

COMUNICACIONES BOTANICAS DEL MUSEO DE HISTORIA NATURAL DE MONTEVIDEO

Número 88

1989

Volumen V

CONTRIBUTION TO THE LICHEN FLORA OF BRAZIL. XXII.

Lichens from Canela, Rio Grande do Sul State. *

HÉCTOR S. OSORIO ** and MARIANA FLEIG ***

ABSTRACT: "Contribution to the lichen flora of Brazil. XXII. Lichens from Canela, Rio Grande do Sul State". Nineteen lichens collected in the Municipality of Canela, Rio Grande do Sul State, Brazil, are listed. *Usnea rubicunda* is added to the known flora of Rio Grande do Sul Highlands.

RESUMEN: "Contribución a la flora líquénica del Brasil. XXII. Líquenes de Canela, Estado de Rio Grande do Sul". Se enumeran diecinueve líquenes colectados en la Municipalidad de Canela, Estado de Rio Grande do Sul, Brasil. *Usnea rubicunda* se cita por primera vez para el Planalto Riograndense.

This paper is another contribution to the long-term planned study of the lichen flora of the Highlands of Rio Grande do Sul State (Planalto Riograndense), Brazil. During April 1988 the authors visited the Municipality of Canela and "Parque do Sesi" was chosen as collection site. This is a large *Araucaria angustifolia* forest located 1 km eastwards from Canela City (29°20'S-50°53'W, alt. ca. 800 m) and crossed by many roads recently built.

* Field work was supported by grant 870.513.8 ROSTLAC/UNESCO.

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

*** Departamento de Botánica, Instituto de Biociencias, Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brasil.

A remarkable car traffic was noted during our visit and therefore a relentless damage to the lichen flora is to be expected in a near future.

Two identical series were made with the lichens gathered and deposited in the Herbarium of the Departamento de Botánica, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil and in the private herbarium of the senior author.

Thanks are due to ROSTLAC/UNESCO, Montevideo, Uruguay, for the financial assistance of the field work.

Brigantiaea leucoxantha (SPRENG.) R. SANT. & HAF. On trunk of *Araucaria angustifolia*, (88/15).

Caloplaca granularis (MÜLL. ARG.) C. SAMBO On trunk of *Araucaria angustifolia*, (88/14).

Cryptothelium octosporum (VAIN.) ZAHLBR. On "canela" tree along a road in *Araucaria angustifolia* forest, (88/18, 88/20).

Chiodecton sanguineum (SW.) VAIN. On stump of *Dicksonia sellowiana*, inner part of the *Araucaria angustifolia* forest. (88/35).

Dictyonema glabratum (SPRENG.) D. HAWKSW. On soil along a road, (88/27).

Heterodermia leucomela (L.) POELT On trunk of a broad-leaved tree, (88/29).

Hypotrachyna imbricatula (ZAHLBR.) HALE On stump of *Dicksonia sellowiana*, inner part of the *Araucaria angustifolia* forest, (88/34).

Lobaria conformis VAIN. On "canela" tree, (88/26).

Lobaria patinifera (TAYL.) HUE On trunk of a broad-leaved tree, (88/43.a).

Lobaria pseudoglaberrima ZAHLBR. On "canela" tree, (88/25), on root of a broad-leaved tree, (88/28).

Lobaria pseudolivacea ZAHLBR. On trunk of a broad-leaved tree, (88/43.b.).

- Megalospora sulphurata* MEYEN var. *sulphurata*. On *Podocarpus* along a road, (88/17 pr.p.), on "canela" tree, (88/22).
- Megalospora tuberculosa* (FÉE) SIPMAN On *Fodocarpus* along a road, (88/17 pr.p.).
- Pertusaria superans* MÜLL. ARG. On trunk of *Araucaria angustifolia*, (88/13).
- Pseudocyphellaria aurata* (ACH.) VAIN. On "canela" tree along a road, (88/21, 88/45), on trunk of a tree along a road, (88/41).
- Sticta variabilis* (BORY) ACH. On trunk of a broad-leaved tree, (88/31).
- Teloschistes exilis* (MICHX.) VAIN. On trunk of a tree along a road, (88/44).
- Telochistes flavicans* (SW.) NORM. On shrubs along a road, (88/36).
- Usnea rubicunda* STIRT. On trunk of *Araucaria angustifolia*, (88/38).

RESULTS AND CONCLUSIONS

The Municipality of Canela was unknown from the licheno-logical point of view. Only one species: *Stereocaulon ramulosum* could be found in the literature at our disposal (OSORIO & ARBELO MARTINS 1980:230).

A very important number of the species listed in this paper have been already reported from Rio Grande do Sul Highlands in former contributions of the authors dealing with this project.

Usnea rubicunda in the only new record for the Highlands flora. It was known in Rio Grande do Sul State from a gathering in Central Lowlands (OSORIO, BAGINSKI & PINHEIRO 1983:196).

LITERATURE CITED

- OSORIO, H. S. & C. S. ARBELO MARTINS. — 1980. Contribution to the lichen flora of Brazil. V. Three interesting records from Rio Grande do Sul.— *Phytologia*, 46(4): 229-230. Plainfield.
- OSORIO, H. S., L. C. BAGINSKI & L. P. PINHEIRO. — 1983. Contribution to the lichen flora of Brazil. XII. Lichens from Sao Jeronimo.— *Phytologia*, 53(3): 194-196. Plainfield.