

## *Plants of George Reuter rediscovered in the Real Colegio Alfonso XII of San Lorenzo de El Escorial (Madrid, Spain)*

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### **Resumen**

CARRASCO, M. A., BELLET, M., GARNICA, A. & PEREA, D. 2001. Plantas de George Reuter encontradas en el Real Colegio Alfonso XII de San Lorenzo de El Escorial (Madrid, España). *Bot. Complutensis* 25: 339-344.

En este trabajo presentamos una pequeña colección de 22 pliegos de plantas vasculares recolectadas por George Reuter en España en el año 1841. Estos materiales se han encontrado entre los del herbario del Real Colegio Alfonso XII de San Lorenzo del Escorial (Madrid). Además de su interés histórico, esta colección tiene la importancia añadida de ser parte de los materiales originales utilizados por Boissier o por Reuter para la descripción de nuevos taxones, o haber servido de referencia para el establecimiento de la corología de las especies en la clásica obra de Willkomm & Lange (1861-1880) «*Prodromus Florae Hispanicae*».

**Palabras clave:** Herbarios históricos, Materiales Tipo, Boissier, Reuter.

### **Abstract**

CARRASCO, M. A., BELLET, M., GARNICA, A. & PEREA, D. 2001. Plants of George Reuter rediscovered in the Real Colegio Alfonso XII of San Lorenzo de El Escorial (Madrid, España). *Bot. Complutensis* 25: 339-344.

In this paper we describe twenty two sheets of vascular plants recently found in the Real Colegio Alfonso XII of San Lorenzo del Escorial (Madrid). These plants belong to Reuter herbarium and were collected in Spain by Reuter himself during 1841. The importance of these rediscovered sheets is, besides their historical relevance, that either they were part of the original materials used by Reuter or by Boissier and Reuter in describing new species, or they were used as reference to establish the corology of the species in the classic *Prodromus Florae Hispanicae*, by Willkomm and Lange (1861-1880).

**Key words:** Historical herbaria, Type materials, Boissier, Reuter.

## INTRODUCTION

During the cataloguing of the herbarium of Mariano de la Paz Graells, recently discovered in the Real Colegio Alfonso XII of San Lorenzo de El Escorial (Carrasco *et al.*, 1997), we found 114 sheets which belong to the George Reuter herbarium. These plants were collected in the provinces of Madrid, Toledo and Ávila, during Reuter's trip through Spain in 1841. The sheets have been found among the herbarium of M. P. Graells and E. Carreño.

Reuter (1805-1872) was born in France, moving to Genève in 1826. From 1835 to 1841 he worked as curator of the Candolle Herbarium. After that period, he began to work with Edmund Boissier, joining Boissier's trips and taking care of Boissier herbarium. In 1872 he was nominated Director of the Botanical Garden of Genève, succeeding Alphonse De Candolle (Stafleu & Cowan, 1983).

The main corpus of the Reuter's collection is kept in the herbarium of Genève (G), though there is some material in others. As a result of our researches we must add now, to the herbaria cited by Stafleu & Cowan (1983) as depositories of Reuter's material, the herbarium of the Real Colegio Alfonso XII, (henceforth named RCAXII), not yet registered in Holmgren *et al.* (1990).

## MATERIAL AND METHODS

The specimens are excellently preserved and with many dupla. They have been disinfected, fixed on cardboard and registered, (Fig. 1). All the sheets are labeled (m. Reuter), many of them without mention to the collection year, or collected in 1841. The labels (first draft and most of them in Spanish) include the specific name, the locality and the month of collection, and sometimes even notes in Spanish, French or Latin. Many of them are also signed by Reuter (Fig. 2).

The importance of this collection is not only due to its historic relevance, but also to the fact that several sheets are type material, (marked \*\*), and some of them were used by Willkomm and Lange for the corology of the Spanish flora (Willkomm & Lange, 1861-1880), (marked \*). We present only the 22 plants of the collection, which belong to one of these two cases.

The labels are transcribed according to the typographic conventions used by Burdet *et al.* (1979: 66). The taxa are arranged in alphabetic order, keeping the names as they were used by Reuter for the species and the localities. We have included within brackets [ ] the localities of the protologue as well as other comments.



Figure 1.—Actual state of the plants.

