

COMUNICACIONES BOTANICAS DEL MUSEO  
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CONTRIBUTION TO THE LICHEN FLORA OF URUGUAY.  
XXIX. LICHENS FROM RIVERA DEPARTMENT.

HÉCTOR S. OSORIO\*

**ABSTRACT:** *Contribution to the lichen flora of Uruguay. XXIX. Lichens from Rivera Department.* - Forty-six lichens gathered in the Department of Rivera, Uruguay, are listed. *Coccocarpia palmicola*, *Phyllopsora confusa* and *Punctelia semansiana* are added to the known flora of Uruguay.

**RESUMEN:** *Contribución a la flora líquénica del Uruguay. XXIX. Líquenes del Departamento de Rivera.* - Se enumeran cuarenta y seis líquenes colectados en el Departamento de Rivera, Uruguay. *Coccocarpia palmicola*, *Phyllopsora confusa* y *Punctelia semansiana* se citan por primera vez para el Uruguay.

**Key words:** Uruguay - Lichens - Taxonomy - Distribution.

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### Introduction

During April 1995 the author received for identification some lichens gathered by the Uruguayan malacologist Prof. OSMAR SANTOS in the vicinity of Rivera City, Uruguay. This small collection with very interesting species encouraged the author to make a two days' field trip to several localities in the vicinity of the above mentioned city.

The collection sites visited are below listed indicating their location taking as reference the city of Rivera (30°54' S - 55°31' W):

CP: Camino a Portones Negros, is the road which crosses the hill range named Sierra de Cuchilla Negra, 10 km W from Rivera City. A reduced number of species were gathered on trees along the road.

PGB: Parque Gran Bretaña. It is a large recreative area located 9 km NW

\* Museo Nacional de Historia Natural, Casilla de Correo 399, 11.000 Montevideo, Uruguay.

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from Rivera City. At present a significant part of this Park supports a strong anthropopressure. However a small ravine crossed by a unnamed tributary of the Cuñapirú Brook proved to be more or less undisturbed. Here several native trees and shrubs support a very interesting lichen flora.

SD: Subida de la Diligencia. It is a road which climbs the slope of the hill range named Cuchilla Cuñapirú, 10 km SW from Rivera City. Collections were made in the secondary low forest along the road and on several sandstone outcrops.

VS: Villa Sara. A small urbanized locality in the suburbs of Rivera, 7 km SW from the City. The lichens were gathered on trees along a road.

The numbers belong to the author's numbering system and are deposited in his private herbarium. The OSMAR SANTOS collection is housed in the Herbarium of the Museo Nacional de Historia Natural, Montevideo, Uruguay (MVM).

**Acknowledgements:** The author gratefully acknowledges the enthusiastic assistance of the malacologists Prof. OSMAR SANTOS (Rivera) and Lic. MIGUEL A. KLAPPENBACH (Montevideo) during the field works. The former of them also provided valuable information about the collection sites visited.

### List of species

*Bacidia millegrana* (TAYLOR) ZAHLBR.

PGB: on trunk of a tree in a small ravine (9272).

*Brigantiaea leucoxantha* (SPRENGEL) R. SANT. & HAF.

PGB: on bark of a tree in a small ravine. (9282).

*Caloplaca cinnabarina* (ACH.) ZAHLBR.

SD: on sandstone along the road (9303).

*Cladonia ahtii* STENROOS

SD: on *Eucalyptus robusta* along the road (9302).

The present finding enlarges considerably the distribution of this taxon in Uruguay. Formerly known only from the SE of the country (STENROOS 1989:253).

*Cladonia subsquamosa* KREMPELH.

PGB: on a rotten trunk (9257).

VS: on root of *Melia azedarach* along the road (9286).

*Coccocarpia erythroxyli* (SPRENGEL) KROG & SWINSCOW

PGB: on trunk of a tree, O. SANTOS 16.XII.1994 (MVM).

*Coccocarpia palmicola* (SPRENGEL) L. ARVIDSSON & D. GALL.

PGB: on mossy trunk (9253), on rocks, shady place (9252).

