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CONTRIBUTION TO THE LICHEN FLORA OF
URUGUAY. XXVI.

Additions and corrections.

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ABSTRACT: "Contribution to the lichen flora of Uruguay. XXVI. Additions and corrections". As a result of revisions seventeen lichens are deleted from the Uruguayan flora because were misidentifications. *Diploschistes gyrophoricus*, *Heterodermia lepidota* and *Lecanora pseudistera* are reported for South America for the first time.

The genus *Lithothelium* is added to the known flora of Uruguay.

RESUMEN: "Contribución a la flora líquénica del Uruguay. XXVI. Adiciones y correcciones". Como consecuencia de revisiones diecisiete líquenes se eliminan de la flora de Uruguay debido a identificaciones erróneas. *Diploschistes gyrophoricus*, *Heterodermia lepidota* y *Lecanora pseudistera* se citan por primera vez para América del Sur. El género *Lithothelium* se incorpora a la flora del Uruguay.

During the last years some colleagues and the author revised lichens collections housed in the Museo Nacional de Historia Natural, Montevideo, Uruguay (MVM) and in the private herbarium of the author. As a result of these works several new records to the Uruguayan flora were found and many misidentifications (mostly already published) were renamed.

In each of the below-listed species we have pointed out the publication data (in case they exist), the revisory's name (with the exception of the revisions made by the author) and the correct name.

If nothing else is stated all the collections gathered by the author are housed in his private herbarium.

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Callophisma aurantiacum MASS.

MÜLLER ARG. 1888: 2, ARECHAVALETA 1894:182.

URUGUAY: no locality, ARECHAVALETA s.n. (MVM 15.139)

It is a typical *Caloplaca americana* (MALME) ZAHLBR.

Cladonia coniocraea (FLÖRK.) SPRENG. f. *expansa* (FLÖRK.) SANDST.

OSORIO 1966:2.

MALDONADO: Cerro Pan de Azúcar, OSORIO 4551. Renamed by T. AHTI as *Cladonia ceratophylla* (SW.) SPRENG.

Cladonia pyxidata (L.) HOFFM. var. *costata* FLÖRK.

MÜLLER ARG. 1888:1, ARECHAVALETA 1894:179.

URUGUAY: no locality, ARECHAVALETA s.n. (MVM 15.167).

It is *Cladonia subsquamosa* KREMP.

Diploschistes cinereocaesius (SW.) ZAHLBR. and *D. subscruposus* (NYL.) ZAHLBR.

Diploschistes subscruposus was reported for Uruguay by HERTER 1933 a:4, 1933 b:196, HERTER & ROSA MATO 1936:5. Subsequently HERTER 1943:183 deleted this species from Uruguay and instead of *D. subscruposus* quoted *D. cinereocaesius*. This last species was already mentioned by MÜLLER ARG. 1888:3, ARECHAVALETA 1894:183, RÄSÄNEN 1938:70, 1942:13 and FOLLMAN and HUNECK 1969:347. Some collections filed under the above mentioned names were revised by the author as follows:

Diploschistes subscruposus (NYL.) ZAHLBR.

MONTEVIDEO: Cerro de Montevideo, 1934, F. ROSA MATO 499, det. G. HERTER (MVM). CANELONES: La Floresta, 1947, HERTER 61.560 (MVM).

Urceolaria cinereocaesia ACH.

MONTEVIDEO: Cerro, 1927, HERTER 82.050 Plantae Uruguayenses Exsiccatae ed. G. HERTER no. 813.a. (B).

Urceolaria scruposa ACH. var. *cinereocaesia* (ACH.) MÜLL. ARG. URUGUAY: no locality, ARECHAVALETA 13 (MVM).

All these collections were redetermined as *Diploschistes conceptionis* VAINIO. Being *Diploschistes montevidensis* H. MAGN. a synonym of *D. conceptionis* this latter species, at the present

stage of our knowledge, is the only terricolous *Diploschistes* which occurs in Uruguay.

Diploschistes gyrophoricus ELIX et LUMBSCH

DURAZNO: El Cordobés, Estancia Las Pitangas, 1953, on rocks in a pasture, OSORIO 2846, det. H. TH. LUMBSCH. First record for South America.

Heterodermia lepidota SWINSC. et KROG

ROCHA: Sierra de San Miguel, Cerro de la Guardia Perdida, 1989, on perpendicular N exposed rocks, OSORIO 9163, confirm. H. KROG. First record for South America.

Lecanora campestris (SCHAER.) HUE

MAGNUSSON 1950:232.