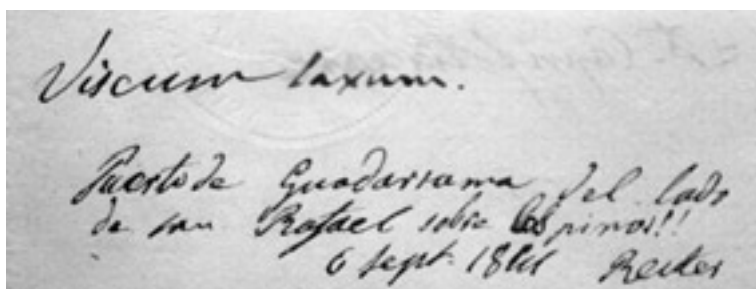


Figure 2.—Handwritten label noted and signed [m. Reuter].

## PLANTS COLLECTION

- (\*) (\*\*) *Bunium sub-carneum* Boiss. & Reuter  
*Bunium sub-carneum*//Boissier et Reuter, sp. Nov.//Junio-Guadarrama.//RCAXII 0582.  
 [Boissier & Reuter (1842): «Hab. in dumosis regionis montanae inferioris Sierra de Guadarrama... (Reuter).-fl. Maio-Jun.»; Willkomm & Lange (1880: 84): «S. Rafael (Reuter)»].
- (\*) *Bupleurum junceum* L.  
*Bupleurum junceum* ?//Mont. de Toledo//jul.//RCAXII 0607.  
 [Willkomm & Lange (1880: 72): «S. Pablo de los Montes (Reuter)»].
- (\*) *Bupleurum paniculatum* Brot.  
*Bupleurum paniculatum*/Brot.//Montes de Toledo//jul.//RCAXII 0608.  
 [Willkomm & Lange (1880: 74): «S. Pablo de los Montes (Reuter)»].
- (\*) (\*\*) *Colmeiroa buxifolia* Reuter  
*Rhamnus buxifolius* Poir.//est Euphorbiacea !!!/près de Layos province de/Toledo//jul.//RCAXII 6077.  
 Back of the label: *Colmeiroa buxifolia* Reuter//(Genero nuevo).  
 [Reuter (1843): «prope Layos, provinciae Toletanae (Reuter). Floret Martio»; Willkomm & Lange (1880: 506): «Layos (Reuter)»].
- (\*) *Crucianella patula* L.  
*Crucianella patula* L.//Aranjuez//jun.//RCAXII 3952.  
 [Willkomm & Lange (1870: 305): «Aranjuez (Reuter)»].
- (\*) *Dianthus deltoides* L.  
*Dianthus deltoides* L.!!//San Rafael//aug.//RCAXII 4037.  
 [Willkomm & Lange (1880: 680): «San Rafael de Guadarrama (Reuter)»].
- (\*) (\*\*) *Dianthus laricifolius* Boiss. & Reuter  
*Dianthus* sp. *laricifolius* B. et R.//San Rafael//aug.//RCAXII 4039.  
 [Boissier & Reuter (1842): «circa San Rafael (Reuter).-Fl. Aug.». Willkomm & Lange (1880: 688): «Sierra de Guadarrama, pr. San Rafael (Reuter)»].
- (\*) (\*\*) *Dianthus toletanus* Boiss. & Reuter  
*Dianthus toletanus* B. et R.//Montes de Toledo//jul.//RCAXII 4033.  
 [Boissier & Reuter (1842): «Sierra de Toledo supra San Pablo de los Montes (Reuter).-Fl. Junio et Julio». Willkomm & Lange (1880: 680): «Sierra de Toledo supra S. Pablo de los Montes (Reuter)»].
- (\*\*) *Durieua hispanica* Boiss. & Reuter  
*Caucalis hispanica* Lam. !!//*Durieua hispanica* Bois. et Reut.//Mont. de Toledo//jul.//RCAXII 0567.  
 Label of other sheet: *Caucalis hispanica* !!//Lam.//*Durieua hispanica* Bois. et Reut. !!//Escorial. 1 juin 1841//Reuter//RCAXII 0568.  
 [Boissier & Reuter (1842): «prope el Escorial et San Pablo de los Montes provinciae Toletanae (Reuter).-Fl. Junio.»].
- (\*) *Exacum filiforme* (L.) Willd.  
*Exacum filiforme* DC. fl. fr.//*Gentiana filiformis* L.//San Rafael.//aug.//RCAXII 6371  
 [Willkomm & Lange (1870: 659): «in centrali et australi raro: in montib. Carpet. (ad S. Rafael de Guadarrama) (Reuter)»].

