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CONTRIBUTION TO THE LICHEN FLORA OF URUGUAY. XXXVII. SOME INTERESTING RECORDS.

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ABSTRACT: *Contribution to the lichen flora of Uruguay. XXXVII. Some interesting records.*— Fourteen lichens collected in Uruguay are listed. *Cladonia salmonea* and *Phaeographis medusiformis* are added to the known flora of the country.

RESUMEN: *Contribución a la flora líquénica del Uruguay. XXXVII. Algunos registros interesantes.*— Se enumeran catorce líquenes colectados en Uruguay. *Cladonia salmonea* y *Phaeographis medusiformis* se incorporan a la flora de Uruguay.

Key words: Uruguay - Lichens - Distribution.

Palabras clave: Uruguay - Líquenes - Distribución.

Introduction

The present contribution to the lichen flora of Uruguay is based on several new Departmental records and on the other hand in some additions to the known flora of the country. Some significant enlargements of the distributional areas in South America are also pointed out.

Several gatherings originated in East Uruguay prove the increasing importance of this region as the southernmost limit for many tropical species.

Among the below listed species the new Departmental records are identified with an asterisk (*), the additions to the flora of East Uruguay with a paragraph (§) and a cross (†) for the new records for the country.

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If any other is stated, all the specimens were gathered by the author and the numbers between parenthesis belong to his private herbarium.

Acknowledgements: Thanks are given to several collectors for providing the samples below listed.

List of species

Caloplaca crocea (KREMPELHUBER) HAFELLNER & POELT

Maldonado: Sierra de las Animas, Road to Mirador Nacional, 1950, altitude 200 m, on rocks at roadside (2315).

Confirm. J. POELT 1979.

This is the first record of this species growing on rocks.

Canomaculina subsumpta (NYLANDER) ELIX

* Canelones: Bañado del Negro, Ruta Interbalnearia, km 27.5 (34°48' S/ 53° 50' W), 1981, on wooden fence post (5197).

* Maldonado: Sierra de las Animas, Headwaters of Cañada Totorá, 1981, on *Rapanea laetevirens* (5204).

* §Treinta y Tres: Cuchilla de Dionisio, Estancia La Teja, 1970, on rocks, bottom of the ravine. Det. M. HALE 1974 (as *Parmelia s.*)(6096)

Cladonia latiloba AHTI & MARCELLI

* Maldonado: Piriapolis, Cerro del Toro (34°54' S/ 55° 15' W), 1961, altitude 50-100 m, on soil rich in humus (4586).

Cladonia salmonea STENROOS

† Rocha: Castillos, Cerro de los Rochas, (34°12' S/ 53°50' W), 2001, altitude 50-100 m, on rocks, GEYMONAT s.n. (9511).

New to Uruguay. This species was reported from a very restricted range in the Brazilian of the States of Minas Geraes and Rio de Janeiro (AHTI 2000:228, STENROOS 1989:255). The present find enlarges 1500 km southward the area covered by this species. The different altitudes in which were collected the Brazilian (1000-2200 m) and the Uruguayan samples (50-100 m) is also outstanding.

Coccocarpia palmicola (SPRENGEL) L. ARVIDSSON & G. GALLOWAY

* §Rocha : Cerro Lechiguana (9 km N from Castillos city: 34°12' S/ 53°50' W), 2002, on trunk of palm tree. G. GEYMONAT s.n. (9526).

Formerly known in Uruguay from a collection in North Uruguay (OSORIO 1996:2). According with the distribution mapped by ARVIDSSON (1982:75) the present find is the southernmost record in South America.

Graphis pavoniana FEE

*Montevideo: Carrasco brook (between Italia Ave. and Carrasco Road), 1982, on trunk of *Pinus* (5246).

Hyperphyscia carassensis (VAINIO) OSORIO

*Flores: 3^a Secc. Arroyo Marincho (40 km N from Trinidad city), 1956, on *Celtis tala* isolated in a meadow (3482).

