zone.

Note: Bulgarian specimens agree well with the type material of *Caloplaca inconnexa* var. *nesodes* (Italy, GZU, holotype!).

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19. Caloplaca aff. **microthallina** (Wedd.) Zahlbr. (1931)

Bas.: *Lecanora microthallina* Wedd. (1875)

BULGARIA, Burgas Province: Coast of Black Sea, Tsarevo, Sinemorets, coastal rocks 2 km SE of the village, alt. 0–5 m, 42°00'30"N, 28°00'E.

Saxicolous on coastal rocks in the mesic-supralitoral zone.

Note: This sample differs from typical *Caloplaca microthallina* by its continuous, partially rimose thallus. It also resembles *C. maritima* (de Lesd.) de Lesd.

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20. Caloplaca thallincola (Wedd.) Du Rietz (1925)

Bas.: *Lecanora murorum* var. *thallincola* Wedd. (1875)

BULGARIA, Burgas Province: Coast of Black Sea, Tsarevo, Sinemorets, coastal rocks 2 km SE of the village, alt. 0–10 m, 42°00'30"N, 28°00'E.

Saxicolous on coastal rocks in the mesic-supralitoral zone.

Note: *Caloplaca thallincola* can hardly be distinguished from *C. aegaea* Sipman (2002).

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21. Caloplaca crenulatella (Nyl.) H.Olivier (1909)

Bas.: *Lecanora crenulatella* Nyl. (1886)

CZECH REPUBLIC, South Bohemia: Tábor District, military airport SE of the town Bechyně, alt. 440 m, 49°17'N, 14°30'E.

Saxicolous on horizontal faces of a concrete wall.

9.IX.2004 leg. & det. J. Vondrák

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22. Caloplaca soralifera Vondrák & Hrouzek (2006) **- isotype -**

CZECH REPUBLIC, Central Bohemia: Rakovník District, Křivoklát, near a small pond in the village Kalubice, alt. 348 m, 50°02'56.3"N, 13°49'30.4"E.

Saxicolous on horizontal faces of a concrete wall.

28.XII.2004 leg. & det. J. Vondrák

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23. Caloplaca crenulatella (Nyl.) H.Olivier (1909)

Bas.: *Lecanora crenulatella* Nyl. (1886)

CZECH REPUBLIC, Central Bohemia: Beroun District, in the town of Beroun at the railway station, alt. 230m, 49°57'N, 14°05'E.

Saxicolous on iron-enriched pebbles in a railway line.

21.XII.2006 leg. & det. J. Vondrák & J. Šoun

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24. Caloplaca soralifera Vondrák & Hrouzek (2006)

CZECH REPUBLIC, Central Bohemia: Beroun District, Kárlštejn, at the railway station, alt. 220 m, 49°55'53.36"N,14°10'9.78"E.

Saxicolous on iron-enriched pebbles in a railway line.

Note: *Caloplaca flavocitrina* and *Candelariella aurella* are intermixed.

28.IV.2006 leg. & det. J. Vondrák

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25. Caloplaca decipiens (Arnold) Blomb. & Forssell (1880)

Bas.: *Physcia decipiens* Arnold (1867)

CZECH REPUBLIC, Central Bohemia: Rakovník District, Křivoklát, in the village Kalubice, alt. 350 m, 50°02'56.3"N, 13°49'30.4"E.

On old mortar.

28.XII.2004 leg. & det. J. Vondrák