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**CONTRIBUTION TO THE LICHEN FLORA OF URUGUAY.
XLIV. ADDITIONS AND CORRECTIONS.**

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ABSTRACT: Eighteen uruguayan lichens are listed including 28 new Departamental records. to Uruguay.

RESUMEN: Se enumeran 18 líquenes uruguayos incluyendo 28 nuevos registros departamentales.

KEY WORDS: Uruguay, Lichens, Distribution.

PALABRAS CLAVE: Uruguay, Líquenes, Distribución.

Introducción

In this Contribution we have listed several new Departamental records identified with an asterisk (*) and some taxonomical corrections.

A chapter is dedicated to the genus *Ramboldia* recently incorporated to the lichen flora of Uruguay (KALB *et al.* 2008). This genus was formerly reported under the genera *Lecidea*, *Protoblastenia* and *Pyrrhospora*.

Below we have enumerated several new Departamental records of both species of *Ramboldia* known in Uruguay.

In the list of species we would like to stress the specimens collected in the Department of Rio Negro by the Biologists F.

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Scarabino and C. Clavijo (MVM) because in an checklist of the lichen flora of Uruguay (OSORIO 2005:78/79) only 8 species are recorded from this Department.

The collection sites in the Department of Rio Negro are as follows: Rio Uruguay: Arroyo Caracoles Chico, Colonia Tomas Berreta: 33°10'S/58°36'W; Rio Uruguay, Balneario las Cañas: 33°10'S/58°20'W. and Rio Uruguay, Creek of Arroyo Laureles: 33°06'S/58°13'W.

The lichens listed in this contribution are housed in Herbarium of the Museo Nacional de Historia Natural (MVM) and in the private collection of the author (HO).

The following abbreviations are used for the Departaments sampled: AR: Artigas, CO: Colonia, DU: Durazno, FA: Florida, FS: Flores, LA: Lavalleja, MA: Maldonado, MO: Montevideo, PA: Paysandú, RI: Rivera, RO: Rocha, RN: Rio Negro, SJ: San Jose, TA: Tacuarembó, TT: Treinta y Tres.

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List of species

(*) *Dirinaria applanata* (FEE) AWASTHI.

RN: Balneario Las Cañas, 2009, on shrubs, F. Scarabino s.n. (HO 9741).

Flavoparmelia rutidota (HOOK. & TAYL.) HALE

(*) **PA:** Hwy. 3 and arroyo Sacra, 1948, 32° 33'S/58° 10'W, on shrubs, marginal forest of the Sacra brook, (HO 1413).

(*) **RN:** Colonia T. Berreta, 2009, on shrubs, F. Scarabino & C. Clavijo s.n. (HO 9745, MVM 16.728).

(*) **SJ:** Barra de Santa Lucia, 1945, 34°47'S/56°21'W, on trunk of shrubs, swampy soil, (HO 878).

Glyphis cicatricosa (ACH.) VAINIO

(*) **RN:** Balneario Las Cañas, 2009, on shrubs, F. Scarabino s.n. (HO 9742).

Heterodermia diademata (TAYL.) AWASTHI

(*) **RN:** Colonia T. Berreta, 2009, on bark of tree, F. Scarabino & C. Clavijo s.n. (HO 9746, MVM 16.733).

Parmotrema austrosinense (ZAHLEBR.) HALE

(*) **RN:** Balneario Las Cañas, 2009, on shrubs, F. Scarabino s.n. (HO 9736). Colonia T. Berreta, 2009, branches of shrubs, F. Scarabino & C. Clavijo s.n. (HO 9751, MVM 16.471).

Ramalina aspera RÄSÄNEN

(*) **AR:** Rio Uruguay, Isla Zapallo, 2010, 30°31'S/57°53'W, on branches of shrubs, J. Gago s.n. (HO 9740, MVM 16.839).

