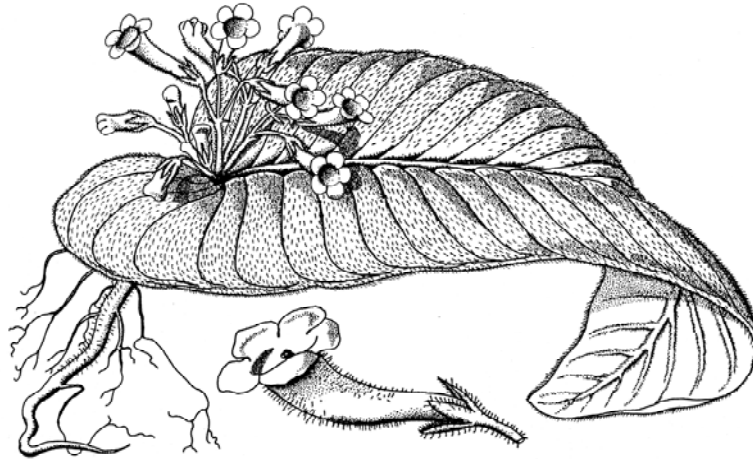


FRITSCHIANA

62



Veröffentlichungen aus dem
Institut für Pflanzenwissenschaften
der Karl-Franzens-Universität Graz

Peter O. BILOVITZ, Branka KNEŽEVIĆ, Danijela STEŠEVIĆ,
Orvo VITIKAINEN, Snežana DRAGIĆEVIĆ & Helmut MAYRHOFER

**New or otherwise interesting lichenized and
lichenicolous fungi from Montenegro**

Graz, 16. Dezember 2008

Hofrat Prof. Dr. Karl FRITSCH
(* 24.2.1864 in Wien, † 17.1.1934 in Graz)

Karl FRITSCH studierte nach einem Jahr in Innsbruck an der Universität Wien Botanik und wurde dort 1886 zum Dr.phil. promoviert; 1890 habilitierte er sich. Nach Anstellungen in Wien wurde FRITSCH 1900 als Professor für Systematische Botanik an die Universität Graz berufen, wo er aus bescheidenen Anfängen ein Institut aufbaute. 1910 wurde er Direktor des Botanischen Gartens, 1916 wurde das neu errichtete Institutsgebäude bezogen. Aus der sehr breiten wissenschaftlichen Tätigkeit sind vor allem drei Schwerpunkte hervorzuheben: Floristisch-systematische Studien, besonders zur Flora von Österreich, monographische Arbeiten (besonders über *Gesneriaceae*) und Arbeiten zur systematischen Stellung und Gliederung der Monocotylen. An Kryptogamen interessierten ihn besonders Pilze und Myxomyceten.

Nachrufe: KNOLL F. 1934, Ber. Deutsch. Bot. Ges. 51: (157)–(184) (mit Schriftenverzeichnis). - KUBART B. 1935, Mitt. Naturwiss. Ver. Steiermark 71: 5–15 (mit Porträt). - TEPPNER H. 1997, Mitt. Geol. Paläont. Landesmus. Joanneum (Graz) 55: 133–136. - Im übrigen vgl. STAFLEU F.A. & COWAN R.S. 1976, Tax. Lit. 1: 892 und BARNHART J.H. 1965, Biogr. Notes Botanists 2: 12.

Graz, November 1997

H. TEPPNER

Die Serie FRITSCHIANA wurde als Publikationsorgan für die zahlreichen Aktivitäten im Zusammenhang mit der botanischen Sammlung des Institutes für Pflanzenwissenschaften, Bereich Systematische Botanik und Geobotanik (vormals Institut für Botanik), der Karl-Franzens-Universität Graz (GZU) gegründet. Vor allem Schedae-Hefte der von den Mitarbeitern herausgegebenen Exsiccatenwerke sollten hier erscheinen, aber auch Exkursionsberichte sowie Listen und Indices besonders wertvoller Bestände in GZU. Das Spektrum wurde mittlerweile auf floristische und kleinere taxonomische Arbeiten (zwischenzeitlich auch auf das Samentauschverzeichnis des Botanischen Gartens) ausgeweitet. Die Schedae-Hefte des von Prof. Dr. Josef POELT begründeten, inzwischen abgeschlossenen Exsiccatenwerkes *Plantae Graecenses* sind die Vorläufer dieser Schriftenreihe.

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New or otherwise interesting lichenized and lichenicolous fungi from Montenegro

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BILOVITZ P. O., KNEŽEVIĆ B., STEŠEVIĆ D., VITIKAINEN O., DRAGIĆEVIĆ S. & MAYRHOFFER H. 2008: New or otherwise interesting lichenized and lichenicolous fungi from Montenegro. – *Fritschiana* (Graz) 62: 1–44. - ISSN 1024-0306

Abstract: A list of 256 taxa of lichens (252 species) and 2 species of lichenicolous fungi from Montenegro is presented, including 58 taxa (57 species) new to Montenegro. The list is based on specimens kept in the lichen collections of the herbaria GZU, H, Podgorica, and in the private herbarium of Klaus Kalb, and on recent field work in various parts of the country. The genera *Biatoridium*, *Carbonea*, *Cercidospora*, *Heppia*, *Hyperphyscia*, *Hypocenomyce*, *Leprocaulon*, *Lethariella*, *Megalospora*, *Orphniospora*, *Psorinia* and *Vahliella* are reported from Montenegro for the first time.

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Introduction

In the framework of a catalogue of the lichenized fungi of Bulgaria (MAYRHOFFER et al. 2005) the lichen collection of the herbarium GZU has been evaluated for material from the Balkan Peninsula.

The specimens from Montenegro were mainly collected by the late Josef Poelt and his students Josef Hafellner and Helmut Mayrhofer in the Prokletije and Komovi mountain ranges and adjacent valleys in 1974. In addition, the specimens collected by Orvo Vitikainen and Pertti Uotila during a botanical excursion to western Yugoslavia in 1971 are considered, as well as a small number of samples collected by Klaus Kalb from the mountain Lovćen in 1972. The results of field studies in various parts of the country in the years 2004, 2005, 2007 and 2008 are also included, except for the collections from the Bjelasica mountain range (with special emphasis on the Biogradska gora National Park), which were already published in BILOVITZ et al. (2008).

Material and methods

The specimens have been identified using routine light microscopy techniques, with the aid of the following literature: POELT (1969), POELT & VĚZDA (1977, 1981), CLAUZADE & ROUX (1985) and WIRTH (1995). Some of the identifications required verification by using standardized thin-layer chromatography (TLC) following the protocols of WHITE & JAMES (1985) and ORANGE et al. (2001). The specimens are preserved in the herbaria of the Institute of Plant Sciences, Karl-Franzens-University Graz (GZU), of the Botanical Museum, University of Helsinki (H), the Natural History Museum of Montenegro (Podgorica), and a smaller number in the private collection of Klaus Kalb (Lichenologisches Institut Neumarkt/Opf., Deutschland).

The nomenclature follows SANTESSON et al. (2004) and, for taxa not represented in this study, NIMIS & MARTELOS (2003) or other modern treatments. New records for Montenegro are marked with an asterisk (*).

List of lichenized fungi

Acrocordia gemmata (Ach.) A.Massal.

Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18274, B. Nedović, B. Knežević & M. Jakić (GZU).

Amandinea punctata (Hoffm.) Coppins & Scheid.

Gornja Morača, Dragovića polje (left side of Morača river), close to the military bridge, c. 700 m, on rotten tree, 29.VII.2005, leg. S. Dragičević 0067 (Podgorica). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17884, B. Nedović & B. Knežević (GZU).

Anaptychia ciliaris (L.) Körb.

40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, on dead twigs of *Picea abies*, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7007 (H). NW of Žabljak, c. 1400 m, grazed hill, on basal trunk of a solitary *Fagus sylvatica*, leg. O. Vitikainen 7012 (H). Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 1600 m, 19.VI.1971, leg. O. Vitikainen 7170 (H). – Pass zwischen Andrijevića und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, 1650 m, 15.VII.1974, leg. J. Hafellner 212 (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1600 m, beweideter Buchenwald, 15.VII.1974, leg. H. Mayrhofer 17 (GZU); *ibid.*, ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU).

****Anaptychia setifera*** Räsänen

Pass zwischen Andrijevića und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 236, det. J. Poelt (GZU).

Arthonia radiata (Pers.) Ach.

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17886, B. Nedović & B. Knežević (GZU, associated with *Lecidella achristotera*).

Aspicilia calcarea (L.) Mudd

Prokletije-Gebirge, zwischen Čakor-Pass und Starac, ca. 1960–2000 m, ostseitige Kalksteilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17903, B. Nedović & B. Knežević (GZU).

Aspicilia cinerea (L.) Körb.

Prokletije-Gebirge, zwischen Čakor-Pass und Starac, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

This species was only known from siliceous rocks on the hill Vrmac near Kotor (Zahlbruckner 1909).

Aspicilia contorta (Hoffm.) Kremp.

Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17961, B. Knežević & S. Dragičević (GZU).

****Bacidia arceutina*** (Ach.) Arnold

Melještak creek (right confluent of Morača), approximately 200 m upstream from the mouth of the river Morača, c. 220 m, on a twig, 18.V.2005, leg. S. Dragičević 0044 (Podgorica, with *Frullania dilatata* (L.) Dumort.).

Bacidia laurocerasi (Delise ex Duby) Zahlbr.

Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17972, B. Knežević & S. Dragičević (GZU).

****Biatoridium monasteriense*** J.Lahm ex Körb.

Gornja Morača, Žlijeb (up to the spring of Morača), c. 1200 m, on soil, 29.VII.2005, leg. S. Dragičević 0070 (Podgorica).

Caloplaca alnetorum Giralto, Nimis & Poelt

Lovćen Gebirge oberhalb von Kotor, 250 m, on *Thuja*, 05.IV.1972, leg. K. Kalb (Kalb).

This is the first confirmed record for Montenegro. The dot on the map provided by GIRALTO et al. (1992) does not correspond to any locality given under their paragraph on examined specimens.

* ***Caloplaca arnoldii*** (Wedd.) Zahlbr.

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ostseitige Kalk-Steilhänge südöstlich des Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt, conf. E. Gaya & P. Navarro-Rosinés (GZU).

* ***Caloplaca biatorina*** (A.Massal.) J.Steiner

3 km SO Andrijevića, am Weg zum Čakor-Pass, 14.VII.1974, leg. J. Hafellner 1197 (GZU). Prokletije-Gebirge, Đevojački krš (= Gebiet südlich des Čakor-Passes), ostseitige Kalk-Steilhänge südöstlich des Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU).

Caloplaca cerina (Hedw.) Th.Fr.

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, on *Fagus sylvatica* in grass-herb forest, 16.VI.1971, leg. O. Vitikainen 7043 (H); *ibid.*, on trunk of *Acer pseudoplatanus*, 16.VI.1971, leg. O. Vitikainen 7037 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Pinus mugo* zone, on solitary *Populus tremula*, 17.VI.1971, leg. O. Vitikainen 7181 p.p., 7423 p.p. (H). – Lovćen, oberhalb von Kotor, 1250 m, on *Populus*, 05.IV.1972, leg. K. Kalb 4573 (Kalb). Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18273, B. Nedović, B. Knežević & M. Jakić (GZU).

Caloplaca cf. chalybeia (Fr.) Müll.Arg.

Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17905, B. Nedović & B. Knežević (GZU).

* ***Caloplaca cirrochroa*** (Ach.) Th.Fr.

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ostseitige Kalk-Steilhänge südöstlich des Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU).

* ***Caloplaca citrina*** (Hoffm.) Th.Fr.

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on limestone cliffs, 26.III.2008, leg. H. Mayrhofer 17938 & D. Stešević (GZU). – Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17963, B. Knežević & S. Dragičević (GZU).

Caloplaca coccinea (Müll.Arg.) Poelt

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ostseitige Kalk-Steilhänge südöstlich des Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU).

Caloplaca crenularia auct.

Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17995, B. Knežević & S. Dragičević, det. J. Vondrák (GZU). – Boljevići W of Virpazar, along the

road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17838 & D. Stešević (GZU).

This species was only known from hornfels and siliceous rocks in the environment of Herceg Novi (SERVIT 1931, as *C. festiva*).

****Caloplaca crenulatella*** (Nyl.) H.Olivier

Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17964, B. Knežević & S. Dragičević, det. J. Vondrák (GZU).

Caloplaca ferruginea (Huds.) Th.Fr.

Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Kučki Kom, 1650 m, 15.VII.1974, leg. J. Hafellner 208, det. J. Poelt (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU).

****Caloplaca flavescens*** (Huds.) J.R.Laundon

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on limestone cliffs, 26.III.2008, leg. H. Mayrhofer 17937 & D. Stešević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17902, B. Nedović & B. Knežević (GZU).

****Caloplaca flavocitrina*** (Nyl.) H.Olivier

Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17964, B. Knežević & S. Dragičević, det. J. Vondrák (GZU, associated with *C. crenulatella*).

Caloplaca flavorubescens (Huds.) J.R.Laundon

Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 1600 m, 19.VI.1971, leg. O. Vitikainen 7174 (H); *ibid.*, on trunk of old *Salix*, leg. O. Vitikainen 7156 (H).

Caloplaca flavovirescens (Wulfen) Dalla Torre & Sarnth.

Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17965, B. Knežević & S. Dragičević (GZU).

