

CATALOGUE OF BLANCHARD'S CHILEAN PSYLLIDS
(HOMOPTERA: PSYLOIDEA) IN THE MUSÉUM NATIONAL D'HISTOIRE
NATURELLE, PARIS

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ABSTRACT

A list of material in Blanchard's collection of neotropical Psylloidea (Homoptera) is given. Information on the type-status of the specimens and data from the original labels are included.

RESUMEN

Se entrega una lista del material de Psylloidea de Chile estudiado por Blanchard en la obra de Gay: Historia Física y política de Chile. Se incluye información de las etiquetas originales de dicho material y se designa el material Tipo. Para cada caso se agrega además, la denominación científica aceptada en la actualidad.

INTRODUCTION

The earliest record of psyllids from the neotropical region is that of Blanchard (1852) who described 18 species from Chile assigned to 4 genera. Little subsequent reference was made to Blanchard's paper (Crawford, 1925; Hodkinson & White, 1981) until his collection was revised during a study on the temperate and subantarctic neotropical psyllids (Burckhardt, 1987a, b, c). The identity and taxonomy of Blanchard's species are discussed in these papers. This catalogue supplements the above papers, which only included information of taxonomic relevance.

MATERIAL AND METHODS

The material was originally mounted dry on cellulose boards, stored in an insect box together with some neotropical typhlocybrids and a few palearctic psyllids. For examination the whole material was mounted on slides using Euparal as mounting medium.

In its original display, the material was arranged in three vertical columns, the left one containing 13 horizontal rows, the centre

one 11 rows and the left one 9 rows. Each row, representing the type series of one species, contained one to several pins each with one celluloid board. Every pin bore a green label with the number 15/43, signifying "South America" (D. Matilde-Ferrero, pers. comm.). One or more labels with the name of the species and the localities were usually found in each row. The information applied to all specimens within that row. Four specimens, 2 of which are psyllids, were found on the ground of the box in V. 1978 (D. Matilde-Ferrero, pers. comm.). The other missing specimens must have been lost in the middle of the last century when the collection came to Paris. Since then the material has probably not been rearranged.

LIST OF SPECIMENS

The following list gives the content of the collection according to the original display and assigns the detached specimens to pins without specimens. The position of the columns is given as left, centre or right, and the pins within the rows of each column are numbered from left to right beginning with 1. For reference the respective D. Burckhardt slide number is included (e.g. P1406) and information on attached labels is given under L1, L2, etc., depending the number of labels on a pin. Type-status is indicated and the correct identifi-

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cation and sex according to Burckhardt (1987a, b, c) are given under D.

Left 3: unidentified Typhlocyidae and Psylloidea.

3: P1429; D: *Trioza longipennis* (Blanchard) ♀.

Left 5: type series of *Psylla luteipennis* Blanchard.

1: P1401; L1: Valdivia; L2: *Psylla luteipennis* B1.; lectotype of *Psylla luteipennis*; D: *Notophorina areolata* (Blanchard) ♀.

Left 6: type series of *Psylla areolata* Blanchard.

1: P1402; paralectotype of *P. areolata*; D: *Notophorina areolata* (Blanchard) ♂.

2: P1403; L1: *Psylla areolatus*; lectotype of *P. areolata*; D: *Notophorina areolata* (Blanchard) ♀.

Left 7: type series of *Psylla stigmatalis* Blanchard.

1: P1404; L1: *Psylla stigmatalis*; lectotype of *P. stigmatalis*; D: *Notophorina stigmatalis* (Blanchard) ♀.

2: P1405; L1: Calbuco; paralectotype of *P. stigmatalis*; D: *Notophorina stigmatalis* (Blanchard) ♀.

3: P1406; paralectotype of *P. stigmatalis*; D: *Notophorina stigmatalis* (Blanchard) ♀.

4: no specimen.

Left 8: type series of *Delina perelegans* Blanchard.

1: P1407; paralectotype of *D. perelegans*; D: *Connectopelma perelegans* (Blanchard) ♂.

2: P1408; L1: *Delina perelegans* B1.; paralectotype of *D. perelegans*; D: *Connectopelma perelegans* (Blanchard) ♂.

3: P1409; lectotype of *D. perelegans*; D: *Connectopelma perelegans* (Blanchard) ♂.

4: P1410. L1. Valdivia; paralectotype of *D. perelegans*; D: *Connectopelma perelegans* (Blanchard) ♀.

Left 9: type series of *Delina tingidoides* Blanchard.

1: P1411; paralectotype of *D. tingidoides*; D: *Connectopelma perelegans* (Blanchard) ♀.

2: P1412; paralectotype of *D. tingidoides*; D: *Connectopelma perelegans* (Blanchard) ♂.

3: P1413; L1: *Delina tingidoides* B1.; lectotype of *D. tingidoides*; D: *Connectopelma tingidoides* (Blanchard) ♂.

4: P1414; paralectotype of *D. tingidoides*; D: *Connectopelma tingidoides* (Blanchard) ♀.

Left 10: type series of *Delina tingidoides* Blanchard.

