

COMUNICACIONES BOTANICAS DEL MUSEO  
DE HISTORIA NATURAL DE MONTEVIDEO

Número 93

1990

Volumen V

CONTRIBUTION TO THE LICHEN FLORA OF  
ARGENTINA. XVIII.

Lichens from Northwest Argentina.

HÉCTOR S. OSORIO \*

ABSTRACT: "*Contribution to the lichen flora of Argentina. XVIII. Lichens from Northwest Argentina.*" Nineteen lichens collected in northwestern Argentina are listed. Five species are deleted from Tucuman flora and three other are added for this Province for the first time.

RESUMEN: "*Contribución a la flora líquénica de Argentina. XVIII. Líquenes del Noroeste de Argentina.*" Se enumeran diecinueve líquenes colectados en el Noroeste de Argentina. Cinco especies se eliminan de la flora de Tucumán en tanto que otras tres se citan por primera vez para dicha Provincia.

The present paper is based on the study of lichens gathered in three Provinces of northwestern Argentina: Tucumán, Salta and Jujuy.

A large number of the species here reported were donated by the Ing. Agr. R. PRADERI to the Herbarium of the Museo Nacional de Historia Natural, Montevideo, Uruguay (MVM). The author expresses his gratitude for this valuable contribution. The remaining collections are deposited in the author's private herbarium (Herb. O.).

---

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

The present knowledge of the lichen flora of these Provinces which stretches over an area of 230.000 square kms is very scanty: GRASSI in his Catalogue (1950.a.) listed 123 species from these Provinces. Most of these records belong to the last century or the beginning of the present one and are in need of revision.

Tucumán is the only Province that possesses some floristic studies issued before the GRASSI's Catalogue (GRASSI 1950.b. and 1953). On the other hand the knowledge of the floras from Salta and Jujuy is very fragmentary and scattered in numerous publications.

*Cetrariastrum cirrhatum* (FR.) W. CULB. & CH. CULB.

TUCUMAN: Tafi, Quebrada de la Angostura. 1945, DIGILIO GRASSI 182 (Herb. O.) (filed as *Parmelia americana*); Chicligasta, Esta. Las Pavas, Pto. El Saladillo, 1700 m, epiphytic. 1924, VENTURI 2956 (Herb. O.) (filed as *Parmelia limaeformis*).

*Heterodermia comosa* (ESCHW.) FÖLLM. & REDÓN

SALTA: Gral. J. San Martín, Hwy. 81: 15 km W from Hickman, Pozo del Milagro, on trees. SCHININI et al. 9.XII.1972 (MVM).

*Heterodermia diademata* (TAYL.) AWASTHI

SALTA: Gral. J. San Martín, Hwy. 81: 15 km W from Hickman, Pozo del Milagro, on trees. SCHININI et al. 9.XII.1972 (MVM).

*Heterodermia leucomela* (L.) POELT

TUCUMAN: Quebrada de Sosa, 1500 m, on trees. PRADERI 16.X.1985 (MVM).

*Leptogium austroamericanum* (MALME) DODGE

SALTA: Orán, Río Pescado, 350 m, on bark. 1946, DIGILIO GRASSI 372 (Herb. O.).

*Leptogium phyllocarpum* (PERS.) MONT. var. *campestre* MALME

SALTA: Orán, Río Pescado, Pintas Cayo, 400 m, on bark. 1946, DIGILIO GRASSI 447 (Herb. O.).

*Parmotrema austrosinense* (ZAHLEBR.) HALE

TUCUMAN: Caspichango. BORSINI 8.VIII.1937 (Herb. O.).

*Parmotrema eciliatum* (NYL.) HALE

SALTA: Anta, Parque Nacional El Rey, Picada Pozo Verde, 1800 m, on trees in the forest. PRADERI 20.X.1985 (MVM).

*Pseudocyphellaria aurata* (ACH.) VAIN.

TUCUMAN: Cerro San Javier, 1600 m, on trunks in the forest. PRADERI 16.X.1985 (MVM).

*Pseudocyphellaria clathrata* (DE NOT.) MALME

SALTA: Hwy. 9, Cerro Churquisalo, 1800 m, on trunks in Myrtaceae forest. PRADERI 17.X.1985 (MVM).  
TUCUMAN: Cerro San Javier, 1600 m, on trunks in the forest. PRADERI 16.X.1985 (MVM); Quebrada de Sosa, 1500 m, on trunks in the forest. PRADERI 16.X.1985 (MVM).

*Ramalina celastri* (SPRENG.) KROG & SWINSC.

SALTA: Anta, Parque Nacional El Rey, Picada Pozo Verde, 1800 m, on trunks in the forest. PRADERI 20.X.1985 (MVM); Gral. J. San Martín, Hwy. 81: 15 km W from Hickman, Pozo del Milagro. SCHININI et al. 9.XII.1972 (MVM).