This species was only known from limestone in the environment of Herceg Novi (KÖRBER 1867, as *Callopisma aurantiacum* f. *flavovirescens*).

****Caloplaca fuscoatroides*** J.Steiner

SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150–1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević, det. J. Vondrák (GZU).

Caloplaca herbidella (Hue) H.Magn.

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17867, B. Nedović & B. Knežević (GZU).

Caloplaca holocarpa (Hoffm.) A.E.Wade

40 km NNE of Nikšić, 7 km SSE of Žabljak, Bare, c. 1400 m, on decaying boards on roof of a shed near the village, 18.VI.1971, leg. O. Vitikainen 7223 p.p. (H).

****Caloplaca insularis*** Poelt

Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, J. Poelt (GZU).

****Caloplaca* cf. *phlogina*** (Ach.) Flagey

Medun, 42°28'02"N/19°21'11"E, c. 450 m, roadside trees, on bark of *Ulmus*, 02.IV.2004, leg. H. Mayrhofer 17921, B. Nedović & B. Knežević (GZU).

Caloplaca pyracea (Ach.) Th.Fr.

40 km NNE of Nikšić, 7 km SSE of Žabljak, Bare, c. 1400 m, on decaying boards on roof of a shed near the village, 18.VI.1971, leg. O. Vitikainen 7223 p.p. (H). Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 17.VI.1971, leg. O. Vitikainen 7181, 7423 (H). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17974, B. Knežević & S. Dragičević (GZU).

****Caloplaca saxifragarum*** Poelt

Montes Durmitor, (pars merid.), ad latera montis Zupci supra transitum sedlo, alt. 2000–2100 m, in rupibus calcareis et supra plantas destructas, 22.VIII.1984, A. Vězda (GZU).

Caloplaca stillicidiorum (Vahl) Lynge

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7064 (H).

****Caloplaca xantholyta*** (Nyl.) Jatta

Kuči, Medun, 42°28'22"N/19°21'45"E, c. 500 m, rocky slopes, on limestone, 02.IV.2004, leg. H. Mayrhofer 17918, B. Nedović & B. Knežević (GZU). – Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17987, B. Knežević & S. Dragičević (GZU).

****Caloplaca xanthostigmoidea*** sensu auct. pro parte non (Räsänen) Zahlbr. (? syn. *C. epiphyta* Lynge)

Prokletije-Gebirge, Gebiet zwischen Čakor Pass (1849 m) und Starac (2426 m), Silikat und Kalk, 14.VII.1974, leg. J. Poelt (GZU).

HAFELLNER et al. (2008) discuss the status of the taxon in more detail. VONDRÁK et al. (2008) report it from the mountains of the Greek island Crete.

Calvitimela armeniaca (DC.) Hafellner

Prokletije-Gebirge, Gebiet südlich des Čakor Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

This species was only known from hornfels in the Bjelasica mountain range (BILOVITZ et al. 2008).

Candelaria concolor (Dicks.) Stein

Morača river canyon, north of Milunovići village (right side of Morača river), c. 120 m, on bark of *Quercus* sp., 14.VIII.1997, leg. S. Dragičević 0080 (Podgorica, with *Ulota crispa* (Hedw.) Brid.). Ras NW of Smokovac NE of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on bark of *Quercus troyana*, 26.III.2008, leg. H. Mayrhofer 17947 & D. Stešević (GZU). – Podgorica, hostel Blue Castle, 42°26'44"N/19°15'11"E, c. 60 m, roadside trees in front of the hostel, on bark of *Acer*, 01.IV.2004, leg. H. Mayrhofer 17910 (GZU); *ibid.*, on bark of *Melia?*, 01.IV.2004, leg. H. Mayrhofer 17911 (GZU). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Arbutus unedo*, 28.III.2008, leg. H. Mayrhofer 17967, B. Knežević & S. Dragičević (GZU); *ibid.*, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17976, B. Knežević & S. Dragičević (GZU). – Rumija, Gornja Briska above Livari, 42°06'57"N/19°13'07"E, c. 500 m, roadside trees near farmhouse, 03.IV.2004, leg. H. Mayrhofer 17898, B. Nedović & B. Knežević (GZU).

Candelariella aurella (Hoffm.) Zahlbr.

Žabljak, Mt. Durmitor, near Crno jezero, 1700 m, *Pinus mugo* zone, rock outcrop and boulders, 19.VI.1971, leg. O. Vitikainen 7198 (H).

****Candelariella lutella*** (Vain.) Räsänen

40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 6998 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Fagus* forest, on trunk of old *Fagus*, 19.VI.1971, leg. O. Vitikainen 7162 (H); *ibid.*, *Pinus mugo* zone, on trunk of solitary *Populus tremula*, leg. O. Vitikainen 7173 (H).

Candelariella reflexa (Nyl.) Lettau

Melještak creek (right confluent of Morača), approximately 200 m upstream from the mouth of Morača river, c. 220 m, on fallen rotten tree, 18.V.2005, leg. S. Dragičević 0086 (Podgorica). Ras NW of Smokovac NE of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on bark of *Quercus troyana*, 26.III.2008, leg. H. Mayrhofer 17946 & D. Stešević (GZU).

This common species was only known from the Bjelasica (BILOVITZ et al. 2008).

Candelariella vitellina (Hoffm.) Müll.Arg.

40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, 18.VI.1971, leg. O. Vitikainen 7206 (H). – Lovćen Gebirge,

oberhalb von Kotor, 250 m, on *Robinia pseudacacia*, 05.IV.1972, leg. K. Kalb 4569, 4575, 4576 (Kalb).

Candelariella xanthostigma (Ach.) Lettau

40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7006 (H).

****Carbonea distans*** (Kremp.) Hafellner & Obermayer

Prokletije-Gebirge, Gebiet südlich des Čakor Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, auf *Orphniospora mosigii*, 14.VII.1974, leg. J. Poelt (GZU).

Catapyrenium cinereum (Pers.) Körb.

Prokletije-Gebirge, Gebiet zwischen Čakor Pass (1849 m) und Starac (2426 m), Silikat und Kalk, 14.VII.1974, leg. J. Poelt, det. O. Breuß (GZU).

Catillaria chalybeia (Borrer) A.Massal.

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17838 & D. Stešević (GZU, associated with *Caloplaca crenularia*).

Cetraria islandica (L.) Ach.

40 km NNE of Nikšić, Žabljak, NW of Crno jezero, *Picea-Abies* forest, c. 1350 m, on ground, sparsely, 16.VI.1971, leg. O. Vitikainen 7039 (H); *ibid.*, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, c. 1700 m, 19.VI.1971, leg. O. Vitikainen 7192 (H), P. Uotila 11163 (H). – Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Aufstieg zum Grat westlich des Starac-Gipfel, Bereich über der Waldgrenze, ca. 2100–2230 m, 14.VII.1974, leg. J. Poelt (GZU).

Cetraria muricata (Ach.) Eckfeldt

SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150–1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević (GZU).

This species was only known from Vlasulja (KUŠAN 1932, as *C. alpina*).

****Cladonia cenotea*** (Ach.) Schaer.

40 km NNE of Nikšić, Žabljak, c. 1350 m, W shore of Crno jezero, on decayed stump of tree in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7102 (H).

****Cladonia cervicornis*** (Ach.) Flot.

Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17998, B. Knežević & S. Dragičević (GZU).

Cladonia coniocraea (Flörke) Spreng.

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7099, 7100, 7101 (H). NW of Žabljak, Barno jezero, c. 1350 m, on decayed stump of tree in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7120 (H).

Žabljak, Mt. Durmitor, near Crno jezero, *Picea-Abies* forest, 1500 m, on decayed stump of tree, 17.VI.1971, leg. O. Vitikainen 7138 (H). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17889, B. Nedović & B. Knežević (GZU).

***Cladonia convoluta* (Lam.) Anders**

Morača river canyon, right side of Morača river, opposite to Duga Monastery, c. 110 m, on rock, 14.VIII.1997, leg. S. Dragičević 0049 (Podgorica). Bioče, right side of Morača, Vežišta (upstream from Piletići houses), c. 90 m, on rock close to the water, 18.V.1997, leg. S. Dragičević 0091 (Podgorica). Bioče, confluence of Mala rijeka and Morača river, c. 100 m, on soil, 26.X.2005, leg. S. Dragičević 0003, 0023 (Podgorica, with *Pleurochaete squarrosa* (Brid.) Lindb. and *Plagiomnium affine* (Blandow ex Funck) T.J. Kop.). Bioče, confluence of Mala rijeka and Morača river (right side of Morača), c. 100 m, on soil, 26.X.2005, leg. S. Dragičević 0002, 0004 (Podgorica, with *Hypnum cupressiforme* Hedw. and *Homalothecium lutescens* (Hedw.) H.Rob.). – Podgorica, Zlatica (left side of Morača river), c. 45 m, close to the riverside, on soil, 25.IV.1997, leg. S. Dragičević 0021 (Podgorica). Podgorica, City beach (Momišići), c. 45 m, on soil, 15.IX.2005, leg. S. Dragičević 0007 (Podgorica, with *Pleurochaete squarrosa*). Confluence of Morača and Skadar lake, right side of Morača river, c. 6 m, willow forest, humus on rock, 04.X.2005, leg. S. Dragičević 0035 (Podgorica, with *Pleurochaete squarrosa*). – Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17999, B. Knežević & S. Dragičević (GZU).

***Cladonia fimbriata* (L.) Fr.**

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, limestone cliff, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7030a, det. T. Ahti (H). – Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17621 & B. Nedović (GZU). – Bioče, 200 m upstream from the mouth of Mala rijeka (left side), c. 100 m, on soil, 26.X.2005, leg. S. Dragičević 0010 (Podgorica, with *Hypnum cupressiforme* and *Pleurochaete squarrosa*).

Cladonia furcata* (Huds.) Schrad. subsp. *furcata

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7020, conf. S. Hammer (H); *ibid.*, in rock crevices and terraces by trail in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7079, conf. S. Hammer (H). – Gornja Morača, Ljevišta, c. 1000 m, on rock, 29.VI.2005, leg. S. Dragičević 0064 (Podgorica, with *Abietinella abietina* (Hedw.) M.Fleisch. and *Hypnum cupressiforme*). Bioče, confluence of Mala rijeka and Morača, c. 100 m, on soil, 26.X.2005, leg. S. Dragičević 0003 (Podgorica, with *Pleurochaete squarrosa*). – Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17997, B. Knežević & S. Dragičević (GZU).

***Cladonia furcata* subsp. *subrangiformis* (Sandst.) Abbayes**

Bioče, 200 m upstream from the mouth of Mala Rijeka (left side), c. 100 m, on soil, 26.X.2005, leg. S. Dragičević 0011 (Podgorica, with *Hypnum cupressiforme*). This taxon was only known from the Durmitor National Park (ŽUKOVEC 2005).

***Cladonia pocillum* (Ach.) O.J.Rich.**

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7027, 7028 (H). Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, 1700 m, rock outcrop and boulders, 17.VI.1971, leg. O. Vitikainen 7187, conf. A. Kowalewska (H).

***Cladonia pyxidata* (L.) Hoffm.**

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7032, 7065, 7068, 7080 (H). Žabljak, Mt. Durmitor, near Crno jezero, c. 1800 m, limestone cliff, 19.VI.1971, leg. P. Uotila 11165 (H). – Gornja Morača, Vragodo (spring of Morača river), c. 1600 m, on rock close to water, 11.X.2001, leg. S. Dragičević 0104 (Podgorica, with *Pellia epiphylla* (L.) Corda). Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragičević 0062 (Podgorica, with *Hypnum cupressiforme* and *Ditrichum flexicaule* (Schwägr.) Hampe). Gornja Morača, Ratnja river (right confluent of Morača), 500 m upstream from the mouth of Morača river, c. 550 m, termophilic wood, on soil, 27.X.2004, leg. S. Dragičević 0105 (Podgorica, with *Hypnum cupressiforme*). Međurječje, Pernica (delta of Mrtvica river to Morača river), c. 180 m, on soil, 08.VII.1997, leg. S. Dragičević 0076 (Podgorica, with *Homalothecium sericeum* (Hedw.) Schimp.). Bioče, confluence of Mala rijeka and Morača river (right side of Morača), c. 100 m, on soil, 26.X.2005, leg. S. Dragičević 0025 (Podgorica). Morača river canyon, left side of Morača, along the road to Duga Monastery, c. 110 m, on stone wall, 14.VIII.1997, leg. S. Dragičević 0083 (Podgorica, with *Leptodon smithii* (Hedw.) F. Weber & D. Mohr. and *Homalothecium sericeum*). – Confluence of Morača and Skadar lake, right and left side, c. 6 m, in willow forest and out of it, on soil, 04.X.2005, leg. S. Dragičević 0028, 0036 (Podgorica, with *Scorpiurium circinatum* (Brid.) M. Fleisch. & Loeske and *Tortella inclinata* (R.Hedw.) Limpr.). – Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17996, B. Knežević & S. Dragičević (GZU). – Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on mossy bark of *Quercus pubescens*, 10.V.2007, leg. H. Mayrhofer 17826, B. Knežević & D. Stešević (GZU). Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on mossy siliceous soil, 10.V.2007, leg. H. Mayrhofer 17847 & D. Stešević (GZU). Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17890, B. Nedović & B. Knežević (GZU).