New to Uruguay. The southernmost station formerly known in South

- America was located in the Municipality of Guaiba, Rio Grande do Sul State, Brazil. (OSORIO ET AL. 1982:480).
- Dictyonema glabratum* (SPRENGEL) D. HAWKS.  
SD: on soil, rocky slope (9301).
- Diploschistes bisporus* (BAGL.) STEINER  
SD: on sandstone along the road (9304).
- Glyphis cicatricosa* (ACH.) VAINIO f. *confluens* (ZENK.) ZAHLBR.  
SD: on shrubs along the road (9300 pr.p.)
- Haematomma montevidense* (RÄSÄMEN) FOLLM. & RUD.  
SD: on sandstone along the road (9308).
- Heterodermia diademata* (TAYLOR) AWASTHI  
VS: on *Melia azedarach* along the road to Portones Negros (9289).
- Heterodermia lutescens* (KUROK.) FOLLM.  
PGB: on trunk of a tree in a small ravine (9251, 9255).
- Heterodermia obscurata* (NYL.) TREVISAN  
CP: on trunk of Myrtaceae (9309).
- Lecanora fusca* MÜLL. ARG.  
SD: on sandstone along the road, (9305).
- Leptogium austroamericanum* (MALME) DODGE  
PGB: on trunk of a tree in a small ravine (9275).  
VS: on *Salix* along the road to Portones Negros (9287).
- Leptogium azureum* (ACH.) MONT.  
PGB: on *Salix* in a small ravine (9268).
- Leptogium tuckermani* DODGE  
SD: on trunk of a tree along the road (9294).
- Letrouitia domingensis* (PERS.) HAF. & BELLEM.  
PGB: on trunk of a tree in a small ravine (9213)  
At the present time this species is only known from a very limited area in the NE of the country (HAFELLNER 1981:685).
- Lobaria conformis* VAINIO  
CP: on trunk of Myrtaceae (9310).  
PGB: on *Scutia buxifolia* (9270, 9277), on trunk of a tree, O.SANTOS 16.XII.1994 (MVM).  
SD: on trunk of a tree, shady place (9293).
- Mycomicrothelia thelena* (ACH.) D. HAWKS.  
SD: on shrubs along the road (9300 pr.p.).
- Parmelina pilosa* (STIZENB.) HALE  
PGB: on trunk of a tree (9262).
- Parmotrema tinctorum* (NYL.) HALE  
PGB: on trunk of a tree in a small ravine (9267, 9274), on trunk of a tree, O. SANTOS 16.XII.1994 (MVM).  
SD: on *Melia azedarach* along the road (9295).
- Peltigera austroamericana* ZAHLBR.  
PGB: on mossy trunk, O. SANTOS 16.III.1994 (MVM).

- Pertusaria colorans* MALME var. *sanguinea* (RÄSÄNEN) MAGNUSSON  
SD: on sandstone along the road (9307).
- Pertusaria superans* MÜLL. ARG.  
PGB: on *Scutia buxifolia* (9271).
- Phlyctis pulveracea* M. LAMB  
PGB: on bark of a tree in a small ravine (9261).
- Phyllopsora confusa* SWINSCOW & KROG  
PGB: on mossy trunks in a small ravine (9278). New to Uruguay.
- Pseudocypbellaria aurata* (ACH.) VAINIO  
PGB: on trunk of a tree (9265), on trunk of *Scutia buxifolia* (9269).
- Pseudoparmelia carneopruiata* (ZAHLEBR.) HALE,  
VS: on *Melia azedarach* along the road to Portones Negros (9290).
- Punctelia semansiana* (W. CULB. & CH. CULB.) KROG  
VS: on *Salix* along the road to Portones Negros (9291). New to Uruguay.
- Pyrrhospora russula* (ACH.) HAF.  
SD: on sandstone along the road (9306).  
VS: on *Melia azedarach* along the road to Portones Negros (9288).
- Pyxine cocoes* (SWARTZ) NYL.  
VS: on bark, O. SANTOS III. 1995 (MVM).
- Pyxine petricola* NYL. in CROMBIE var. *convexula* (MALME) KALB  
PGB: on trunk of a tree in a small ravine (9264).
- Ramalina celastri* (SPRENGEL) KROG & SWINSCOW  
PGB: on shrubs (9273).  
SD: on shrubs along the road (9298).  
VS: on shrubs along the road to Portones Negros (9284).
- Ramalina laevigata* FR.  
PGB: on rocks, S faced slope. Only specimens seen (9281).
- Ramalina peruviana* ACH.  
PGB: on shrubs in a small ravine (9263).
- Rimelia cetrata* (ACH.) HALE & FLETCHER  
VS: on *Salix* along the road (9292).
- Rimeliella recipienda* (NYL.) KUROK.  
SD: on shrubs along the road (9299).
- Rimeliella subsumpta* (NYL.) KUROK.  
PGB: on trunk of a tree (9266).
- Strigula nemathora* MONT.  
PGB: on leaves of *Daphnopsis racemosa* (9256 pr.p.).
- Strigula smaragdula* FR.  
PGB: on leaves of *Daphnopsis racemosa* (9256 pr.p.).
- Teloschistes exilis* (MICHAUX) VAINIO  
SD: on shrubs along the road (9297).  
VD: on shrubs along the road to Portones Negros (9285).
- Usnea densirostra* TAYLOR

PGB: on rocks, S faced slope. Only specimens seen (9280).

*Usnea dichroa* MOTYKA var. *spinulosa* MOTYKA

PGB: on trunk of a tree in a small ravine (9254), on shrubs in a small ravine (9259).

*Usnea sulcata* MOTYKA var. *sulcata*

PGB: on shrubs in a small ravine (9258).

## Results

The precedent list includes 46 taxa collected in 4 localities in the close proximity to Rivera City, Capital of the Department of the same name. In the Catalogues of the lichen flora from Uruguay (OSORIO 1972 & 1992) 27 species are recorded from Rivera Department. *Dictyonema glabratum*, *Heterodermia diademata*, *Letrouitia domingensis*, *Peltigera austroamericana* and *Pseudocyphellaria aurata* are the only species of the present list which have been previously reported from this Department.

*Coccocarpia palmicola*, *Phyllopsora confusa* and *Punctelia semansiana* are added to the known flora from Uruguay. The two first species above mentioned are also the southernmost stations known in South America.

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