- (\*) (\*\*) *Galium broterianum* Boiss. & Reuter  
Galium Broteri B. et R.//Galium rubioides Broter. non/Lin.//San Rafael.//aug.//RCAXII 3955.  
[Boissier & Reuter (1842): «Pinar de San Rafael. Fl. Aug.»; Willkomm & Lange (1870: 310): «Pinar de S. Rafael (Boissier & Reuter)»].
- (\*) (\*\*) *Galium rivulare* Boiss. & Reuter  
Galium sp. nov. !//G. rivulare B. et R. !//Montes de Avila.//RCAXII 3958.  
[Boissier & Reuter (1842): «Sierra de Guadarrama prope San Rafael»; Willkomm & Lange (1870: 320): «S. Rafael (Reuter)»].
- (\*) *Galium rotundifolium* L.  
Galium rotundifolium/L.//Pinar de San Rafael.//aug.//RCAXII 3957.  
[Willkomm & Lange (1870: 310): «Pinar de S. Rafael (Boissier & Reuter)»].
- (\*) *Gentiana pneumonanthe* L.  
Gentiana pneumonanthe/L.//Montes de Avila.//Reuter//RCAXII 6376.  
[Willkomm & Lange (1870: 656): «Montibus Carpet. (c. Avila, Sierra de Guadarrama) (Reuter)»].
- (\*) *Koeleria glauca* (Schrad.) DC.  
Koeleria glauca DC. ?//San Rafael.//aug.//RCAXII 6894.  
[Willkomm & Lange (1870: 76): «et pr. S. Rafael de Guadarrama (Reuter)»].
- (\*) *Mentha cervina* L.  
Mentha Cervina L.//Mont. de Toledo.//Jul.//RCAXII 3079.  
[Willkomm & Lange (1870: 393): «Montes de Toledo pr. S. Pablo (Reuter)»].
- (\*) *Physospermum aquilegifolium* Koch  
Physospermum aquilegifolium/Koch in DC Prod.//Haenseleria danaeformis Lag.//Pinar de Hoyoquesero in los Montes/de Avila.//Reuter//RCAXII 0591.  
[Willkomm & Lange (1880: 66): «Montes de Avila (Reuter)»].
- (\*) *Pimpinella dichotoma* L.  
Pimpinella dichotoma/DC !//Aranjuez.//jun.//RCAXII 0604.  
[Willkomm & Lange (1880: 96): «in collibus gypsaceis ad Aranjuez (Reuter)»].
- (\*) *Silene legionensis* Lag.  
Silene ~~ehiata~~ [tachado]Pourr ?. legionensis Lag.//San Rafael.//Aug.//RCAXII 4035.  
[Willkomm & Lange (1880: 653): «S. Rafael de Guadarrama (Reuter)»].
- (\*) *Statice dichotoma* Cav.  
Statice dichotoma Cav.//Rivas.//jul.//RCAXII 5608.  
[Willkomm & Lange (1870: 373): «in collibus gypsaceis argillosisque salsuginosis regionis infer. Castellae novae (c. Aranjuez, Rivas (Reuter))»].
- (\*) *Triticum glaucum* Desf. ex DC.  
Triticum glaucum Desf.//Montes de Toledo.//jul.//RCAXII 6896.  
[Willkomm & Lange (1870: 110): «in montib. Toletanis ad S. Pablo (Reuter)»].
- (\*) (\*\*) *Viscum laxum* Boiss. & Reuter  
Viscum laxum//Puerto de Guadarrama del lado/de San Rafael sobre los pinos !//6 Sept. 1841 Reuter//RCAXII 6727.  
[Boissier & Reuter (1842): «Hab. super truncum ramosque Pini sylvestris in regione montana parasiticum. Puerto de Guadarrama, in declivitate septentrionali supra San Rafael»; Willkomm & Lange (1870: 25): «S. de Guadarr. (Reuter)»].

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