(*) **RN:** Balneario Las Cañas, 2009, on shrubs, F. Scarabino s.n. (HO 9738). Colonia T. Berreta, 2009, branches of shrubs, F. Scarabino & C. Clavijo s.n. (HO 9748, MVM 16.847). Rio Uruguay and Arroyo Laureles, 2009, on branches of trees, F. Scarabino & C. Clavijo s.n. (HO 9732, MVM 16.735).

Ramalina celastri (SPRENG.) KROG & SWINSCOW

MO: Rincon de Melilla, 2009, 34°45'S/56°20'W, on *Erythrina crista galli*, marginal forest of Rio Santa Lucia, M. Garcia de la Peña s.n. (HO 9734, MVM 16.622). Duplicata of this collection will be distributed in "Dupla Graecensia Lichenum" Graz.

RN: Balneario Las Cañas, 2009, on shrubs, F. Scarabino s.n. (HO 9739, MVM 16.840). Colonia Tomas Berreta, 2009, on shrubs, F. Scarabino & C. Clavijo s.n. (HO 9747, MVM 16.841). Duplicata of this collection will be distributed in "Dupla Graecensia Lichenum" Graz.

Rio Uruguay and Arroyo Laureles, 2009, branches of trees, F. Scarabino & C. Clavijo s.n. (HO 9732, MVM 16.736).

Rimelia cetrata (Ach.) HALE & FLETCHER.

(*) **RN:** Balneario Las Cañas, 2009, on shrubs, F. Scarabino s.n. (HO 9743). Colonia Tomas Berreta, 2009, on shrubs, F. Scarabino & C. Clavijo s.n. (HO 9749, 9750, MVM 16.740, 16.742).

Rimelia reticulata (TAYLOR) HALE & FLETCHER

(*) **RN:** Colonia Tomas Berreta, 2009, on bark, F. Scarabino & C. Clavijo s.n. (HO 9744, MVM 16.737).

Usnea amblyoclada (MÜLL.ARG.) ZAHLEBR.

MO: Punta Espinillo, 2009, 34°50'S/56°23'W, on rocky slope, Rio de la Plata shore, aerohaline zone, (HO 9731).

Usnea angulata ACH.

(*) **FS:** Route 3: km 164 (46 km N from Trinidad City: 33°32'S/56°54'W), 1969, on wooden fence post at roadside, (HO 6341).

Usnea dasaea STIRTON

(*) **FS:** Arroyo Sarandi, Paso de los Ahogados (3 km N from Trinidad City: 33°32'S/56°54'W) 1969, on wooden fence post, (HO 6390).

(*) **SJ:** Cerro Tia Josefa, 1973, 34°04'S/56°48'W, branches of *Celtis tala*, Guani Balparda s.n. det. J. M. Rodríguez 2009 (MVM 17.606, 17.609).

Usnea perplectata MOTYKA

(*) **RO:** Sierra de San Miguel, Cerro de la Guardia Perdida, 33°42'S/53°34'W, 1989, on branches of shrubs, the only specimen seen, det. J. M. Rodríguez 2009. Formely published as *Usnea baileyi* (Stirt.) Zahlbr. (Osorio 1992: 39).

Usnea rubicunda STIRTON

(*) **MA:** Aigua, 1998, 34°12'S/54°45'W, on rocks, M. Pedochi s.n. (HO 9693).

Teloschistes chrysophthalmus (L.) TH. FR.

RN: Balneario Las Cañas, 2009, on shrubs, F. Scarabino s.n. (HO 9737).

The Genus *Ramboldia* in Uruguay.

In a recent publication (K. KALB *et. al.* 2008) 2 taxa of the genus *Ramboldia* are listed from Uruguay: *R. haematites* (pag. 33) and *R. heterocarpa* (pag.34).

