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

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ABSTRACT: *Contribution to the lichen flora of Uruguay. XXXIII. New records and corrections.*— *Cladonia strepsilis* and *Ramalina aspera* are added to the lichen flora from Uruguay. Three species are deleted of the flora because they were wrongly identified. Some additional localities are also listed.

RESUMEN: *Contribución a la flora líquénica del Uruguay. XXXIII. Nuevas citas y correcciones.*— *Cladonia strepsilis* y *Ramalina aspera* se citan por primera vez para el Uruguay. Tres especies se eliminan de la flora pues están basadas en identificaciones erróneas. Se citan nuevas localidades adicionales.

Key words: Uruguay - Lichens - Taxonomy - Distribution.

Palabras clave: Uruguay - Líquenes - Taxonomía - Distribución.

Introduction

The present paper is another contribution to the lichen flora of Uruguay with taxonomic corrections and additions. This is a necessary task before the publication of a new and updated Catalogue of the Uruguayan lichen flora.

The numbers between parenthesis belong to the author's numbering system. The samples are preserved in his private herbarium, duplicates are deposited in H and MVM.

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List of species

Cladonia strepsilis (ACH.) GROGNOT

Lavalleja: Cerro Arequita, 1999, on rocks, leg. F. SCARABINO s.n., det.

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T. AHTI (H, MVM 17.060, Herbario OSORIO 9386).

Maldonado: Sierra de la Ballena, Las Cumbres, 2000, on holes of rocks, leg. ALONSO & BASSAGODA s.n. (MVM 16.726, Herbario OSORIO 9398).

Recently incorporated to the South American flora (FLEIG, 1995:20).
New to Uruguay.

Heterodermia japonica (SATO) SWINSCOW & KROG

Known from one locality in SW Uruguay (OSORIO, 1995a:442). This collection was redetermined by S. KUROKAWA as *H. cassarettiana* (MASSAL.) TREVIS. Apparently *H. japonica* is endemic to eastern Asia (KUROKAWA in letter 23.3.2000).

Lecanora addubitata KREMP.

GUDERLEY (1999:178) reported the only lignicolous collection known of this saxicolous species. We are adding the second lignicolous sample from a similar substract:

Flores: Barra del Arroyo Sauce (near Ismael Cortinas town), 1949, on wooden fence post, leg. O. CAMACHO s. n. (Herbario OSORIO 2096).

Lecanora aeruginascens H. MAGN.

Known in Uruguay from the type collection (MAGNUSSON, 1950: 216).

The following new localities are below listed:

Durazno: Arroyo El Cordobés, Estancia Las Pitangas, 1953, on rocks, top of a small hill (2916).

Lavalleja: Arroyo La Calera and route 8 (near Mariscal town), 1956, on rocks, shore of a brook (3624 and 3637).

Maldonado: Paso Real (cross of the route 9 and Pan de Azucar Brook), 1950, on perpendicular rocks (2359).

Lecanora coronulans NYL.

Recently reported for the Uruguayan flora by LUMBSCH, GUDERLEY and ELIX (1996:277) for the first time. The additional samples below listed were identified by R. GUDERLEY:

Artigas: Bella Unión, 1948, on wooden fence post (1446).

Canelones: Río Santa Lucía, Isla del Francés, 1950, on branches of shrubs (2162).

Flores: route 3: km 241, 1956, on wooden fence post (3547 a & b).

Lavalleja: Las Achiras (near Pirarajá town), 1956, on bark of *Eucalyptus* (3648).

Maldonado: Punta Ballena, Parque Lussich, 1961, on smooth-barked tree along a small road (4615).

Montevideo: Carrasco, 1949, on *Eucalyptus* near the Escuela Nacional Naval (ex Miramar Hotel) (1840).

Rocha: Laguna Castillos and Arroyo Valizas, 1967, on *Myoporum*

(5600).

Tacuarembó: Rincón de la Laguna (near Pueblo Ansina town), 1957, on bark of tree, locally common (1168).

Ramalina complanata (SWARTZ) ACH.

Recently ROSATO & SCUTARI (2000) reviewed the *Ramalina complanata* and *R. aspera* complex in Argentina and concluded that a large number of the collections filed as *R. complanata* are misidentifications of *R. aspera*.

We have reexamined all the samples of *R. complanata* published from Uruguay (OSORIO, 1972:33; 1992:61, and 1995b:9) and identified them as *R. aspera*. Selected specimens examined (total = 16):

Artigas: Arrocería Conti, 1976, on branches of *Pirus communis* (7425).

Colonia: Nueva Palmira, Arroyo Sauce, 1968, on wooden fence post (4866).

Rocha: route 9 and Arroyo Sarandí del Consejo, 1967, on wooden fence post (5562).

Salto: Salto Grande, Estancia Galvarini, 1972, on trunk of *Melia azedarach* (6717).

Xanthoria fallax (HEPP) ARNOLD

Known in Uruguay from a single collection from SE Uruguay (OSORIO, 1995b:10). This collection was redetermined by KONDRATYUK & KÄRNEFELT (1997:28) as *X. gallowayii*.

Results

We can summarize the results of the collections studied as follows:

1) Taxa added to the known flora of the country:

Cladonia strepsilis and *Ramalina aspera*.

2) *Heterodermia japonica*, *Ramalina complanata* and *Xanthoria fallax* must be deleted from the Uruguayan flora because they are based on misidentifications.

3) Additional new localities are given for the following species: *Lecanora addubitata*, *L. aeruginascens* and *L. coronulans*.

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