FLORIDA: 25 de Agosto, 1945, on rocks, OSORIO 571 (UPS). Redetermined by H. TH. LUMBSCH as *Lecanora pseudistera* NYL. Additional collections examined (an exclamation mark indicates a specimen revised by H. TH. LUMBSCH):

DURAZNO: El Cordobés, Estancia Las Pitangas, 1953, on rocks in a grassland, OSORIO 2849!. FLORES: 3a. Sección, Arroyo Marinho, 1956, on rocks, swampy soil, OSORIO 3508!. FLORIDA: Estación 25 de Agosto, 1947, on rocks in a old quarry, OSORIO 1317. LAVALLEJA: Minas, Cerro Arequita, 1949, on rocks. *Phytolacca dioica* forest, OSORIO 2093. MALDONADO: Paso Real (cross of Hwy. 9 and Pan de Azúcar brook) 1950, rocks in a meadow, OSORIO 2364!; 1950, on rocks, *Eucalyptus* forest, OSORIO 2361. First record for South America.

Lithothelium paraguayense MÜLL. ARG.

CANELONES: Río Santa Lucía, Parador Tajés, Isla del Francés, 1950, on tree trunk, riverside of Río San José, OSORIO 2157, det. R. HARRIS. Genus recorded for Uruguay for the first time.

Parmelia kamtschadalis (ACH.) ESCHW.

MÜLLER ARG. 1888:2, ARECHAVALETA 1894:181, NAVAS 1908:396.

URUGUAY: no locality, ARECHAVALETA 14 (MVM). It matches well with *Concamerella pachyderma* (HUE) W. CULB. & CH. CULB.

Parmelia molliuscula ACH.

HERTER 1933 a:49, 1943:187.

MONTEVIDEO: Santiago Vázquez, 1927, HERTER 82.190 (MVM).
Redetermined as *Xanthoparmelia hypopsila* (MÜLL. ARG.) HALE

Parmeliella microphyloides (NYL.) ZAHLBR.

RÄSÄNEN 1942: 14.

CERRO LARGO: Sierra de los Ríos, 1937, HERTER 98.394 (MVM)
Redetermined as *Phyllopsora parvifolia* (PERS.) MÜLL. ARG. var.
parvifolia.

Physcia stellaris (L.) NYL. var. *rosulata* (ACH.) NYL.

MÜLLER ARG. 1888: 2, ARECHAVALETA 1894: 181, NAVÁS
1908:397. URUGUAY: no locality, ARECHAVALETA s.n. (MVM
15.188). It matches well with *Physcia alba* (FÉE) MÜLL. ARG.

Porina africana MÜLL. ARG. var. *basaltica* MALME

OSORIO 1971:375.

LAVALLEJA: Cerro Arequita, 1949, OSORIO 2069. Redetermined
by P. M. MCCARTHY (1993:78) as *Porina mastoidea* (ACH.)
MÜLL. ARG.

Porina rudiuscula (NYL.) MÜLL. ARG.

OSORIO 1971:375.

LAVALLEJA: Cerro Arequita, 1949, OSORIO 2089. Redetermined
by P. M. MCCARTHY (1993:54) as *Porina guaranitica* MALME.

Ramalina ecklonii (SPRENG.) MEY. et FLOT. var. *membranacea*
(LAUR.) MÜLL. ARG.

MÜLLER ARG. 1888:1, ARECHAVALETA 1894:179.
URUGUAY: no locality, ARECHAVALETA s.n. (MVM 15.130).
Redetermined by H. KASHIWADANI as *Ramalina celastri* (SPRENG.)
KROG & SWINSC.

Ramalina ecklonii (SPRENG.) MEY. et FLOT. var. *sublinearis* NYL.

MÜLLER ARG. 1888:1, ARECHAVALETA 1894:179.
URUGUAY: no locality, ARECHAVALETA 2 (MVM). Redetermined
by H. KASHIWADANI as *Ramalina laevigata* FR.

Ramalina lanceolata NYL.

MÜLLER ARG. 1888:1, ARECHAVALETA 1894:179, NAVAS 1908:
398.

URUGUAY: no locality, ARECHAVALETA 3 (MVM). Redeter-
mined as *Ramalina prolifera* TAYL., confirm. H. KASHIWADANI.

Usnea angulata ACH.

MÜLLER ARG. 1888:1, ARECHAVALETA 1894:179.

URUGUAY: no locality, ARECHAVALETA 4 (MVM). It matches well with *Usnea sulcata* MOT. var. *neutra* MOT.

Usnea furfurosula (ZAHLEBR.) MOT.

FLORES: 3a. Sección, Arroyo Marincho, 1956, on *Celtis tala*, OSORIO 3515, det. J. MOTYKA. New to Uruguay.

Usnea laevis NYL.

MÜLLER ARG. 1888:1, ARECHAVALETA 1894:179.

URUGUAY: no locality, ARECHAVALETA 7 (MVM). Redetermined as *Usnea amaliae* MOT.

Usnea transitoria MOT.

LAVALLEJA: Hwy. 9: km 209, Estancia Madeiros, 1956, on *Acacia farnesiana*, OSORIO 3686, det. J. MOTYKA. New to Uruguay.

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