*Lavalleja: Minas, Fuente Salus, 1956, on *Salix* at roadside (3609.a)

*Maldonado: Abra de Perdomo, 1949, altitude 50-100 m, on bark of tree in a farm (1893).

*San José: San José de Mayo, 1949, on bark in an abandoned farm. O. CAMACHO s.n. (2539).

Hyperphyscia syncolla (TUCKERMANN) KALB

*Durazno: La Paloma, 1953, on trunk, damp place (2881). Rio Negro (1 km E from railway station km. 319), 1974, on branches of shrubs, along the river (7011).

*Treinta y Tres: Quebrada de los Cuervos, 1970, on trunk of *Ficus carica* in *Eucalyptus* forest (5985).

Pertusaria subvaginata NYLANDER

*Treinta y Tres: Cuchilla de Dionisio, Estancia La Teja, 1970, on rocks (6071).

Phaeographis lobata (ESCHWEILER) MÜLLER ARGOVIENSIS

Rocha: La Esmeralda (route 9, km 280), 2002, on *Pinus*. A. MONES s.n. (9525)

Already reported in this locality (OSORIO, 1989:4) being the southernmost record of this species in South America.

(†) *Phaeographis medusiformis* (KREMPELHUBER) MÜLLER ARGOVIENSIS

Durazno: Arroyo El Cordobes, Paso de la Cruz, 1953, on branches of shrubs, edge of the forest (2737).

New to Uruguay.

Punctelia subpraesignis (NYLANDER) KROG

*Maldonado: Abra de Castellanos, 1969, on rocks. det. M. HALE 1974 (as *Parmelia* s.) (6560). Cerro Pan de Azúcar, Los Talleres, 1963, on rocks. det. M. HALE 1974 (as *Parmelia* s.) (5034)

Formerly known in S and W Uruguay (OSORIO, 1979:290; 1980:219).

Sticta fuliginosa (HOFFMANN) ACHARIUS.

*Maldonado: Cerro Pan de Azucar, 1970, 100-200 m, on mossy rocks, S slope. DEL PUERTO, IZAGUIRRE & MARCHESI s n. (9507, 9363). Sierra de las Animas: Headwaters of Cañada Totorá, 1981, on trunk

of tree (5216), on rocks, (5220). Sierra de las Animas: Pozo Azul, 1963, on mossy rocks (4984), on trunk of *Citharexylon montevidense* (4985). Sierra de las Animas: Pozo de las Orquídeas, 1964, on *Citharexylon montevidense* (4699), on *Sebastiania Klotzschiana* (4708, 4711), on mossy rocks (4703, 4717), 1978, on mossy rocks (7604).

* §Rocha: Castillos, Cerro de los Rochas, 2001, (34°12' S/ 53°50' W) altitude 50-100 m, on rocks, GEYMONAT s.n. (9512).

* §Treinta y Tres: Quebrada de los Cuervos, 1970, on trunks, bottom of a ravine (5920).

Reported from a single collection in North Uruguay (OSORIO 1970:343). Its abundance in the Department of Maldonado is noticeable, growing in very diverse substrates.

Sticta weigeli (ACHARIUS) VAINIO

*Maldonado: Sierra de las Animas, Pozo Azul, 1963, on *Citharexylon montevidense* (4999).

* §Treinta y Tres: Cuchilla de Dionisio, Estancia La Quebrada, 1970, on *Erythrina crista galli* (6107, 6135), on *Sebastiania* (6109), on *Citharexylon* (6111).

Known in Uruguay through a collection in North Uruguay (MAGNUSSON 1950:228).

Results

The study of this small collection allows us to publish these results:

The following species are added to the known flora of the country: *Cladonia salmonea* and *Phaeographis medusiformis*.

For the following species the gatherings here reported are the southernmost records known in South America: *Cladonia salmonea*, *Coccocarpia palmicola*, *Phaeographis lobata* and *Ph. medusiformis*.

Five species are added to the known flora of East Uruguay: *Canomaculina subsumpta*, *Cladonia salmonea*, *Coccocarpia palmicola*, *Sticta fuliginosa* and *S. weigeli*.

Eighteen new Departmental records are pointed out.

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