***Cladonia rangiformis* Hoffm.**

Gornja Morača, Ratnja river (right confluent to Morača river), 500 m upstream from the mouth of Morača river, c. 550 m, termophilic wood, on wood, 27.X.2004, leg. S. Dragičević 0108 (Podgorica, with *Pleurochaete squarrosa*, *Racomitrium canescens*

(Hedw.) Brid. and *Eurhynchium striatum* (Hedw.) Schimp.). Međurječje, Pernica (confluence of Mrtvica river and Morača river), c. 180 m, on soil, 08.VII.1997, leg. S. Dragičević 0074 (Podgorica, with *Hypnum cupressiforme*). Melještak creek (right confluent of Morača), c. 220 m, approximately 200 m upstream from the mouth of Morača river, on soil, 18.V.2005, leg. S. Dragičević 0084 (Podgorica, with *Hypnum cupressiforme* and *Leptodon smithii*). Bioče, confluence of Mala rijeka and Morača (right side of Morača), c. 100 m, on soil, 26.X.2005, leg. S. Dragičević 0004, 0024, 0027 (Podgorica, with *Hypnum cupressiforme*, *Homalothecium lutescens* and *Pleurochaete squarrosa*). Bioče, Mala rijeka, approximately 500 m upstream from the mouth of Morača river, c. 100 m, on soil, 26.X.2005, leg. S. Dragičević 0009 (Podgorica, with *Hypnum cupressiforme*). – Kuči, Medun, 42°28'22"N/19°21'45"E, c. 500 m, rocky slopes, on soil, 02.IV.2004, leg. H. Mayrhofer 17916, B. Nedović & B. Knežević (GZU). SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150–1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević (GZU). Confluence of Morača river and Skadar lake, right and left side of Morača river, c. 6 m, willow forest, humus on a rock, soil, 04.X.2005, leg. S. Dragičević 0034, 0037 (Podgorica, with *Leptodon smithii* and *Pleurochaete squarrosa*).

****Cladonia rei* Schaer.**

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on siliceous soil, 10.V.2007, leg. H. Mayrhofer 17846 & D. Stešević (GZU).

***Cladonia symphycarpia* (Flörke) Fr.**

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, limestone cliff, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7021 (H). – Gornja Morača, Ljevišta, c. 1000 m, on rock, 29.VI.2005, leg. S. Dragičević 0060, 0063 (Podgorica, with *Schistidium apocarpum* Bruch & Schimp. and *Hypnum cupressiforme*). Morača river canyon, right side of Morača river, opposite to Duga Monastery, c. 110 m, humus on a rock, 14.VIII.1997, leg. S. Dragičević 0093 (Podgorica, with *Pleurochaete squarrosa*). Morača river canyon, Milunovići village (right side of Morača river), c. 120 m, on rock, 14.VIII.1997, leg. S. Dragičević 0012 (Podgorica, with *Pleurochaete squarrosa* and *Scorpiurium circinatum*).

***Clauzadea metzleri* (Körb.) Clauzade & Cl.Roux ex D.Hawksw.**

Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17907, B. Nedović & B. Knežević (GZU).

This species was only known from limestone on the mountain Lovćen (SERVIT 1931, as *Protoblastenia m.*).

***Clauzadea monticola* (Schaer.) Hafellner & Bellem.**

Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17990, B. Knežević & S. Dragičević (GZU).

This species was only known from limestone in the environment of Herceg Novi (KÖRBER 1867, as *Lecidea m.*).

Collema callopismum A.Massal.

Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on calcareous rocks, 10.V.2007, leg. H. Mayrhofer 17829, B. Knežević & D. Stešević (GZU).

This species was only known from limestone in Luštica (ZAHLEBRUCKNER 1907).

Collema crispum (Huds.) Weber ex F.H.Wigg.

Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17962, B. Knežević & S. Dragičević (GZU). – Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on calcareous rocks, 10.V.2007, leg. H. Mayrhofer 17830, B. Knežević & D. Stešević (GZU).

This species was only known from limestone in the environment of Herceg Novi (SERVIT 1931).

Collema cristatum (L.) Weber ex F.H.Wigg.

Bioče, right side of Morača river, Vežišta (upstream from Piletići houses), c. 90 m, on rock close to the water, 18.V.1997, leg. S. Dragičević 0087 (Podgorica). Morača river canyon, Smokovac, right side of Morača river (meadow above the canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragičević 0066 (Podgorica, with *Pleurochaete squarrosa* and *Didymodon acutus* (Brid.) K. Saito). Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17951 & D. Stešević (GZU). – Lovćen Gebirge oberhalb von Kotor, 1110 m, an Kalk, 05.IV.1972, leg. K. Kalb 4577 (Kalb). Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders, 28.III.2008, leg. H. Mayrhofer 17988, B. Knežević & S. Dragičević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17900, B. Nedović & B. Knežević (GZU).

Collema flaccidum (Ach.) Ach.

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17859, B. Nedović & B. Knežević (GZU).

Collema furfuraceum (Arnold) Du Rietz

Morača river canyon, north from Milunovići village (right side of Morača river), c. 120 m, on bark of *Quercus* sp., 14.VIII.1997, leg. S. Dragičević 0080 (Podgorica, with *Ulota crispa*). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17984, B. Knežević & S. Dragičević (GZU).

Collema tenax (Sw.) Ach. em. Degel.

Morača river canyon, Smokovac, right side of Morača river (meadow above the canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragičević 0066 (Podgorica, with

Pleurochaete squarrosa and *Didymodon acutus*). – Podgorica, Stara Varoš, left side of Morača river (opposite to Sport Center Morača), c. 45 m, on walls of turkish fortress, 08.XI.2005, leg. S. Dragičević 0045 (Podgorica, with *Pleurochaete squarrosa* and *Scorpiurium circinatum*). Podgorica, City beach (Momišići), c. 45 m, on soil, 15.IX.2005, leg. S. Dragičević 0006, 0007 (Podgorica, with *Didymodon acutus*). – Lovćen Gebirge oberhalb von Kotor, 750 m, über Moosen auf Kalk, 05.IV.1972, leg. K. Kalb 4568 (Kalb). Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on soil in rock crevices, 28.III.2008, leg. H. Mayrhofer 17958, B. Knežević & S. Dragičević (GZU).

***Collema undulatum* Laurer ex Flot.**

Grenzgebiet zwischen Montenegro und Kosovo, Anstieg vom Čakor auf den Starac, ca. 1900 m, 14.VII.1974, leg. J. Hafellner 3236 (GZU).

***Cornicularia normoerica* (Gunnerus) Du Rietz**

Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

KÄRNEFELT (1986) has recorded this species from Montenegro without any information about the locality.

***Degelia atlantica* (Degel.) P.M.Jørg. & P.James**

Kotor, Tivat, Lastva, village, olive plantation on hillside, on trunks of *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7281, conf. P.M. Jørgensen (H).

***Degelia plumbea* (Lightf.) P.M.Jørg. & P.James**

Lovćen Gebirge, oberhalb von Kotor, 1450 m, an Fagus, 05.IV.1972, leg. K. Kalb 4548 (Kalb). Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18262, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17864, B. Nedović & B. Knežević (GZU).

***Dermatocarpon miniatum* (L.) W.Mann**

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7075 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1500–1600 m, 19.VI.1971, leg. O. Vitikainen 7152, 7191 (H).

***Diploschistes ocellatus* (Vill.) Norman**

Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17955 & D. Stešević (GZU). – Podgorica, Zlatica (left side of Morača river), close to the riverside, c. 45 m, on stone, 25.IV.1997, leg. S. Dragičević 0018 (Podgorica). Podgorica, Nijagara waterfall along river Cijevna, 42°22'59,6"N/19°17'02"E, c. 40 m, on limestone, 08.V.2007, leg. H. Mayrhofer 17849, B. Knežević & D. Stešević (GZU).

***Diploschistes scruposus* (Schreb.) Norman**

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17832 & D. Stešević (GZU).

***Endocarpon pusillum* Hedw.**

Podgorica, Stara Varoš, left side of Morača river (opposite to Sport Center Morača), c. 45 m, on walls of turkish fortress, 08.XI.2005, leg. S. Dragičević 0046 (Podgorica, with *Scorpiurium circinatum*).

***Evernia divaricata* (L.) Ach.**

40 km NNE of Nikšić, Žabljak, NW of Crno jezero, *Picea-Abies* forest, on dead twigs of *Picea abies*, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7017 (H).

***Evernia prunastri* (L.) Ach.**

Gornja Morača, Dragovića polje (left side of Morača), close to military bridge, c. 700 m, on rotten tree, 29.VII.2005, leg. S. Dragičević 0067 (Podgorica). Gornja Morača, Ratnja river (right branch of Morača river), 500 m upstream from the mouth of Morača river, c. 550 m, termophilic wood, on bark of *Fagus sylvatica*, 27.X.2004, leg. S. Dragičević 0107 (Podgorica). Melještak creek (right side of Morača river), approximately 200 m upstream from the mouth of Morača, c. 220 m, on twig, 18.V.2005, leg. S. Dragičević 0043 (Podgorica). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18258, B. Nedović, B. Knežević & M. Jakić (GZU).

***Farnoldia hypocrita* (A.Massal.) Fröberg**

Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt (GZU).

***Farnoldia jurana* (Schaer.) Hertel**

Pass zwischen Andrijevića und Babljak, am Fuß des Vasojevički Kom, ca. 1800 m, 18.VII.1974, leg. J. Hafellner 3413, det. M. Pietschmann (GZU). Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt, det. M. Pietschmann (GZU).

***Flavoparmelia caperata* (L.) Hale**

Gornja Morača, Dragovića polje (left side of Morača river), close to military bridge, c. 700 m, on rotten tree, 29.VII.2005, leg. S. Dragičević 0068 (Podgorica). Melještak creek (right side of Morača river), approximately 200 m upstream from the mouth of Morača, c. 220 m, on twig, 18.V.2005, leg. S. Dragičević 0044, 0085 (Podgorica, with *Frullania dilatata*). Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17619 & B. Nedović (GZU). Morača river canyon, Morača Monastery, left side of Morača (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragičević 0077 (Podgorica, with *Frullania dilatata*). Međurječje, Pernica (confluence of Mrtvica and Morača river), upstream from the confluence, c. 180 m, on soil, 08.VII.1997, leg. S. Dragičević 0100 (Podgorica). Morača river canyon, left side of Morača, along the road to Duga Monastery, c. 110 m, on stone wall,

14.VIII.1997, leg. S. Dragičević 0082 (Podgorica, with *Homalothecium sericeum*). – Kotor, Tivat, Lastva, village, olive plantation on hillside, on trunk of *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7276 (H). Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N /18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 19978, B. Knežević & S. Dragičević (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17851, B. Nedović & B. Knežević (GZU).

Fulgensia bracteata* (Hoffm.) Räsänen subsp. *bracteata

Prokletije-Gebirge, Đevojački krš (= Gebiet südlich des Čakor-Passes), ca. 1960–2000 m, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).

This taxon was only known from the alpine belt of the mountain Maglić (KUŠAN 1933, as *Caloplaca b.*).

****Fulgensia bracteata* subsp. *deformis* (Erichsen) Poelt**

Umgebung von Andrijevića, an der Auffahrt zum Čakor-Pass, oberhalb des Dorfes Velika, ca. 1040 m, schieferiges Gestein, 13.VII.1974, leg. J. Poelt (GZU).

***Fulgensia fulgens* (Sw.) Elenk.**

Morača river canyon, opposite to Duga Monastery (right side of Morača river), c. 110 m, on stone, 14.VIII.1997, leg. S. Dragičević 0094, 0095 (Podgorica, with *Tortella inclinata*). Bioče, right side of Morača, Vežišta (upstream from Piletići houses), c. 90 m, on rock close to water, 18.V.1997, leg. S. Dragičević 0088 (Podgorica). – Podgorica, City beach (Momišići), c. 45 m, on soil, 15.IX.2005, leg. S. Dragičević 0006 (Podgorica). Confluence of Morača and Skadar lake, right side of Morača, c. 6 m, willow forest, humus on rock, 04.X.2005, leg. S. Dragičević 0033 (Podgorica, with *Tortella* sp.).

****Fulgensia fulgida* (Nyl.) Szatala**

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on soil, 26.III.2008, leg. H. Mayrhofer 17924 & D. Stešević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17906, B. Nedović & B. Knežević (GZU).

***Fulgensia schistidii* (Anzi) Poelt**

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass und Starac; Đevojački krš, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, ca. 1960–2000 m, in Felsspalten, 14.VII.1974, leg. H. Mayrhofer 327, det. J. Poelt (GZU).

****Fuscidea kochiana* (Hepp) V.Wirth & Vězda**

Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

Fuscopannaria mediterranea (C.Tav.) P.M.Jørg.

Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17985, B. Knežević & S. Dragičević (GZU).

This corticolous species was only known from the environment of Herceg Novi (JØRGENSEN 1978).

Fuscopannaria olivacea (P.M.Jørg.) P.M.Jørg.

Kotor, Tivat, Lastva, olive plantation on hillside, on basal trunk of *Castanea sativa*, 20.VI.1971, leg. O. Vitikainen 7256, det. P.M. Jørgensen (H).

****Heppia lutosa*** (Ach.) Nyl.

SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150–1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević (GZU).

Hymenelia epulotica (Ach.) Lutzoni

Pass zwischen Andrijevica und Babljak, am Fuß des Vasojevički Kom, ca. 1800 m, Kalk, 18.VII.1974, leg. J. Hafellner 41455 (GZU).