1: P1415; paralectotype of *D. tingidoides*; D: *Connectopelma tingidoides* (Blanchard) ♀.

2: no specimen.

3: P1416; paralectotype of *D. tingidoides*; D: *Connectopelma perelegans* (Blanchard) ♀.

Left 11: type series of *Delina modesta* Blanchard.

1: P1417; L1: *Delina modesta* B1.; lectotype of *D. modesta*; D: *Connectopelma perelegans* (Blanchard) ♀.

Left 12: type series of *Delina liturata* Blanchard.

1: P1418; paralectotype of *D. liturata*; D: *Connectopelma liturata* (Blanchard) ♀.

2: P1419; lectotype of *D. liturata*; D: *Connectopelma liturata* (Blanchard) ♂.

3: P1420; L1: *Delina liturata* B1.; paralectotype of *D. liturata*; D: *Connectopelma liturata* (Blanchard) ♀.

4: no specimen.

Left 13: type series of *Delina fulvescens* Blanchard.

1: P1421; L1: *Delina fulvescens*; paralectotype of *D. fulvescens*; D: *Panisopelma fulvescens* (Blanchard) ♀.

2: P1422; L1: Cordilleras d'Elqui; lectotype of *D. fulvescens*; D: *Panisopelma fulvescens* (Blanchard) ♀.

Centre 1: type series of *Psylla signatipennis* Blanchard.

1: P1423; L1: *Psylla signatipennis* B1.; lectotype of *P. signatipennis*; D: *Notophorina pallidula* (Blanchard) ♂.

2: P1424; paralectotype of *P. signatipennis*; D: *Notophorina stigmatalis* (Blanchard), specimen without abdomen.

Centre 2: type series of *Calinda pallidula* Blanchard.

1: P1425; L1: *Psylla pallidula* Bl.; lectotype of *C. pallidula*; D: *Notophorina pallidula* (Blanchard) ♀.

Centre 3: type series of *Calinda melonis* Blanchard.

- 1: P1426; L1: melon; L2: *Psylla melonis*; lectotype of *C. melonis*; D: *Notophorina pallidula* (Blanchard) ♀.
- 2: P1427; paralectotype of *C. melonis*; D: *Trioza* sp. ♀.
- 3: P1428; paralectotype of *C. melonis*; D: *Notophorina pallidula* (Blanchard) ♀.
- 4: no specimen, perhaps P1441 belongs here.

Centre 4: type series of *Calinda testacea* Blanchard.

- 1: P1430; L1: *Calinda testacea* B1.; paralectotype of *C. testacea*; D: *Notophorina* ?*atra* Burckhardt, one fore— and one hindwing.
- 2: P1431; paralectotype of *C. testacea*; D: *Trioza* sp. ♀.
- 3: P1432; lectotype of *C. testacea*; D: *Trioza testacea* (Blanchard) ♂.
- 4: L1: San Carlos; no specimen.

Centre 5: type series of *Calinda longipennis* Blanchard.

- 1: P1433; L1: *Calinda longipennis* B1.; lectotype of *C. longipennis*; D: *Trioza longipennis* (Blanchard) ♂.
- 2: no specimen.

Centre 6: type series of *Calinda miltosoma* Blanchard.

- 1: P1434; L1: Vald.; L2: *Calinda miltosoma* B1.; lectotype of *C. miltosoma*; D: *Trioza miltosoma* (Blanchard) ♂.
- 2: P1435; L1: *Calinda miltosoma* B1.; paralectotype of *C. miltosoma*; D: *Trioza miltosoma* (Blanchard) ♂.
- 3: L1: Chesque; no specimen, perhaps P1442 belongs here.
- 4: P1436; paralectotype of *C. miltosoma*; D: *Notophorina stigmatalis* (Blanchard) ♀.

Centre 7: type series of *Calinda nigromaculata* Blanchard.

- 1: P1437; L1: Valdivia; L2: *Calinda nigromaculata* B1.; lectotype of *C. nigromaculata*; D: *Trioza testacea* (Blanchard) ♀.

Centre 8: type series of *Calinda lineata* Blanchard.

- 1: L1: Arquero; L2: *Calinda lineata* B1.; no specimen.

Centre 9: type series of *Calinda rubra* Blanchard.

- 1: P1438; L1: *Calinda rubra* B1.; lectotype of *C. rubra*; D: *Calophya rubra* (Blanchard) ♀.

Centre 10: type series of *Sphinia crocea* Blanchard.

- 1: P1439; L1: *Sphinia crocea* B1.; lectotype of *S. crocea*; D: *Sphinia crocea* Blanchard ♀.
- 2: P1440; L1: Chesque; paralectotype of *S. crocea*; paratype of *Notophorina falcata* Burckhardt; D: *Notophorina falcata* Burckhardt ♂.

Specimens found detached in the box.

- 1: P1441; possibly paralectotype of *Psylla melonis* Blanchard; paratype of *Notophorina atra* Burckhardt; D: *Notophorina atra* Burckhardt ♂.
- 2: P1442; possibly paralectotype of *Calinda miltosoma* Blanchard; D: *Trioza miltosoma* (Blanchard) ♂.

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