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**CONTRIBUTION TO THE LICHEN FLORA OF URUGUAY.
XXXVI. NEW RECORDS AND CORRECTIONS**

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ABSTRACT: *Contribution to the lichen flora of Uruguay. XXXVI. New records and corrections.*— The genera *Asterothyrium* and *Gyalectidium* and *Dimerella epiphylla* are added to the known flora of the country. Several new Department records are listed. *Cladonia foliacea* and *Cladonia pityrophylla* are deleted from the Uruguayan lichen flora.

RESUMEN: *Contribución a la flora líquénica del Uruguay. XXXVI.- Citas nuevas y correcciones.*— Los géneros *Asterothyrium* y *Gyalectidium* y *Dimerella epiphylla* se citan por primera vez para el país. Se enumeran nuevos registros Departamentales. *Cladonia foliacea* y *Cladonia pityrophylla* se eliminan de la flora.

Key words: Uruguay - Lichens - Taxonomy - Distribution.

Palabras clave: Uruguay - Líquenes - Taxonomía - Distribución.

Introduction

This contribution is based on the study of collections which appoint to additions to the known flora of Uruguay or to remarkable enlargements of their distribution in the country.

The numbers between brackets belong to the author's numbering system and are housed in his private herbarium. An asterisk (*) preceding a name indicates a new record for the Department and a cross (†) a new record for Uruguay.

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List of species

Anthracotheций gonіostomum MÜLLER ARGOVIENSIS

* Cerro Largo: Isla de las Canarias de Bentacor, IX.2001, 32°32'S/54°34'W, on shrubs, E. ALONSO & M. J. BASSAGODA (9496).

†*Asterothyrium leucophthalmum* (MÜLLER ARGOVIENSIS) R. SANTESSON

Durazno: Rio Negro, Paso de las Piedras, 1974, on *Daphnopsis racemosa*, (6971.b), det. R. LÜCKING 2001. First record of this genus from Uruguay.

Caloplaca commixta (MALME) ZAHLBRUCKNER

This *Caloplaca* is known in Uruguay from two Departments: Colonia (OSORIO 1979:289) and Montevideo (OSORIO 1971: 375). The below listed gatherings enlarge the distributional area in the country:

*Canelones: Bañado del Negro (Route Interbalnearia, km 27.5), 1980, on *Populus*, (5156), 1980, on *Salix*, (5128).

Colonia: Paso Antolín (Route 22 and San Juan river), 1969, on *Casuarina*, (6333).

*Florida: 25 de Agosto, 1947, on *Salix humboldtiana*, (1306).

*Maldonado: Abra de Perdomo, 1949, on *Ficus carica*, (1885).

*Montevideo: El Prado, 1949, on bark of tree, (1778), Buceo, 1949, on *Ficus carica* (1636).

*San José: La Barra, 1945, on shrubs, (871), San José de Mayo, 1949, on trees, O. CAMACHO s.n. (2532).

Canomaculina pilosa (STIZENBERGER) ELIX & HALE

*Cerro Largo: Isla de las Canarias de Bentacor, 2001, 32°32'S/54°34'W, on branches of shrubs, E. ALONSO & M. J. BASSAGODA (9499).

Cladonia foliacea (HUDSON) SCHAERER

Montevideo: Carrasco, HERTER 70636, published by HERTER (1933:48) and identified by AHTI (2000:250) as *Cladonia latiloba* AHTI & MARCELLI.

Cladonia foliacea var. *firma* (NYLANDER) VAINIO

San José: Barra de Santa Lucía, HERTER 86405 (Herb. OSORIO) published by HERTER (1943:185) and redetermined by AHTI (2000:250) as *Cladonia latiloba*.

The collection HERTER 86405 was also published as *Cladonia pityrophylla* by HUOVINEN et al. (1989:299).

Two other gatherings of *Cladonia pityrophylla* (OSORIO, 1995:443) were redetermined by the author as *Cladonia latiloba*.

Therefore both species *Cladonia foliacea* and *Cladonia pityrophylla* must be deleted from the Uruguayan lichen flora.

†*Dimerella epiphylla* (MÜLLER ARGOVIENSIS) MALME

Cerro Largo: Isla de las Canarias de Bentacor, 2001, 32°32'S/54°34'W, on *Daphnopsis racemosa*, E. ALONSO & M. J. BASSAGODA (9504). New to Uruguay.