This species was only known from limestone on the mountain Lovćen (SERVIT 1931, as *Jonaspis e.*).

****Hyperphyscia adglutinata*** (Flörke) H.Mayrhofer & Poelt

Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17977, B. Knežević & S. Dragičević (GZU).

****Hypocenomyce scalaris*** (Ach.) M.Choisy

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on lignum of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17866, B. Nedović & B. Knežević (GZU).

Hypogymnia physodes (L.) Nyl.

40 km NNE of Nikšić, NW of Žabljak, Barno jezero, c. 1350 m, *Picea-Abies* forest, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7018 (H). – Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17628 & B. Nedović (GZU).

Hypogymnia tubulosa (Schaer.) Hav.

40 km NNE of Nikšić, NW of Žabljak, Barno jezero, c. 1350 m, *Picea-Abies* forest, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7012 (H). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18270, B. Nedović, B. Knežević & M. Jakić (GZU, associated with *Melanohalea exasperata*). – Rumija, Livari, near crossing to

Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on branches of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17881, B. Nedović & B. Knežević (GZU, associated with *Melanohalea exasperata*).

Icmadophila ericetorum (L.) Zahlbr.

40 km NNE of Nikšić, NW of Žabljak, Barno jezero, on decayed stump of tree in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7117 (H).

This species was only known from the Durmitor National Park (SAVIĆ 2001).

Lecania cyrtella (Ach.) Th.Fr.

Confluence of Morača and Skadar lake, left side of Morača river, c. 6 m, willow forest, humus on rock, 04. X.2005, leg. S. Dragičević 0054 (Podgorica).

Lecania hyalina (Fr.) R.Sant.

Morača river canyon, Morača Monastery, left side of Morača (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragičević 0079 (Podgorica).

****Lecania inundata*** (Körb.) M.Mayrhofer

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on pebbles along the road, 26.III.2008, leg. H. Mayrhofer 17941 & D. Stešević (GZU). – Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, on schist, 28.III.2008, leg. H. Mayrhofer 17960, B. Knežević & S. Dragičević (GZU).

Lecanora admontensis Zahlbr.

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac (2426 m), Đevojački krš (= Gebiet südlich des Čakor-Passes), ca. 1960–2000 m, ostseitige Kalksteilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).

This species was only known from the Komovi mountain range (ANONYMUS 1975).

Lecanora agardhiana Ach. subsp. ***sapaudica*** Clauzade & Cl.Roux

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ca. 1960–2000 m, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt, det. Cl. Roux (GZU).

Lecanora argentata (Ach.) Malme

Pass zwischen Andrijevića und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 242, det. J. Poelt (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, schieferiges Gestein, beweideter Buchenwald mit *Picea abies* beigemischt, auf Rinde von *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU).

Lecanora campestris (Schaer.) Hue

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17838 & D. Stešević (GZU, associated with *Caloplaca crenularia*).

This species was only known from siliceous rocks on the hill Vrmac (ZAHLEBRUCKNER 1910).

***Lecanora carpinea* (L.) Vain.**

10 km NW of Pljevlja, c. 1150 m, on trunk of *Abies* near the road in *Picea-Abies* forest, 15.VI.1971, leg. O. Vitikainen 6994 (H). – 40 km NNE of Nikšić, Žabljak, NW of Crno jezero, c. 1350 m, on trunk of *Acer pseudoplatanus* in grass-herb forest, 16.VI.1971, leg. O. Vitikainen 7038 (H); *ibid.*, on *Fagus sylvatica*, leg. O. Vitikainen 7040, 7054, 7058 (H).

***Lecanora cenisia* Ach.**

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

***Lecanora chlarotera* Nyl.**

Melještak creek (right side of Morača river), approximately 200 m upstream from the mouth of Morača, c. 220 m, on twig, 18.V.2005, leg. S. Dragičević 0043, 0085 (Podgorica). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17981, B. Knežević & S. Dragičević (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17886, B. Nedović & B. Knežević (GZU, associated with *Lecidella achristotera*).

***Lecanora hagenii* (Ach.) Ach. var. *fallax* Hepp**

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac (2426 m), 14.VII.1974, leg. J. Poelt (GZU).

***Lecanora intumescens* (Rebent.) Rabenh.**

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, on trunk of *Fagus sylvatica* in grass-herb forest, 16.VI.1971, leg. O. Vitikainen 7044 (H).

****Lecanora leuckertiana* Zedda**

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17873, B. Nedović & B. Knežević (GZU).

***Lecanora polytropa* (Hoffm.) Rabenh.**

40 km NNE of Nikšić, Žabljak, village, c. 1350 m, 18.VI.1971, leg. O. Vitikainen 7215 (H).

***Lecanora pruinosa* Chaub.**

Kuči, Medun, 42°28'22"N/19°21'45"E, c. 500 m, rocky slopes, on limestone, 02.IV.2004, leg. H. Mayrhofer 17920, B. Nedović & B. Knežević (GZU).

This species was only known from limestone in Klinči (ZAHLEBRUCKNER 1907, as *L. sulphurella*).

***Lecanora semipallida* H.Magn.**

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ca. 1960–2000 m, ostseitige Kalksteilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).

This species was only known from limestone on the mountain Lovćen (SERVIT 1931, as *L. dispersa* f. *coniotropa*).

****Lecanora subcarpinea* Szatala**

40 km NNE of Nikšić, NW of Žabljak, grazed grassland hill, c. 1400 m, on basal trunk of solitary *Fagus sylvatica*, 16.VI.1971, leg. O. Vitikainen 7113 (H).

****Lecanora varia* (Hoffm.) Ach.**

Žabljak, Mt. Durmitor, near Crno jezero, 1500–1600 m, 19.VI.1971, leg. O. Vitikainen 7154 (H).

****Lecidella achrivotera* (Nyl.) Hertel & Leuckert**

Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18275, B. Nedović, B. Knežević & M. Jakić (GZU). Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17979, B. Knežević & S. Dragičević (GZU). Jaz W of Budva, 42°17'N/18°48'07"E, plantations of *Populus* behind a sandy beach, on bark of *Populus*, 04.IV.2004, leg. H. Mayrhofer 18247, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17886, B. Nedović & B. Knežević (GZU).

***Lecidella carpathica* Körb.**

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17839 & D. Stešević (GZU).

***Lecidella elaeochroma* (Ach.) M.Choisy**

Melještak creek (right tributary of Morača river), c. 220 m, approximately 200 m upstream from the mouth of Morača, on twig, 18.V.2005, leg. S. Dragičević 0085 (Podgorica). – Podgorica, hostel Blue Castle, 42°26'44"N/19°15'11"E, c. 60 m, roadside trees in front of the hostel, on bark of *Melia?*, 01.IV.2004, leg. H. Mayrhofer 17914 (GZU). Confluence of Morača and Skadar lake, left side of Morača river, c. 6 m, willow forest, on twigs, 04.X.2005, leg. S. Dragičević 0052, 0053 (Podgorica). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17980, B. Knežević & S. Dragičević (GZU).

****Lecidella patavina* (A.Massal.) Knoph & Leuckert**

Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt, conf./vidi J.-G. Knoph (GZU).

Lecidella stigmatea (Ach.) Hertel & Leuckert

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und dem Starac (2426 m), 14.VII.1974, leg. J. Poelt, conf./vidi J.-G. Knoph (GZU). Prokletije-Gebirge, Gebiet südlich des Čakor-Passes (1849 m), Kuppe südlich der Passhöhe, 1930–1960 m, Kalkfelsrippe, 14.VII.1974, leg. J. Poelt, conf./vidi J.-G. Knoph (GZU).

Lepraria eburnea J.R.Laundon

Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark and mossy bark of *Erica arborea*, 28.III.2008, leg. H. Mayrhofer 17969, B. Knežević & S. Dragičević (GZU). – Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on mossy bark of *Quercus pubescens*, 10.V.2007, leg. H. Mayrhofer 17825, B. Knežević & D. Stešević (GZU, associated with *Vahliella saubinetii*); *ibid.*, on mosses, 10.V.2007, leg. H. Mayrhofer 17827, B. Knežević & D. Stešević (GZU).

This species was only known from Bjelasica (BILOVITZ et al. 2008).

Lepraria lobificans Nyl.

Gornja Morača, Žlijeb (up to the spring of Morača river), c. 1200 m, on soil, 29.VII.2005, leg. S. Dragičević 0070 (Podgorica).

****Lepraria nivalis*** J.R.Laundon

Above Sv. Stefan along the main road to Budva, 42°15,601'N/18°53,865'E, c. 70 m, W-exposed cliffs along the road, rock crevices, 28.III.2008, leg. H. Mayrhofer 17959, B. Knežević & S. Dragičević (GZU).

Lepraria rigidula (de Lesd.) Tønnsberg

Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17625 & B. Nedović (GZU).

This species was only known from Bjelasica (BILOVITZ et al. 2008).

****Lepraria vouauxii*** (Hue) R.C.Harris

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark and mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17875, 17876, B. Nedović & B. Knežević (GZU).

****Leprocaulon microscopicum*** (Vill.) Gams

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on siliceous soil, 10.V.2007, leg. H. Mayrhofer 17845 & D. Stešević (GZU).

Leptogium brebissonii Mont.

Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17986, B. Knežević & S. Dragičević, det. A. Guttová (GZU).

***Leptogium gelatinosum* (With.) J.R.Laundon**

Confluence of Morača river and Skadar lake, left side of Morača river, c. 6 m, willow forest, humus on rock, 04.X.2005, leg. S. Dragičević 0037 (Podgorica, with *Pleurochaete squarrosa*).

***Leptogium lichenoides* (L.) Zahlbr.**

Pass zwischen Andrijevića und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 231, conf. P.M. Jørgensen (GZU). – Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragičević 0005, 0056 (Podgorica, with *Homalothecium lutescens* and *Schistidium apocarpum*). Međurječje, Pernica (confluence of Mrtvica and Morača river), c. 180 m, on soil, 08.VII.1997, leg. S. Dragičević 0076 (Podgorica, with *Homalothecium sericeum*). Morača river canyon, Smokovac, right side of Morača (meadow above the canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragičević 0066 (Podgorica, with *Pleurochaete squarrosa* and *Didymodon acutus*). Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, loose above stones, 26.III.2008, leg. H. Mayrhofer 17949 & D. Stešević (GZU). – Kuči, Medun, 42°28'22"N/19°21'45"E, c. 500 m, rocky slopes, on mosses, 02.IV.2004, leg. H. Mayrhofer 17915, B. Nedović & B. Knežević (GZU). Podgorica, Stara Varoš, left side of Morača river (opposite to Sport Center Morača), c. 45 m, on walls of turkish fortress, 08.XI.2005, leg. S. Dragičević 0045 (Podgorica, with *Pleurochaete squarrosa* and *Scorpiurium circinatum*). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18260, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17861, B. Nedović & B. Knežević (GZU).

****Leptogium magnussonii* Degel. & P.M.Jørg.**

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17844 & D. Stešević, det. A. Guttová (GZU).

***Leptogium massiliense* Nyl.**

Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on calcareous rocks, 10.V.2007, leg. H. Mayrhofer 17828, B. Knežević & D. Stešević (GZU).

***Leptogium saturninum* (Dicks.) Nyl.**

Gornja Morača, Bojići, c. 900 m, meadow along the road, on rock, 26.VI.2001, leg. S. Dragičević 0055 (Podgorica, with *Schistidium apocarpum*). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18261, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17860, B. Nedović & B. Knežević (GZU).

***Leptogium teretiusculum* (Wallr.) Arnold**

Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17'381"N/18°49'261"E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17986, B. Knežević & S. Dragičević, det. A. Guttová (GZU, associated with *Leptogium brebissonii*). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17888, B. Nedović & B. Knežević (GZU).

This species was only known from two localities on the mountain Lovćen (SERVIT 1931, as *L. t. f. circinans*).

***Letharia vulpina* (L.) Hue**

Prokletije mountain range: Mt. Visitor between the Visitor lake and the the mountain hut near Mramorje, Pinetum peucis, 42°37'30"N/19°53'05"E, 1800 m, on *Pinus peuce*, 08.VII.2008, phot. B. Surina. Mt. Bogičevica round the Hridsko jezero below the Krš Bogičevica peak, 42°34'20"N/20°02'09"E, c. 1900 m, on *Pinus peuce*, 11.VII.2008, phot. B. Surina.

MEĐEDOVIĆ (1972) discussed the distribution and ecology of this species in the mountains of north eastern Montenegro and neighbouring Kosovo. It always occurs there on *Pinus peuce*.

****Lethariella intricata* (Moris) Krog**

Komovi-Gebirge, on bark, 2006, leg. D. Milošević (GZU).

We have seen one other specimen from the Balkan mainland: Greece, Pindus National Park, Mt. Avgos, 39°55'30"N/21°05'44"E, leg. T. Spribille 16089 (GZU).

***Lobaria amplissima* (Scop.) Forssell**

Pass zw. Andrijevića und Babljak, Anstieg von der Passhöhe auf den Kučki Kom, nahe der Passhöhe, auf *Carpinus betulus*, 15.VII.1974, leg. H. Mayrhofer 603 (GZU); ibid., Anstieg von der Passhöhe zum Fuss des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 237, det. J. Poelt (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, beweideter Buchenwald mit *Picea abies* beigemischt, auf *Fagus*, 15.VII.1974, leg. J. Poelt (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17855, B. Nedović & B. Knežević (GZU).