Both species are published with the name of the country but lacking locality, collector, date etc. Thanks to the help of Drs. Andreas Beck (M) and Philippe Clerc (G) we have received the complementary information of both species as follows:

Ramboldia haematites (FEE) KALB, LUMBSCH & ELIX

CA: Carrasco, 1946, 34°54'S/56°03'W, on bark, HERTER 61.037 (G), (*Protoblastenia russula*// OSORIO 1967:7).

RO: Hwy. 9 and Arroyo Sarandi del Consejo, 1967, 34°37'S/54°07'W, on wooden fence post, OSORIO 5577 (M), (*Pyrrhospora russula* Osorio 1995:8).

Ramboldia heterocarpa (FEE) KALB, LUMBSCH & ELIX

LA: Hwy. 8: km 209, Estancia Madeiros (10 km S from Piraraja Town: 33°44'S/54°45'W), 1956, on rocks, Osorio 3732 (M).

Below are listed representative collections:

Ramboldia haematites (FEE) KALB, LUMBSCH & ELIX:

(*) **AR:** Hwy 30 and Arroyo El Catalan, 30°31'S/56°20'W, 1948, on wooden fence post, (HO 1478) (*Lecidea russula*// OSORIO 1970:341).

(*) **LA:** Las Achiras near Piraraja Town, 33°44'S/54°45'W, 1956, on wooden fence post, (HO 3646), (*Pyrrhospora russula* // OSORIO 2005:6).

(*) **RI:** Subida de Mendez, Campo Los Potreros (near Tranqueras Town: 31°12'S/55°45'W), 1947, on trees, (HO 1090), (*Pyrrhospora russula* // OSORIO 2005:6).

RO: Sierra de San Miguel, Cerro de la Guardia Perdida, 1989, 33°42'S/53°34'W, on shrubs' branches, (HO 9172), (*Lecidea russula* // OSORIO 1992:38).

(*) **TA:** Rincon de la Laguna (near Pueblo Ansina:31°34'S/55°28'W), 1947, branches of tree, (HO 1153), (*Lecidea russula*//OSORIO 1970:341).

(*) **TT:** Quebrada de los Cuervos, 1970, 32°54'S/54°24'W, on trunk of Eucalyptus, (HO 6015).

Ramboldia heterocarpia (FEE) KALB, LUMBSCH & ELIX.

(*) **CO:** Cerros de San Juan, 1969, 34°12'S/57°57'W, on rocks, very common, (HO 6285).

(*) **DU:** El Cordobes, Estancia Las Pitangas, el Prado, 1953, 32°30'S/55°12'W, on rocks, S slope, (HO 2965).

(*) **FA:** Casupa, 1972, 34°07'S/55°39'W, O. Del Puerto s.n. det. K. Kalb 2010 (Herb. Kalb, MVM 17.550), (*Lecidea russula* // OSORIO 1980:252).

LA: Arroyo Aguas Blancas, 1967, 34°53'S/54°47'W, det. K. Kalb 2010 (Herb. Kalb, Osorio 4976).

(*) **MO:** Carrasco, Cañada de las Canteras, 1948, 30°40'S/56°03'W, scarce on rocks, (HO1772).

(*) **SJ:** Sierra Mahoma, 1969, 34°05'S/56°56'W, on S facing side of boulder, (HO 6190), (*Lecidea russula* // OSORIO 1980:218).

(*) **TA:** Valle Eden, 1947, 31°50'S/56°09'W, on sunny stones, (HO 1098.a.) (*Lecidea russula* // OSORIO 1970:341).

(*) **TT:** Quebrada de los Cuervos, 1970, 32°54'S/54°25'W, on rocks 1 km E from the ravine (HO 5958).

Results

The results of the study of the taxa above enumerated can be summarized as follows: Eighteen Uruguayan lichens are listed including 28 new Departamental records.

Usnea amblyoclada is gathered in the SW of Montevideo Department. The only record known of this species in this Department belongs to Gaudichaud in 1836 (MOTYKA 1937:319).

The genus *Ramboldia* recently reported in Uruguay is largely distributed in all the country.

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