*Rimelia cetrata* (ACH.) HALE & FLETCHER

JUJUY: Volcán-Mula Muerta, 3000 m, on bark. CASTILLÓN 15.I.1927, det. M. HALE (Herb. O.).  
SALTA: Hwy. 9, Cerro Churquisalo, 1800 m, on trunks in Myrtaceae forest. PRADERI 17.X.1985 (MVM); Anta, Parque Nacional El Rey, Picada Pozo Verde, 1800 m, on trees in the forest. PRADERI 20.X.1985 (MVM).  
TUCUMAN: Tafi del Valle, Río Blanco, 2000 m, between rocks. SCHREITER 25.III.1922 (Herb. O.) (filed as *Parmelia limaeformis*).

*Sticta beauvoisii* DELISE

TUCUMAN: Quebrada de Sosa, 1500 m, on trunks in the forest. PRADERI 16.X.1985. In order to distinguish *Sticta beauvoisii* from *Sticta weigelia* we have followed to R. HARRIS (1984).

*Teloschistes chrysophthalmus* (L.) TH. FR.

TUCUMAN: Tafí, Tafí del Valle, Infiernillo, 2950 m, on branches. KRAPOVICKAS et al. 18.III.1972 (MVM); Tafí, road Infiernillo-Amaicha, 2770 m, on branches. KRAPOVICKAS & CRISTOBAL 30. XII.1971 (MVM).

*Teloschistes exilis* (MICHX.) VAIN.

SALTA: Anta, Parque Nacional El Rey, Picada Pozo Verde, 1800 m, on trunks in the forest. PRADERI 20. X. 1985 (MVM).

TUCUMAN: Sierra de Aconquija, El Mollar, 1900 m. on *Trichocereus*. PRADERI 16. X. 1985 (MVM); Leales, Chañar Pozo, 300 m. VENTURI VIII. 1919 (Herb. O.) (filed as *Teloschistes villosus*).

*Teloschistes flavicans* (SW.) NØRM.

SALTA: Orán, Río Pescado, Pintas-Cayo, 400 m. 1946, DIGILIO GRASSI 460 (Herb. O.).

*Usnea sulcata* MOT.

SALTA: Gral. J. San Martín, Hwy. 81: 15 km W from Hickman, Pozo del Milagro, SCHININI et al. 9. XII. 1972 (MVM); Gral. J. San Martín, Hwy. 81: 30 km E from Río Seco. SCHININI et al. 7. XII. 1972 (MVM); Urundel. 1948, HÄSSEL 278 (Herb. O.) (filed as *Usnea alata*); Orán, Hickman. PIEROTTI 16. XII. 1945 (Herb. O.) (filed as *Usnea alata*).

TUCUMAN: Marcos Paz, 400 m, on fence posts. 1947, M. E. LAMB 5061 (LIL.) (filed as *Usnea alata*); Acheral, 400 m, on fence posts. 1947, I. M. LAMB 5037 (LIL.) (filed as *Usnea alata*), Cruz Alta, Quebrada de Tafí Viejo, 600 m, on wooden fence post. SCHREITER 8. VII. 1923 (Herb. O.); Trancas, Vipos, 850 m epiphytic. VENTURI 7. III. 1925 (Herb. O.) (filed as *Usnea lacerata*).

*Usnea sulcata* MOT. var. *neutra* MOT.

JUJUY: Capital. 1948, HÄSSEL 277 (Herb. O.).

TUCUMAN: Leales, Chañar Pozo, alt. 300 m, on "talas" (*Celtis* sp.). VENTURI VIII. 1919 (Herb. O.) (filed as *Usnea lacerata*).

*Xanthoparmelia taractica* (KREMPH.) HALE

TUCUMAN: Sierra de Aconquija, El Mollar, 1900 m, on soil. PRADERI 16. X. 1985 (MVM).

## RESULTS

According with the literature at our disposal and the above listed collections the following species should be deleted from Tucumán flora because they are based in misidentifications: *Parmelia americana*, *P. limaeformis*, *Teloschistes villosus*, *Usnea alata*, *U. lacerata*. On the other hand the following taxa are reported for Tucumán for the first time: *Parmotrema austrosinense*, *Pseudocyphellaria clathrata*, *Sticta beauvoisii*.

The present status of the knowledge of the lichen floras from Salta and Jujuy turns it impossible for us to make any comments on the species quoted for both Provinces in this paper.

## LITERATURE CITED

- GRASSI, M. M. 1950a. Contribución al catálogo de líquenes argentinos. I. - Lilloa, 24: 5-296. Tucumán.
- GRASSI, M. M. 1950b. Los líquenes foliosos y fruticulosos de Tucumán. - Lilloa, 24: 297-395, 14 fig., 13 lams. Tucumán.
- GRASSI, M. M. 1953. Teloschistaceae de Tucumán. - Lilloa, 26: 439-452, 5 fig. Tucumán.
- HARRIS, R. C. 1984. *Sticta*, an "easy" genus becomes more difficult. - Evansia, 1(1): 7-8, 2 fig. New York.