***Lobaria pulmonaria* (L.) Hoffm.**

40 km NNE of Nikšić, Žabljak, NW of Crno jezero, c. 1350 m, *Picea-Abies* forest, on *Picea abies*, 16.VI.1971, leg. P. Uotila 11171 (H). 40 km NNE of Nikšić, N of Bistrica, Tara Valley, Crna bora, 850–900 m, on trunks of *Fagus sylvatica*, 19.VI.1971, leg. O. Vitikainen 7229 (H). – Pass zw. Andrijevića und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 221 & J. Poelt (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, beweideter Buchenwald mit *Picea abies* beigemischt, 15.VII.1974, leg. J. Poelt (GZU). – Gornja Morača, Žlijeb (up to the spring of Morača river), c. 1350 m, on rock, 29.VII.2005, leg. S. Dragičević 0071 (Podgorica). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18248, B. Nedović,

B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17852, B. Nedović & B. Knežević (GZU).

Lobarina scrobiculata (Scop.) Nyl. ex Cromb.

Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17617, 18244 & B. Nedović (GZU).

Lobothallia radiosa (Hoffm.) Hafellner

40 km NNE of Nikšić, NW of Žabljak, grazed grassland hill, on stone, c. 1400 m, 16.VI.1971, leg. O. Vitikainen 7104; *ibid.*, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, 18.VI.1971, leg. O. Vitikainen 7222 (H). – Komovi-Gebirge, Pass zwischen Andrijevića und Babljak, Abhänge des Vasojevički Kom, 1980 m, 18.VII.1974, leg. J. Hafellner 1192, det. J. Poelt (GZU). – Prokletije-Gebirge, Gebiet zwischen Čakor Pass (1849m) und Starac, Đevojački krš (=Gebiet südlich des Čakor-Passes), ca. 1960–2000 m, ostseitige Kalksteilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU). – Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17952 & D. Stešević (GZU). – Kuči, Medun, 42°28'22"N/19°21'45"E, c. 500 m, rocky slopes, on limestone, 02.IV.2004, leg. H. Mayrhofer 17919, B. Nedović & B. Knežević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17904, B. Nedović & B. Knežević (GZU).

****Megalospora pachycarpa*** (Delise ex Duby) H.Olivier

Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17629 & B. Nedović (GZU).

Megaspora verrucosa (Ach.) Hafellner & V.Wirth

Montes Durmitor (pars merid.) ad latera montis Zupci supra transitum Sedlo, 2000–2100 m, in rupibus calcareis & supra plantas destructas, 22.VIII.1984, leg. A. Vězda (GZU).

Melanelixia fuliginosa (Duby) O.Blanco et al. subsp. ***fuliginosa***

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17882, B. Nedović & B. Knežević (GZU).

Melanelixia fuliginosa subsp. ***glabratula*** (Lamy) J.R.Laundon

40 km NNE of Nikšić, NW of Žabljak, *Picea-Abies* forest, on *Abies*, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7046 (H).

Melanelixia glabra (Schaer.) O. Blanco et al.

40 km NNE of Nikšić, NW of Žabljak, grazed grassland hill, on basal trunk of solitary *Fagus sylvatica*, c. 1400 m, 16.VI.1971, leg. O. Vitikainen 7114 (H). Žabljak, Mt. Durmitor, near Crno jezero, *Fagus* forest, on trunks of *Fagus*, 1600 m, 19.VI.1971, leg. O. Vitikainen 7164 (H); *ibid.*, *Pinus mugo* zone, on trunk of isolated *Populus tremula*, leg. O. Vitikainen 7171 (H).

Melanelixia subaurifera (Nyl.) O. Blanco et al.

Međurječje, Pernica (confluence of Mrtvica and Morača river), upstream from the mouth of Morača river, c. 180 m, on soil, 08.VII.1997, leg. S. Dragičević 0100 (Podgorica).

Melanohalea exasperata (De Not.) O. Blanco et al.

Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18259, 18270, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on branches of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17881, B. Nedović & B. Knežević (GZU).

Melanohalea exasperatula (Nyl.) O. Blanco et al.

40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, on dead twigs of *Picea abies*, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7002 (H).

****Melanohalea laciniatula*** (Flagey ex H. Olivier) O. Blanco et al.

40 km NNE of Nikšić, NW of Žabljak, Barno jezero, on trunks of *Picea abies* in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7124 (H).

Micarea prasina Fr.

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on root-lignum, 03.IV.2004, leg. H. Mayrhofer 17894, B. Nedović & B. Knežević (GZU).

Mycobilimbia sanguineoatra auct.

Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on mossy bark of *Quercus pubescens*, 10.V.2007, leg. H. Mayrhofer 17825, B. Knežević & D. Stešević (GZU, associated with *Vahliella saubinetii*). This species was only known from Trnovačko jezero (KUŠAN 1933, as *Lecidea* s.).

Nephroma laevigatum Ach.

Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17622 & B. Nedović (GZU). – Kotor, Tivat, Lastva, village, olive plantation on hillside, on basal trunk of *Laurus*, 20.VI.1971, leg. O. Vitikainen 7274 (H). Lovćen Gebirge oberhalb von Kotor, 1290 m, an *Cydonia elongata*, 05.IV.1972, leg. K. Kalb 4546 (Kalb). Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on

bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18255, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17863, B. Nedović & B. Knežević (GZU).

***Nephroma resupinatum* (L.) Ach.**

Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone just above *Fagus* forest, on trunk of old *Salix*, 1600 m, 19.VI.1971, leg. O. Vitikainen 7155 (H). – Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 213 (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, beweideter Buchenwald mit *Picea abies* beigemischt, auf *Fagus*, 15.VII.1974, leg. J. Poelt (GZU). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18253, B. Nedović, B. Knežević & M. Jakić (GZU).

***Normandina pulchella* (Borrer) Nyl.**

Morača river canyon, Morača Monastery, left side of Morača river (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragičević 0077, 0079 (Podgorica, with *Frullania dilatata*). Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17624 & B. Nedović (GZU, associated with *Pannaria conoplea*). – Confluence of Morača river and Skadar lake, left side of Morača (opposite to Vranjina), c. 6 m, on lignum of fallen tree, 04.X.2005, leg. S. Dragičević 0040 (Podgorica). – Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Erica arborea*, 28.III.2008, leg. H. Mayrhofer 17970, B. Knežević & S. Dragičević (GZU); *ibid.*, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17985, B. Knežević & S. Dragičević (GZU, associated with *Fuscopannaria mediterranea*).

***Ochrolechia androgyna* (Hoffm.) Arnold**

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17877, 17878, B. Nedović & B. Knežević (GZU).

The specimens have numerous apothecia. This species was only known from the Biogradska gora National Park (BILOVITZ et al. 2008).

***Ochrolechia pallescens* (L.) A.Massal.**

Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Fuß des Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 216 (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU).

***Opegrapha atra* Pers.**

Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old

garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17975, B. Knežević & S. Dragičević (GZU).

****Orphniospora moriopsis*** (A.Massal.) D.Hawksw.

Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

****Orphniospora mosigii*** (Körb.) Hertel & Rambold

Prokletije-Gebirge, Gebiet südlich des Čakor Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU, associated with *Carbonea distans*).

Pachyphiale carneola (Ach.) Arnold

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17891, B. Nedović & B. Knežević (GZU).

This species was only known from the environment of Herceg Novi (SERVIT 1931, as *P. cornea*).

Pannaria conoplea (Ach.) Bory

Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17624 & B. Nedović (GZU). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18263, B. Nedović, B. Knežević & M. Jakić (GZU).

Parmelia saxatilis (L.) Ach.

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, on trunk of old *Picea abies* in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7009 (H). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17857, B. Nedović & B. Knežević (GZU).

Parmelia submontana Nádv. ex Hale

40 km NNE of Nikšić, NW of Žabljak, Barno jezero, on dead twigs and trunks of *Picea abies* in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7128 (H). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18256, B. Nedović, B. Knežević & M. Jakić (GZU).

This species was only known from the Biogradska Gora National Park (BILOVITZ et al. 2008).

Parmelia sulcata Taylor

Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 19.VI.1971, leg. O. Vitikainen 7157 (H); *ibid.*, on trunk of old *Salix*, leg. O. Vitikainen 7172 (H). – Melještak creek (right tributary of Morača river), c. 220 m, approximately 200 m upstream from the mouth of Morača river, on twig, 18.V.2005, leg. S. Dragičević 0085 (Podgorica). Morača river canyon, Morača

Monastery, left side of Morača (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragičević 0077 (Podgorica, with *Frullania dilatata*). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18257, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17856, B. Nedović & B. Knežević (GZU).

***Parmeliella triptophylla* (Ach.) Müll.Arg.**

Pass zwischen Andrijevića und Babljak, Anstieg von der Passhöhe zum Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 241, det. J. Poelt. Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17880, B. Nedović & B. Knežević (GZU).

****Parmelina carporrhizans* (Taylor) Poelt & Vězda**

Kotor, Tivat, Lastva, olive plantation on hillside, on *Castanea sativa*, 20.VI.1971, leg. O. Vitikainen 7254 (H); *ibid.*, on *Olea* 7277 (H).

***Parmelina pastillifera* (Harm.) Hale**

Žabljak, Mt. Durmitor, near Crno jezero, *Fagus* forest, 1600 m, on trunks of *Fagus*, 19.VI.1971, leg. O. Vitikainen 7165 (H). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18267, B. Nedović, B. Knežević & M. Jakić (GZU).

***Parmelina quercina* (Willd.) Hale**

Confluence of Morača river and Skadar lake, right side of Morača river, c. 6 m, willow forest, on twig, 04.X.2005, leg. S. Dragičević 0052 (Podgorica). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17853, B. Nedović & B. Knežević (GZU).

***Parmelina tiliacea* (Hoffm.) Hale**

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17854, B. Nedović & B. Knežević (GZU).

***Parmeliopsis ambigua* (Wulfen) Nyl.**

40 km NNE of Nikšić, Žabljak, village, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7010 (H). – Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1850 m, Kalk, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, auf *Pinus heldreichii*, 15.VII.1974, leg. J. Poelt (GZU).

***Parmeliopsis hyperopta* (Ach.) Arnold**

40 km NNE of Nikšić, Žabljak, village, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7058 (H). – Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1850 m, Kalk, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, auf *Pinus heldreichii*, 15.VII.1974, leg. J. Poelt (GZU).

Parmotrema perlatum (Huds.) M.Choisy

Gornja Morača, Dragovića polje (left side of Morača river), close to military bridge, c. 700 m, on old tree lignum, 29.VII.2005, leg. S. Dragičević 0067, 0068 (Podgorica). Morača river canyon, Morača Monastery, right and left side of Morača river (small road to the bridge and around the bridge), c. 290 m, on fallen tree and on twig, 18.V.2005, leg. S. Dragičević 0031, 0077, 0078, 0079 (Podgorica, with *Frullania dilatata*). Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17620 & B. Nedović (GZU). Međurječje, Pernica (confluence of Mrtvica and Morača river), upstream from the confluence, c. 180 m, on soil, 08.VII.1997, leg. S. Dragičević 0100 (Podgorica). Melještak creek (right tributary of Morača river), approximately 200 m upstream from the confluence, c. 220 m, on fallen tree, 18.V.2005, leg. S. Dragičević 0042, 0043, 0086 (Podgorica). – Kotor, Tivat, Lastva, village, olive plantation on hillside, on *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7287 (H). Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Arbutus unedo*, 28.III.2008, leg. H. Mayrhofer 17968, B. Knežević & S. Dragičević (GZU); *ibid.*, on bark of *Erica arborea*, 28.III.2008, leg. H. Mayrhofer 17971, B. Knežević & S. Dragičević (GZU); *ibid.*, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17982, B. Knežević & S. Dragičević (GZU).

Peltigera collina (Ach.) Schrad.

Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18254, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17862, B. Nedović & B. Knežević (GZU).

Peltigera degenii Gyeln.

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, in rock crevices and terraces by trail in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7076, 7096 (H). NW of Žabljak, Barno jezero, on ground in *Picea-Abies* forest, leg. O. Vitikainen 7122 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1500 m, *Picea-Abies* forest, on stone, 19.VI.1971, leg. O. Vitikainen 7142 (H).

Peltigera horizontalis (Huds.) Baumg.

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, in rock crevices and terraces by trail in *Picea-Abies* forest, c. 1350 m, 16.VI.1971, leg. O. Vitikainen 7077, 7078 (H), 7097 (H, GZU).

Peltigera leucophlebia (Nyl.) Gyeln.

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, in rock crevices and terraces by trail in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7083 (H), 7093 (GZU, H). – Gornja Morača, Vragodo (spring of Morača river), c. 1600 m, humus on rock close to water, 11.X.2001, leg. S. Dragičević 0103 (Podgorica, with *Polytrichum commune* and *Ctenidium molluscum* (Hedw.) Mitt.).

****Peltigera membranacea*** (Ach.) Nyl.

Kuči, Medun, 42°28'22"N/19°21'45"E, c. 500 m, rocky slopes, on soil, 02.IV.2004, leg. H. Mayrhofer 17917, B. Nedović & B. Knežević (GZU).

Peltigera monticola Vitik.

Žabljak, Mt. Durmitor, near Crno jezero, 1800 m, *Pinus mugo* zone, limestone cliff, 19.VI.1971, leg. O. Vitikainen 7184, 7196 (H).