†*Gyalectidium caucasicum* (ELENKIN & WORONICHIN) VEZDA

Durazno: Rio Negro, Paso de las Piedras, 1974, on *Daphnopsis racemosa*, (6971.a), det. R. LÜCKING 2001. First record of this genus from Uruguay.

Lecanora argentata (ACHARIUS) DEGELIUS

Canelones: Parque Nacional "F. D. Roosevelt", 1969, on *Eucalyptus* (6225).

Lecanora chlaronella NYLANDER

*Maldonado: Punta Ballena, Parque Lussich, 1961, on smoothbarked tree, (4614.b).

Lecanora helva STIZENBERGER

*San Jose: La Barra, 1951, on wooden fence post, (2265), det. H. T. LUMBSCH 2000.

Lecanora leprosa FÉE

Montevideo: Carrasco, 1949, on bark of *Pinus*, (1844).

Lecanora praeferenda (NYLANDER) NYLANDER

Montevideo: Buceo, 1949, on tree (1001.a).

*Maldonado: Abra de Perdomo, 1949, on *Ficus carica* (1895).

Tacuarembó: Rincón de la Laguna, 1947, on wooden fence post (1160).

Lecanora subalbellina VAINIO

Artigas: Arrocería Conti, 1976, on *Acacia farnesiana* (7444).

*Maldonado: Abra de Castellanos, 1969, on *Blepharocalyx* (6566).

Lecanora tropica ZAHLBRUCKNER

*Salto: Pirotto (Route 3: km 535), 1972, on bark of tree (6751).

If nothing else is stated all the above reported *Lecanora* species were identified by R. GUDERLEY during the year 2000.

Peltula euploca (ACHARIUS) POELT ex PISUT

*Durazno: El Cordobés, Estancia Las Pitangas, 1953, on rocks (2858, 2958).

*Lavalleja: Cerro Penitente, 1953, on wet rocks near the waterfall (3333).

Formerly known from S and W Uruguay (OSORIO 1972:29, 1992:57).

Phaeographina lecanographa (NYLANDER) MÜLLER ARGOVIENSIS

Canelones: Parque Nacional "F. D. Roosevelt", 1984, on trunk of *Acacia*, *Pinus* and *Acacia* plantation, only specimen observed (8363).

*Cerro Largo: Isla de las Canarias de Bentacor, 2001, 32°32'S/54°34'W, on branches of shrubs, E. ALONSO & M. J. BASSAGODA (9495). The collection from Parque Nacional "F. D. Roosevelt" is the southernmost record of this species from South America.

Ramalina celastri (SPRENGEL) KROG & SWINSCOW

*Cerro Largo: Isla de las Canarias de Bentacor, 2001, 32°32'S/ 54°34'W, on shrubs, E. ALONSO & M. J. BASSAGODA (9497).

Ramalina peruviana ACHARIUS

Cerro Largo: Isla de las Canarias de Bentacor, 2001, 32°32'S/54°34'W, on shrubs, E. ALONSO & M. J. BASSAGODA (9498). Second record of this species in the Department. Duplicata of this collection will be distributed in "Dupla Graecensia Lichenum".

Strigula smaragdula FRIES

*Cerro Largo: Isla de las Canarias de Bentacor, 2001, 32°32'S/54°34'W, on *Tragia volubilis* (9500), *Nectandra megapotamica* (9501), *Iodina rhombifolia* (9502), *Daphnopsis racemosa* (9503), E. ALONSO & M. J. BASSAGODA.

Teloschistes exilis (MICHAX) VAINIO

Reported by MÜLLER ARGOVIENSIS (1888:2) from Montevideo Department

for the first time but without a more precise localization.

The second collection known is as follows: MONTEVIDEO, Carrasco, 1939, F. ROSA-MATO (9491). Due to the large and intensive urbanization of this region we estimate that this species must be considered as extinct in Montevideo Department.

Usnea poliotrix KREMPELHUBER

*Canelones: Parque Nacional "F. D. Roosevelt", 1969, on *Eucalyptus* (6231), 1983, on *Quercus* (8284), 1986, on *Eucalyptus* (8606).

These collections are the southernmost record of this species in South America.

Results

The results obtained from the study of the 22 lichens above listed can be summarized as follows:

The genera *Asterothyrium* and *Gyalectidium* and *Dimerella epiphylla* are added to the known flora of the country.

Phaeographina lecanographa and *Usnea poliotrix* are the southernmost records of these species in South America.

Eighteen new Department records are listed.

Cladonia foliacea and *Cladonia pityrophylla* are deleted from the Uruguayan flora because they are based on misidentifications.

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