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CONTRIBUTION TO THE LICHEN FLORA OF URUGUAY. XXXI. NEW OR ADDITIONAL RECORDS.

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ABSTRACT: *Contribution to the lichen flora of Uruguay. XXXI. New or additional records.*— Two genera and five species are added to the known lichen flora of Uruguay. *Pertusaria hossei* (RÁS.) ARCHER et OSORIO is a new combination.

RESUMEN: *Contribución a la flora líquénica del Uruguay. XXXI. Registros nuevos o adicionales.*— Dos géneros y cinco especies se citan por primera vez para el país. Se propone una nueva combinación: *Pertusaria hossei* (RÁS.) ARCHER et OSORIO.

Key words: Uruguay - Lichens - Taxonomy - Distribution.

Palabras claves: Uruguay - Líquenes - Taxonomía - Distribución.

Introduction

During the preparatory tasks of the Catalogue of the Uruguayan lichen flora some interesting collections were found in the Herbarium of the Museo Nacional de Historia Natural, Montevideo, Uruguay (MVM) and in the author's private herbarium. They are new records to the known lichen flora of Uruguay or enlarge their distributional area in the country.

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List of species

Anisomeridium anislobum (MÜLL. ARG.) APTROOT

Maldonado: Sierra de las Ánimas, Pozo de las Orquídeas, 1964, on bark of *Scutia buxifolia*, OSORIO 4963 pr.p., det. APTROOT 1997.

Anisomeridium biforme (BORRER) R. C. HARRIS

San José: Estancia Voulminot, Picada del Ciego, 1973, on trunk of *Salix*, OSORIO 6878, det. R. HARRIS 1986.

The genus *Anisomeridium* is reported for Uruguay for the first time.

Calopadia puiggarii (MÜLL. ARG.) VEZDA

Durazno: Río Negro, Paso de las Piedras, 1974, on leaves of *Daphnopsis racemosa*, small ravine 5 km S from Paso de las Piedras, OSORIO 6987 pr.p., det. R. LÜCKING 1995. New to Uruguay.

Cladina confusa (R. SANT.) FOLLM. & AHTI fa. *confusa*

Maldonado: Small unnamed road between Route 39 and Route 109 near Sierra de las Cañas (34°32'S-54°49'W), among rocks, slope of a hill, locally very common, IZAGUIRRE, BEYHAUT & BONIFACINO s.n. (MVM 2465, Herb, OSORIO 9359) confirm. T. AHTI 1998.

Formerly this taxon was only known in Uruguay from the locality of Siete Cerros in Rocha Department (34°16'S-54°28'W) and distributed in Köfaragó-Gyelnik: Lichenotheca nr.148 (AHTI 1961:41, DES ABBAYES 1939:84, SANTESSON 1942:13). The new station is located 40 km W from the first one and both are the southernmost records of this taxon in South America (AHTI 1961:40, SANTESSON 1942:22).

Duplicates of this gathering will be distributed in A. VEZDA: Lichenes Rariores Exsiccati and in O. OBERMAYER: Dupla Graecensia Lichenum.

Diploschistes conceptionis VAINIO

Río Negro: Río Uruguay and Arroyo Amarillo, Estancia Mafalda, 1966, on soil, MARCHESI & BONIFACINO s.n. (MVM 2471, 2472, Herb. OSORIO 9360, 9361). Previously known from S and E Uruguay (OSORIO 1972:14, 1992:50).

This is the first record in Uruguay north of the Río Negro.

Lobaria discolor (BORY in DEL.) HUE

Rivera: Headwaters of Arroyo Laureles, 1995, on trunk of a tree, F. SCARABINO s.n. (MVM 2431, Herb. OSORIO 9246). Paso Ataques, 1998, on trunk of trees, BONIFACINO s.n. (MVM 2455, Herb. OSORIO 9357).

Already reported as *Lobaria pseudoglaberrima* from two localities in a restricted area in Tacuarembó and Rivera Departments (OSORIO: 1966:2, and 1995:444).

Pertusaria columnaris MALME

Maldonado: Punta Colorada, 1949, on rocks near the lighthouse. OSORIO 1877. Sierra de las Animas, 1950, on rocks, W slope, 100 m.s.m. OSORIO 2309.

Salto: Salto Grande, Parador Horacio Quiroga, 1972, on rocks in a meadow. OSORIO 6703.

Contains norstictic acid. All the collections were identified by A. W. ARCHER, 1998. New to Uruguay.

Pertusaria reducta STIRTON var. *hossei* RÄS.

Published by RÄSÄNEN in 1939:128 is an invalid name. Now according to J. R. LAUNDON (1970:305) *Pertusaria reducta* STIRTON is *Phlyctis argena* (SPRENGEL) FLOTOW. Therefore it is necessary a new combination: *Pertusaria hossei* (RÄS.) ARCHER et OSORIO comb. nov., basionym: *Pertusaria reducta* STIRTON var. *hossei* RÄS.

Contains lichexanthone, picrolichenic acid and hypothamnolic acid. Selected specimens:

Lavalleja: Abra Coronilla, 1967, on rocks, E faced slope, OSORIO 4946.

Maldonado: Cerro Pan de Azúcar, 1948, on rocks near the hill top, 300 m.s.m. OSORIO 1537. Sierra de las Animas, 1950, on rocks along the road to the summit, 200 m.s.m. OSORIO 2316.

Montevideo: Cerro de Montevideo, 1949, on rocks on the top, locally common, 150 m.s.m. OSORIO 1649.

Pertusaria subvaginata NYL.

Lavalleja: Sierra de Valencia, 1948, on rocks, O. W. PEREZ s.n. (Herb. OSORIO 1512).

Maldonado: Punta Colorada, 1949, on pebbles, OSORIO 1861.

Contains lichexanthone and lecanoric acid. Formerly known in Uruguay from the Departments of Rocha (RÄSÄNEN 1939:129) and Florida

(RÄSÄNEN 1942:15).

Tapellaria epiphylla (MÜLL. ARG) R. SANT. ap. THOROLD

Durazno: Río Negro, Paso de las Piedras, 1974, on leaves of *Daphnopsis racemosa*, small ravine 5 km S from Paso de las Piedras, OSORIO 6987 pr.p. det. R. LÜCKING 1995.

The genus *Tapellaria* is reported for Uruguay for the first time.

Results

The results obtained from the study of the a.m. collections can be summarized as follows:

- a) Two genera are reported for Uruguay for the first time: *Anisomeridium* and *Tapellaria*.
- b) *Calopadia puiggarii* and *Pertusaria columnaris* are new records for the country.
- c) A new combination is published: *Pertusaria hossei* (RÄS.) ARCHER et OSORIO.
- d) Additional localities are pointed out for the following taxa: *Cladina confusa* f. *confusa*, *Diploschistes conceptionis*, *Lobaria discolor* and *Pertusaria subvaginata*.

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