Peltigera praetextata (Flörke ex Sommerf.) Zopf

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7025, 7071, 7072 (H); *ibid.*, in rock crevices and terraces by trail in *Picea-Abies* forest, leg. O. Vitikainen 7084, 7091b, 7095 (H). – Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragičević 0005, 0029 (Podgorica). Donja Morača, Osreci, c. 700 m, thermophilic forest, humus on rock, 25.VI.2005, leg. S. Dragičević 0038 (Podgorica, with *Hypnum cupressiforme* and *Thuidium delicatulum* (Hedw.) Schimp.). Morača river canyon, Milunovići village (right side of Morača river), c. 120 m, on soil, 14.VIII.1997, leg. S. Dragičević 0014 (Podgorica, with *Pleurochaete squarrosa*, *Hypnum cupressiforme* and *Scorpiurium circinatum*). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17858, B. Nedović & B. Knežević (GZU).

Peltigera rufescens (Weiss) Humb.

Žabljak, Mt. Durmitor, near Crno jezero, 1500–1600 m, 19.VI.1971, leg. O. Vitikainen 7183 (H).

Pertusaria albescens (Huds.) M.Choisy & Werner var. ***albescens***

Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18265, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17869, B. Nedović & B. Knežević (GZU). This taxon was only known from Bjelasica (BILOVITZ et al. 2008).

Pertusaria albescens var. ***corallina*** auct.

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17874, B. Nedović & B. Knežević (GZU).

Pertusaria amara (Ach.) Nyl.

Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17627 & B. Nedović (GZU). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18264, B. Nedović, B. Knežević & M. Jakić (GZU).

***Pertusaria coccodes* (Ach.) Nyl.**

Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU). – Lovćen Gebirge, oberhalb von Kotor, 1450 m, an *Fagus*, 05.IV.1972, K. Kalb 4545 (Kalb). Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18266, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17872, B. Nedović & B. Knežević (GZU).

***Pertusaria flavida* (DC.) J.R.Laundon**

Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18268, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17871, B. Nedović & B. Knežević (GZU).

***Pertusaria leioplaca* DC.**

Pass zwischen Andrijevića und Babljak, Anstieg von der Passhöhe zum Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 239, det. J. Poelt (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17886, B. Nedović & B. Knežević (GZU, associated with *Lecidella achrostera*).

***Pertusaria pertusa* (Weigel) Tuck.**

Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, beweideter Buchenwald mit *Picea abies* beigemischt, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt (GZU). – Lovćen Gebirge, oberhalb von Kotor, 1450 m, an *Fagus*, 05.IV.1972, leg. K. Kalb 4543 (Kalb). Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18276, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17885, B. Nedović & B. Knežević (GZU).

****Phaeophyscia chloantha* (Ach.) Moberg**

Morača river canyon, north of Milunovići village (right side of Morača river), c. 120 m, on bark of *Quercus* sp., 14.VIII.1997, leg. S. Dragičević 0080 (Podgorica, with *Ulota crispa*). – Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on calcareous rocks, 10.V.2007, leg. H. Mayrhofer 17828, B. Knežević & D. Stešević (GZU, associated with *Leptogium massiliense*). Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17884, B. Nedović & B. Knežević (GZU, associated with *Amandinea punctata*).

***Phaeophyscia orbicularis* (Neck.) Moberg**

Morača river canyon, Morača Monastery, left side of Morača river (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragičević 0079 (Podgorica). – Track from Medun to Podgorica, 42°27'28"N/19°19'22"E, c. 200 m, roadside trees near farmhouses, on bark of *Ficus*, 02.IV.2004, leg. H. Mayrhofer 17923, B. Nedović & B. Knežević (GZU). Podgorica, hostel Blue Castle, 42°26'44"N/19°15'11"E, c. 60 m, roadside trees in front of the hostel, on bark of *Acer*, 01.IV.2004, leg. H. Mayrhofer 17909 (GZU); *ibid.*, on bark of *Melia?*, 01.IV.2004, leg. H. Mayrhofer 17913 (GZU). Confluence of Morača river and Skadar lake, right and left side of Morača river (opposite to Vranjina), c. 6 m, willow forest and out of it, on fallen tree lignum and on twigs, 04.X.2005, leg. S. Dragičević 0030, 0040, 0041, 0052 (Podgorica). – Lovćen Gebirge, oberhalb von Kotor, 1250 m, an *Populus*, 05.IV.1972, leg. K. Kalb 4571 (Kalb). – Rumija, Gornja Briska above Livari, 42°06'57"N/19°13'07"E, c. 500 m, roadside trees near farmhouse, 03.IV.2004, leg. H. Mayrhofer 17897, B. Nedović & B. Knežević (GZU).

****Phaeophyscia poeltii* (Frey) Nimis**

Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, beweideter Buchenwald mit +/- *Picea abies* beigemischt, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt, det. R. Moberg (GZU).

***Phlyctis argena* (Spreng.) Flot.**

Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17626 & B. Nedović (GZU). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18271, B. Nedović, B. Knežević & M. Jakić (GZU). Hill Spas NW of Budva, NE-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Prunus avium*, 28.III.2008, leg. H. Mayrhofer 17983, B. Knežević & S. Dragičević (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17870, B. Nedović & B. Knežević (GZU).

This common species was only known from Bjelasica (BILOVITZ et al. 2008).

***Physcia adscendens* (Fr.) H.Olivier**

40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7003 (H). – Gornja Morača, Dragovića polje (left side of Morača river), close to military bridge, c. 700 m, on rotten tree, 29.VII.2005, leg. S. Dragičević 0068 (Podgorica). Morača river canyon, Morača Monastery, left side of Morača river (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragičević 0079 (Podgorica). Međurječje, Pernica (confluence of Mrtvica and Morača river), c. 180 m, on soil, 08. VII.1997, leg. S. Dragičević 0102 (Podgorica). Melještak creek (right tributary of Morača river), approximately 200 m upstream from the confluence, c. 220 m, on twig, 18.V.2005, leg. S. Dragičević 0085 (Podgorica). – Confluence of Morača river and Skadar lake, left side of Morača river, c. 6 m, willow forest, humus on rock, on twig, 04.X.2005, leg. S. Dragičević 0053, 0054 (Podgorica). – Kotor, Tivat, Lastva, village, olive plantation on hillside, on rocks, sparse, 20.VI.1971, leg. O. Vitikainen 7251 (H). – Boljevići W of Virpazar, along the

road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, 10.V.2007, leg. H. Mayrhofer 17831 & D. Stešević (GZU, associated with *Xanthoria parietina*).

Physcia aipolia (Humb.) Fűrnr.

40 km NNE of Nikšić, NW of Žabljak, grazed grassland hill, c. 1400 m, on basal trunk of solitary *Fagus sylvatica*, 16.VI.1971, leg. O. Vitikainen 7116 (H). Žabljak, Mt. Durmitor, near Crno jezero, 1600 m, *Pinus mugo* zone, on trunks of isolated *Populus tremula*, 17.VI.1971, leg. O. Vitikainen 7178, 7179a (H); *ibid.*, *Fagus* forest, on trunks of *Fagus*, 17.VI.1971, leg. O. Vitikainen 7163 (H).

Physcia biziana (A.Massal.) Zahlbr.

Ras NW of Smokovac NE of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on bark of *Quercus troyana*, 26.III.2008, leg. H. Mayrhofer 17948 & D. Stešević (GZU). – Podgorica, hostel Blue Castle, 42°26'44"N/19°15'11"E, c. 60 m, roadside trees in front of the hostel, on bark of *Acer*, 01.IV.2004, leg. H. Mayrhofer 17908 (GZU); *ibid.*, on bark of *Melia?*, 01.IV.2004, leg. H. Mayrhofer 17912 (GZU). – Jaz W of Budva, 42°17'N/18°48'07"E, plantations of *Populus* behind a sandy beach, on bark of *Populus*, 04.IV.2004, leg. H. Mayrhofer 18246, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Gornja Briska above Livari, 42°06'57"N/19°13'07"E, c. 500 m, roadside trees near farmhouse, 03.IV.2004, leg. H. Mayrhofer 17896, B. Nedović & B. Knežević (GZU).

This species was only known from Durmitor National Park (ŽUKOVEC 2005).

Physcia caesia (Hoffm.) Fűrnr.

40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, 18.VI.1971, leg. O. Vitikainen 7217, rev. R. Moberg (H).

Physcia clementei (Turner) Maas Geest.

Kotor, Tivat, Lastva, olive plantation, on *Laurus nobilis*, 20.VI.1971, leg. O. Vitikainen 7270; *ibid.*, on *Olea europaea*, leg. O. Vitikainen 7283, rev. R. Moberg (H).

Physcia leptalea (Ach.) DC.

Rumija, Gornja Briska above Livari, 42°06'57"N/19°13'07"E, c. 500 m, roadside trees near farmhouse, 03.IV.2004, leg. H. Mayrhofer 17899, B. Nedović & B. Knežević (GZU).

Physcia stellaris (L.) Nyl.

40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twig of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 6996 (H). – Kotor, Tivat, Lastva, village, olive plantation, on *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7286 (H). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18272, B. Nedović, B. Knežević & M. Jakić (GZU).

Physconia distorta (With.) J.R.Laundon

Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, c. 1600 m, on trunk of an isolated *Populus tremula*, 19.VI.1971, leg. O. Vitikainen 7176 (H). – Pass zw. Andrijevica und Babljak, Anstieg von der Passhöhe zum Kučki Kom, 1650 m, 15.VII.1974, leg. J. Hafellner 226, conf./vidi T.L. Esslinger (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, 1650 m, Buchenwald, 15.VII.1974, leg. H. Mayrhofer, conf./vidi T.L. Esslinger (GZU).

****Physconia perisidiosa*** (Erichsen) Moberg

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17883, B. Nedović & B. Knežević (GZU).

Physconia venusta (Ach.) Poelt

Pass zwischen Andrijevica und Babljak, Anstieg von der Passhöhe zum Kučki Kom, ca. 1650 m, 15.VII.1974, leg. J. Hafellner 226, conf./vidi T.L. Esslinger (GZU). Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, ca. 1570–1810 m, beweideter Buchenwald, auf *Fagus sylvatica*, 15.VII.1974, leg. J. Poelt, rev. T.L. Esslinger (GZU); *ibid.*, 15.VII.1974, leg. H. Mayrhofer, conf./vidi T.L. Esslinger (GZU). – Lovćen Gebirge, oberhalb von Kotor, 1450 m, an *Fagus*, 05.IV.1972, leg. K. Kalb 4540, 4541 (Kalb). Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18252, B. Nedović, B. Knežević & M. Jakić (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on mossy bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17865, B. Nedović & B. Knežević (GZU).

Placolecis opaca (Fr.) Hafellner

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on limestone cliffs, 26.III.2008, leg. H. Mayrhofer 17939 & D. Stešević (GZU). Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17950 & D. Stešević (GZU).

Placynthium nigrum (Huds.) Gray

Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17954 & D. Stešević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17902, B. Nedović & B. Knežević (GZU, associated with *Caloplaca flavescens*).

Platismatia glauca (L.) W.L.Culb. & C.F.Culb.

40 km NNE of Nikšić, NW of Žabljak, c. 1350 m, on dead twig of *Picea abies* in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7127, det. T. Randleane (H).

****Polysporina urceolata*** (Anzi) Brodo

Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ca. 1960–2000 m, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).

Porpidia crustulata (Ach.) Hertel & Knoph

Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17994, B. Knežević & S. Dragičević (GZU, associated with *Protoparmeliopsis muralis*). – Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17840 & D. Stešević (GZU).

This species was only known from siliceous rocks in the mountains of north western Montenegro (KUŠAN 1933, as *Lecidea c.*).

Protoblastenia calva (Dicks.) Zahlbr.

Pass zwischen Andrijevića und Babljak, am Fuß des Vasojevički Kom, ca. 1800 m, 15.VII.1974, leg. J. Hafellner 222, det. J. Poelt (GZU). Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt (GZU).

Protoblastenia incrustans (DC.) J.Steiner

Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt, det. M. Steiner (GZU).

This species was only known from limestone in the environment of Herceg Novi and from Lovćen (SERVIT 1931).

Protoblastenia rupestris (Scop.) J.Steiner

Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17990, B. Knežević & S. Dragičević (GZU, associated with *Clauzadea monticola*).

Protoparmeliopsis muralis (Schreb.) M.Choisy

40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1350 m, grazed grassland hill, on stones, 18.VI.1971, leg. O. Vitikainen 7207 (H). – Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on pebbles along the road, 26.III.2008, leg. H. Mayrhofer 17943 & D. Stešević (GZU). – Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17994, B. Knežević & S. Dragičević (GZU). – Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17841 & D. Stešević (GZU).

Pseudevernia furfuracea* (L.) Zopf var. *furfuracea

40 km NNE of Nikšić, Žabljak, NW of Crno jezero, *Picea-Abies* forest, c. 1350 m, on dead twig of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7016 (H). 40 km NE of Nikšić, N of Bistrice, Tara valley, Crna Bora, 850–900 m, on dead branches of *Pinus nigra*, 19.VI.1971, leg. O. Vitikainen 7230 (H). – Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1850 m, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, 15.VII.1974, leg. J. Poelt (GZU). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18251, B. Nedović, B. Knežević & M. Jakić (GZU).

***Pseudosagedia aenea* (Wallr.) Hafellner & Kalb**

Hill Spas NW of Budva, NE-exposed slopes above the village Prijevor; along the road to the top of hill Spas, 42°17,381'N/18°49,261'E, c. 250 m, trees in an old garden, on bark of *Fraxinus ornus*, 28.III.2008, leg. H. Mayrhofer 17973, B. Knežević & S. Dragičević (GZU).

This species was only known on *Carpinus* from the environment of Herceg Novi (ZAHLEBRUCKNER 1903, as *Porina chlorotica* f. *carpineae*).

***Psora decipiens* (Hedw.) Hoffm.**

Bioče, Vežišta, upstream from Piletići houses (right side of Morača river), c. 90 m, rock close to water, 18.V.1997, leg. S. Dragičević 0090 (Podgorica). Morača river canyon, opposite to Duga Monastery (right side of Morača river), c. 110 m, humus on rock, 14.VIII.1997, leg. S. Dragičević 0048, 0095 (Podgorica, with *Tortella inclinata*).

****Psorinia conglomerata* (Ach.) Gotth.Schneid.**

Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

***Punctelia subrudecta* (Nyl.) Krog**

Kotor, Tivat, Lastva, village, olive plantation on hillside, on *Olea europaea*, 20.VI.1971, leg. O. Vitikainen 7280, rev. M. Adler (H).

***Ramalina farinacea* (L.) Ach.**

40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twig of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7004 (H). NW of Crno jezero, *Picea-Abies* forest, on *Abies*, leg. O. Vitikainen 7051 (H). 40 km NE of Nikšić, N of Bistrice, Tara Valley, Crna bora, 850–900 m, Fagetum, on trunk of *Fagus sylvatica*, 19.VI.1971, leg. O. Vitikainen 7227 (H). – Morača river canyon, Morača Monastery, left side of Morača river (before the bridge), c. 290 m, on twig, 18.V.2005, leg. S. Dragičević 0077, 0079 (Podgorica, with *Frullania dilatata*). Morača valley, c. 6 km S of Monastir Morača, 42°43'09"N/19°22'17"E, c. 240 m, roadside fruit trees, on bark of *Prunus domestica*, 31.III.2004, leg. H. Mayrhofer 17618 & B. Nedović (GZU). Međurječje, upstream from Pernica (confluence of Mrtvica and Morača river), c. 180 m, on soil, 08.VII.1997, leg. S. Dragičević 0073 (Podgorica). Melještak creek (right side of Morača river), approximately 200 m upstream from the confluence, c. 220 m, on twig, 18.V.2005, leg. S. Dragičević 0043 (Podgorica). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18250, B. Nedović, B. Knežević & M. Jakić (GZU). –

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17879, B. Nedović & B. Knežević (GZU).

***Ramalina fastigiata* (Pers.) Ach.**

Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragičević 0005 (Podgorica).

***Ramalina fraxinea* (L.) Ach.**

40 km NNE of Nikšić, Žabljak, NW of Crno jezero, grazed grassland hill, c. 1400 m, on basal trunk of solitary *Fagus sylvatica*, 16.VI.1971, leg. O. Vitikainen 7115 (H). – Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on bark of *Fagus sylvatica*, 04.IV.2004, leg. H. Mayrhofer 18269, B. Nedović, B. Knežević & M. Jakić (GZU).

***Ramalina pollinaria* (Westr.) Ach.**

Confluence of Morača river and Skadar lake, right side of Morača river, c. 6 m, willow forest, on rock, 04.X.2005, leg. S. Dragičević 0051 (Podgorica, with *Pleurochaete squarrosa*).

***Rhizocarpon geminatum* Körb.**

SE-part of Montenegro, southern slopes of Granice Strane, appr. 500 m W and SW of the village Kalica, 1150–1200 m, appr. 20° steep SW slopes of serpentinite, 16.V.2008, leg. M. Magnes & D. Stešević (GZU).

This species was only known from siliceous rocks in Bjelasica (BILOVITZ et al. 2008).

***Rhizocarpon polycarpum* (Hepp) Th.Fr.**

Komovi-Gebirge, Rücken zwischen der Passhöhe Trešnjevik und dem Vasojevički Kom, Alm am Nordfuß des Vasojevički Kom, ca. 1760–1810 m, 15.VII.1974, leg. J. Poelt (GZU).

***Rinodina sophodes* (Ach.) A.Massal.**

Kuči, Medun, 42°27'49"N/19°20'34"E, c. 450 m, rocky slopes, pasture with low shrubs, on branches of *Carpinus orientalis*, 02.IV.2004, leg. H. Mayrhofer 17922, B. Nedović & B. Knežević (GZU). – Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on bark of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17893, B. Nedović & B. Knežević (GZU).

This species was only known from the Bjelasica (BILOVITZ et al. 2008).

***Rinodinella controversa* (A.Massal.) H.Mayrhofer & Poelt**

Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17953 & D. Stešević (GZU).

This species was only known from Medun (ZAHLEBRUCKNER 1888, as *Rinodina* c.; MAYRHOFFER & POELT 1978).

Rinodinella dubyanoides (Hepp) H. Mayrhofer & Poelt

Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17907, B. Nedović & B. Knežević (GZU, associated with *Clauzadea metzleri*).

This species was only known from the environment of Herceg Novi (SERVIT 1931, as *Rinodina d.*). The record in MAYRHOFFER & POELT (1978) refers to a locality in Croatia.

Sarcogyne privigna (Ach.) A. Massal.

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on pebbles along the road, 26.III.2008, leg. H. Mayrhofer 17928 & D. Stešević (GZU).

Schismatomma pericleum (Ach.) Branth & Rostr.

Montes Durmitor, in silva virginea in pede montis Međed loco Brojišta dicto, supra lacum Crno jezero, 1700–1800 m, ad corticem Abietis, 20.VIII.1984, leg. A. Vězda, conf./vidi A. Tehler (GZU).

Solenopsora candicans (Dicks.) J. Steiner

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on limestone cliffs, 26.III.2008, leg. H. Mayrhofer 17940 & D. Stešević (GZU). Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17953 & D. Stešević (GZU, associated with *Rinodinella controversa*). – Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17989, B. Knežević & S. Dragičević (GZU).

This species was only known from limestone in the environment of Herceg Novi (SERVIT 1931).

Solenopsora olivacea (Fr.) H. Kiliass subsp. ***olivacea***

Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 18201, B. Knežević & S. Dragičević (GZU).

Solorina saccata (L.) Ach.

40 km NNE of Nikšić, Žabljak, W shore of Crno jezero, c. 1350 m, limestone cliff, 16.VI.1971, leg. O. Vitikainen 7026 (H).

****Sporastatia polyspora*** (Nyl.) Grumann

Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

Sporastatia testudinea (Ach.) A. Massal.

Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

This species was only known from hornfels in Bjelasica (BILOVITZ et al. 2008).

Squamarina cartilaginea (With.) P. James

40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, 18.VI.1971, leg. O. Vitikainen 7214 (H). – Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragičević 0059 (Podgorica, with *Ditrichum flexicaule* and *Ctenidium molluscum*). Morača river canyon, Milunovići village (right side of Morača river), c. 120 m, on rock, 14.VIII.1997, leg. S. Dragičević 0013 (Podgorica, with *Pterigynandrum filiforme* Hedw.). Morača river canyon, opposite to Duga Monastery (right side of Morača river), c. 110 m, humus on rock, 14.VIII.1997, leg. S. Dragičević 0047, 0050, 0092 (Podgorica, with *Tortella tortuosa* (Hedw.) Limpr.). Bioče, Mala rijeka (left side), approximately 500 m upstream from the confluence, c. 100m, on soil, 26.X.2005, leg. S. Dragičević 0008 (Podgorica). Bioče, confluence of Mala rijeka and Morača river (right side of Morača river), c. 100 m, on soil, 26.X.2005, leg. S. Dragičević 0022 (Podgorica, with *Tortella inclinata*). Bioče, right side of Morača river, Vežišta (upstream Piletići houses), c. 90 m, rock close to water, 18.V.1997, leg. S. Dragičević 0088, 0089, 0094 (Podgorica). Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on soil, 26.III.2008, leg. H. Mayrhofer 17925 & D. Stešević (GZU). – Podgorica, Zatica (left side of Morača river), close to the riverside, c. 45 m, on soil and rock, 25.IV.1997, leg. S. Dragičević 0017, 0020 (Podgorica, with *Didymodon* sp.). Podgorica, Skaline (confluence of Ribnica and Morača river), c. 45 m, on rock, 15.II.2002, leg. S. Dragičević 0096 (Podgorica, with *Syntrichia ruralis* (Hedw.) F.Weber & D.Mohr and *Schistidium apocarpum*). E of Podgorica, Čemovsko polje along the Cijevna-gorge, approx. 1–1.5 km W of the village Gornji Milješ, on north inclined conglomerate on the left side of the Cijevna, 11.V.2008, leg. M. Magnes & D. Stešević (GZU). Confluence of Morača river and Skadar lake, right side of Morača river, c. 6 m, humus on rock, 04.X.2005, leg. S. Dragičević 0032 (Podgorica, with *Bryum* sp.). – Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17991, B. Knežević & S. Dragičević (GZU). – Rumija, track from Gornja Briska above Livari to the top of Rumija, 42°06'54"N/19°12'54"E, c. 530 m, open rocky pasture, on limestone, 03.IV.2004, leg. H. Mayrhofer 17901, B. Nedović & B. Knežević (GZU).

Squamarina gypsacea (Sm.) Poelt

Žabljak, Mt. Durmitor, near Crno jezero, 1700 m, *Pinus mugo* zone, rock outcrop and boulders, 19.VI.1971, leg. O. Vitikainen 7144 (H). – Pass zwischen Andrijevića und Babljak, Anstieg von der Passhöhe auf den Kučki Kom, 1850 m, 15.VII.1974, leg. H. Mayrhofer 898 (GZU); *ibid.*, im N am Fuß des Vasojevički Kom, ca. 1700 m, 15.VII.1974, leg. J. Hafellner 218 (Hafellner). Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, 15.VII.1974, leg. J. Poelt (GZU). – Grenzgebiet zwischen Crna Gora und Kosovo, Anstieg vom Čakor-Pass zum Starac, ca. 1900 m, 14.VII.1974, leg. J. Hafellner 217, det. J. Poelt (GZU).

Strigula affinis (A.Massal.) R.C.Harris

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on root-lignum, 03.IV.2004, leg. H. Mayrhofer 17895, B. Nedović & B. Knežević (GZU).

This species was only known from *Ulmus* in the environment of Herceg Novi (KÖRBER 1867, as *Sagedia a.*).

****Toninia physaroides*** (Opiz) Timdal

Gornja Morača, Ljevišta, c. 1000 m, on soil, 29.VI.2005, leg. S. Dragičević 0061 (Podgorica, with *Tortella tortuosa*, *Bryum* sp. and *Ditrichum flexicaule*). Morača river canyon, Smokovac, right side of Morača river (meadow above the canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragičević 0066 (Podgorica, with *Pleurochaete squarrosa* and *Didymodon acutus*).

Toninia rosulata (Anzi) H.Olivier

Montes Durmitor (pars merid.), ad latera montis Zupci supra transitum Sedlo, 2000–2100 m, in rupibus calcareis & supra plantas destructas, 22.VIII.1984, leg. A. Vězda, conf./vidi E. Timdal (GZU).

TIMDAL (1991) did not provide any details about the locality.

Toninia sedifolia (Scop.) Timdal

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on soil, 26.III.2008, leg. H. Mayrhofer 17926 & D. Stešević (GZU). Morača river canyon, Smokovac, right side of Morača river (meadow above canyon), c. 60 m, on rock, 12.VIII.2004, leg. S. Dragičević 0066 (Podgorica, with *Pleurochaete squarrosa* and *Didymodon acutus*). – Podgorica, Stara Varoš, left side of Morača river (opposite to Sport Center Morača), c. 45 m, on walls of turkish fortress, 08.XI.2005, leg. S. Dragičević 0046 (Podgorica, with *Scorpiurium circinatum*).

****Trapelia placodioides*** Coppins & P.James

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17843 & D. Stešević (GZU).

****Trapeliopsis flexuosa*** (Fr.) Coppins & P.James

Rumija, Livari, near crossing to Gornja Briska, 42°06'59"N/19°13'16"E, c. 490 m, plantations with old *Castanea sativa*, on lignum of *Castanea sativa*, 03.IV.2004, leg. H. Mayrhofer 17868, B. Nedović & B. Knežević (GZU).

Tuckermanopsis chlorophylla (Willd.) Hale

40 km NNE of Nikšić, NW of Žabljak, Barno jezero, c. 1350 m, on dead twig of *Picea abies* in *Picea-Abies* forest, 16.VI.1971, leg. O. Vitikainen 7123 (H).

Umbilicaria cylindrica (L.) Delise ex Duby

Prokletije-Gebirge, Gebiet südlich des Čakor-Passes, Gipfelpyramide des Starac, ca. 2320–2426 m, Silikat, 14.VII.1974, leg. J. Poelt (GZU).

This species was only known from hornfels in Bjelasica (BILOVITZ et al. 2008).

Vahliella saubinetii (Mont.) P.M.Jørg.

Road from Virpazar to Bar SW of Virpazar, above the village Limljani, 42°12,512'N/19°05,644'E, c. 150 m, rock outcrops above the road, limestone in low sclerophyll forest, on bark and mossy bark of *Quercus pubescens*, 10.V.2007, leg. H. Mayrhofer 17825, B. Knežević & D. Stešević (GZU).

This species was only known from the environment of Herceg Novi (SERVÍT 1931, as *Parmeliella* s.).

Verrucaria caerulea DC.

Pass zwischen Andrijevica und Babljak, am Fuß des Vasojevički Kom, ca. 1800 m, 18.VII.1974, leg. J. Hafellner 1196, det. J. Poelt (GZU).

****Verrucaria compacta*** (A.Massal.) Jatta

Ras NW of Smokovac E of Podgorica, above Morača gorge, 42°28'40,7"N/19°18'28,4"E, c. 100 m, SW-exposed slopes with limestone boulders and cliffs, on limestone, 26.III.2008, leg. H. Mayrhofer 17957 & D. Stešević, det. O. Breuss (GZU).

Verrucaria dufourii DC. var. ***lovcenensis*** (Servít) J.Nowak & Tobol.

Lovćen, inter Cetinje & Kotor, 1400 m, ad saxa calcarea umbrosa, 14.VII.1966, leg. A. Vězda (GZU).

Verrucaria* cf. *muralis Ach.

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17842 & D. Stešević (GZU).

****Verrucaria triglavensis*** Servít

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on pebbles along the road, 26.III.2008, leg. H. Mayrhofer 17945 & D. Stešević, det. O. Breuss (GZU).

Vulpicida pinastri (Scop.) J.-E.Mattsson & M.J.Lai

Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, ca. 1840–1860 m, auf *Pinus heldreichii*, 15.VII.1974, leg. J. Poelt, conf./vidi J.-E.Mattsson (GZU).

Xanthoparmelia conspersa (Ach.) Hale

Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17992, B. Knežević & S. Dragičević (GZU). – Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17833, 17835 & D. Stešević (GZU).

Xanthoparmelia delisei (Duby) O.Blanco et al.

Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, on andesit, 10.V.2007, leg. H. Mayrhofer 17836, 17848 & D. Stešević (GZU).

****Xanthoparmelia pulla*** (Ach.) O. Blanco et al. var. ***pulla***

Hill Spas NW of Budva, E-exposed slopes above the village Prijedor; along the road to the top of hill Spas, 42°17,305'N/18°49,217'E, c. 330 m, limestone boulders and siliceous layers on limestone boulders, 28.III.2008, leg. H. Mayrhofer 17993, B. Knežević & S. Dragičević (GZU).

****Xanthoparmelia stenophylla*** (Ach.) Ahti & D. Hawksw.

Kotor, Tivat, Lastva, village, olive plantation on hillside, on rocks, 20.VI.1971, leg. O. Vitikainen 7252 (H).

Xanthoria contortuplicata (Ach.) Boistel

Prokletije-Gebirge, zwischen Čakor-Pass (1849 m) und Starac (2426 m), Silikat und Kalk, 14.VII.1974, leg. J. Poelt (GZU); *ibid.*, ostseitige Kalksteilhänge südöstlich der Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU).

Xanthoria elegans (Link) Th. Fr.

40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone in stone fence, c. 1350 m, 18.VI.1971, leg. O. Vitikainen 7211 (H). – Prokletije-Gebirge, Gebiet zwischen Čakor-Pass (1849 m) und Starac, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, ca. 1960–2000 m, 14.VII.1974, leg. J. Poelt (GZU, associated with *Caloplaca arnoldii*).

Xanthoria parietina (L.) Th. Fr.

40 km NNE of Nikšić, Žabljak, by the road to Crno jezero, c. 1350 m, on dead twigs of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 6997 (H). Žabljak, Mt. Durmitor, near Crno jezero, *Pinus mugo* zone, c. 1600 m, on isolated *Populus tremula*, 19.VI.1971, leg. O. Vitikainen 7177 (H). – Gornja Morača, Ljevišta, c. 1000 m, on rock, 29.VI.2005, leg. S. Dragičević 0057 (Podgorica). – Confluence of Morača river and Skadar lake, right and left side of Morača (opposite to Vranjina), c. 6 m, willow forest, lignum of fallen tree, on humus on rock and on twig, 04.X.2005, leg. S. Dragičević 0040, 0041, 0052, 0053, 0054 (Podgorica). – Jaz W of Budva, 42°17'N/18°48'07"E, plantations of *Populus* behind a sandy beach, on bark of *Populus*, 04.IV.2004, leg. H. Mayrhofer 18245, B. Nedović, B. Knežević & M. Jakić (GZU). – Boljevići W of Virpazar, along the road to Bar, 42°13,873'N/19°05,453'E, c. 100 m, open rock outcrops above the road, 10.V.2007, leg. H. Mayrhofer 17831 & D. Stešević (GZU).

Xanthoria polycarpa (Hoffm.) Rieber

40 km NNE of Nikšić, Žabljak, on the road to Crno jezero, c. 1350 m, on dead twig of *Picea abies*, 16.VI.1971, leg. O. Vitikainen 7000 (H).

Xanthoria soreliata (Vain.) Poelt

40 km NNE of Nikšić, 7 km SSE of Žabljak, Riblje jezero, c. 1400 m, grazed grassland hill, on stone, c. 1350 m, 18.VI.1971, leg. O. Vitikainen 7218, 7376 (H). – Prokletije-Gebirge, Đevojački krš (= Gebiet südlich des Čakor-Passes), ca. 1960–2000 m, ostseitige Kalk-Steilhänge südöstlich der Passhöhe, 14.VII.1974, leg. J. Poelt (GZU).

This species was only recorded in a distribution map by POELT & PETUTSCHNIG (1992), but without any information about the locality.

***Xylographa parallela* (Ach.: Fr.) Fr.**

Komovi-Gebirge, Nordhänge des Vasojevički Kom, ca. 1810–2050 m, Kalk, schütterer *Pinus heldreichii*-Wald auf steilem Schutthang, ca. 1840–1860 m, auf *Pinus heldreichii*, 15.VII.1974, leg. J. Poelt (GZU).

This species was only known from Bjelasica (BILOVITZ et al. 2008).

Lichenicolous fungi****Cercidospora caudata* agg.**

Smokovac NE of Podgorica, Morača gorge, 42°29'01,8"N/19°18'47,3"E, c. 80 m, N-exposed steep slopes below the railway, on *Caloplaca* spec., 26.III.2008, leg. H. Mayrhofer 17942 & D. Stešević, det. J. Hafellner (GZU).

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

Lovćen, Ivanova Korita, 42°22'55"N/18°49'51"E, c. 1250 m, beech forest, on *Lobaria pulmonaria*, 04.IV.2004, leg. H. Mayrhofer 18249, B. Nedović, B. Knežević & M. Jakić (GZU).

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References

- ANONYMUS 1975. *Plantae Graecenses*. Jahrgang 1. – Graz: Institut für Systematische Botanik der Universität Graz.
- BILOVITZ P.O., KNEŽEVIĆ B., STEŠEVIĆ D. & MAYRHOFER H. 2008. Lichenized and lichenicolous fungi from Bjelasica (Montenegro) with special emphasis on the Biogradska gora National Park. – *Bibliotheca Lichenologica* 99: 69–81.
- CLAUZADE G. & ROUX C. 1985. *Likenoj de okcidenta Eŭropo*. Ilustrita determinlibro. – *Bulletin de la Société Botanique du Central-Ouest Nouvelle Série – Numero Spécial* 7: 1–893.

- GIRALT M., NIMIS P.L. & POELT J. 1992. Studien über den Formenkreis von *Caloplaca flavorubescens* in Europa. – *Cryptogamie, Bryologie et Lichénologie* 13: 261–273.
- HAFELLNER J., HERZOG G. & MAYRHOFER H. 2008. Zur Diversität von lichenisierten und lichenicolen Pilzen in den Ennstaler Alpen (Österreich, Steiermark, Oberösterreich). – *Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark* 137: 131–204.
- JØRGENSEN P.M. 1978. The lichen family Pannariaceae in Europe. – *Opera Botanica* 45: 1–123.
- KÄRNEFELT I. 1986. The genera *Bryocaulon*, *Coelocaulon* and *Cornicularia* and formerly associated taxa. – *Opera Botanica* 86: 1–90.
- KÖRBER G.W. 1867. Lichenen aus Istrien, Dalmatien u. Albanien. – *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien* 17: 611–618.
- KUŠAN F. 1932. Istraživanje flore i vegetacije lišajeva sjeverozapadnih crnogorskih planina. – *Ljetopis Jugoslavenske Akademije Znanosti i Umjetnosti* 44: 139–146.
- KUŠAN F. 1933. Flora i vegetacija lišaja sjeverozapadnih crnogorskih planina. – *Prirodoslovna Istraživanja Kraljevine Jugoslavije* 18: 68–124.
- MAYRHOFER H. & POELT J. 1978. *Rinodinella* – eine neue Gattung der Flechtenfamilie Physciaceae. – *Hoppea, Denkschriften der Regensburgischen Botanischen Gesellschaft* 37: 89–105.
- MAYRHOFER H., DENCHEV C.M., STOYKOV D.Y. & NIKOLOVA S.O. 2005: Catalogue of the lichenized and lichenicolous fungi in Bulgaria. – *Mycologia Balcanica* 2: 3–61.
- MEĐEDOVIĆ S. 1972. Nova nalazišta vrste *Letharia vulpina* (L.) Vain. u Jugoslaviji. – *Glasnik Republičkog Zavoda za Zaštitu Prirode i Prirodnačkog Muzeja u Titograd* 4 [1971]: 77–81.
- NIMIS P.L. & MARTELOS S. 2003. A second checklist of the lichens of Italy with a thesaurus of synonyms. – *Museo Regionale di Scienze Naturali Saint-Pierre – Valle d’Aosta Monografie* 4: 1–192.
- ORANGE A., JAMES P.W. & WHITE F.J. 2001. Microchemical methods for the identification of lichens. – *British Lichen Society*.
- POELT J. 1969. Bestimmungsschlüssel europäischer Flechten. – *Lehre*: J. Cramer.
- POELT J. & PETUTSCHNIG W. 1992. Beiträge zur Kenntnis der Flechtenflora des Himalaya IV Die Gattungen *Xanthoria* und *Teloschistes* zugleich Versuch einer Revision der *Xanthoria candelaria*-Gruppe. – *Nova Hedwigia* 54: 1–36.
- POELT J. & VĚZDA A. 1977. Bestimmungsschlüssel europäischer Flechten. *Ergänzungsheft I.* – *Bibliotheca Lichenologica* 9: 1–258.
- POELT J. & VĚZDA A. 1981. Bestimmungsschlüssel europäischer Flechten. *Ergänzungsheft II.* – *Bibliotheca Lichenologica* 16: 1–390.
- SANTESSON R., MOBERG R., NORDIN A., TØNSBERG T. & VITIKAINEN O. 2004. Lichen-forming and lichenicolous fungi of Fennoscandia. – *Uppsala: Museum of Evolution*.

- SAVIĆ S. 2001. Contribution to the lichen flora of Montenegro. – Razprave, Slovenska Akademija Znanosti in Umetnosti. IV. Razreda 42(2): 197–208.
- SERVÍT M. 1931. Flechten aus Jugoslawien. 2. Süddalmatien und Lovćen. – Hedwigia 71: 215–282.
- TIMDAL E. 1991. A monograph of the genus *Toninia* (Lecideaceae, Ascomycetes). – Opera Botanica 110: 1–137.
- VONDRÁK J., GUTTOVÁ A. & MAYRHOFER H. 2008. A further contribution to the knowledge of lichen-forming and lichenicolous fungi in Crete. – Herzogia 21: 105–124.
- WHITE F.J. & JAMES P.W. 1985. A new guide to microchemical techniques for the identification of lichen substances. – Bulletin of the British Lichen Society 57 (Suppl.): 1–41.
- WIRTH V. 1995. Flechtenflora: Bestimmung und ökologische Kennzeichnung der Flechten Südwestdeutschlands und angrenzender Gebiete. 2. Auflage. – Stuttgart: Ulmer.
- ZAHLBRUCKNER A. 1888. Lichenes. – In: BECK, G. & SZYSZYŁOWICZ, I. (eds.). Plantae à Dre Ign. Szyszyłowicz in itinere per Cernagoram & in Albania adjacentes anno 1886 lectae. – Cracoviae: Universitatis Jagellonicae.
- ZAHLBRUCKNER A. 1903. Vorarbeiten zu einer Flechtenflora Dalmatiens II. – Österreichische Botanische Zeitschrift 53: 147–153, 177–185, 239–246, 285–289 and 332–336.
- ZAHLBRUCKNER A. 1907. Vorarbeiten zu einer Flechtenflora Dalmatiens IV. – Österreichische Botanische Zeitschrift 57: 19–30, 65–73 and 389–400.
- ZAHLBRUCKNER A. 1909. Vorarbeiten zu einer Flechtenflora Dalmatiens VI. – Österreichische Botanische Zeitschrift 59: 315–321, 349–354, 398–407, 439–444 and 488–503.
- ZAHLBRUCKNER A. 1910. Vorarbeiten zu einer Flechtenflora Dalmatiens VI. – Österreichische Botanische Zeitschrift 60: 13–22 and 71–81.
- ŽUKOVEC D. 2005. Lišajevi. – Bilten podmlatka i Biološke grupe Društva istraživača Vladimir Mandić Manda pp. 35–36.

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