

Proteaceae in the collection of Alois Traunfellner at the herbarium of the Landesmuseum Kärnten, Austria [KL]

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Summary: The historical collection of Alois Traunfellner (1782–1840), kept in the herbarium KL, comprises about 10,000 specimens. It is of great scientific value because it contains specimens collected on field trips in the Alps as well as larger collections from Australia, South Africa and Martinica. The family Proteaceae, mainly collected by F. W. Sieber, is presented in this study to mark the beginning of a larger examination of the ‘Herbarium Traunfellner’.

Keywords: herbarium KL, ‘Herbarium Traunfellner’, Franz Wilhelm Sieber, Proteaceae, types, historical collection

Alois Traunfellner was born 1782 in Vienna (Austria) and spent most of his lifetime in Klagenfurt (Austria). Besides his work as a pharmacist and owner of a drugstore, he pursued his great predilection for botany and also mineralogy. Lots of field trips in the south eastern and eastern parts of the Alps and Dalmatia made him a profound expert of the local flora. He corresponded with the authorities of this time, i.e. Hoppe (KLEMUN 2003; RÖTHER et al. 2006), Wulfen, Hohenwarth, Seenus, Vest, Schleicher, Rhode, Weihe, Rochel and Opitz (GRAF 1881) and established an extensive exchange of herbarium specimens. Especially Franz Wilhelm Sieber (1789–1844) visited Traunfellner several times (GRAF 1881) and deposited lots of his collections in Klagenfurt (mainly from Australia, South Africa and Martinica). Traunfellner died 1840 in Klagenfurt (GRAF 1881).

Two different collections of Traunfellner are preserved in KL: a pharmaceutical herbarium and a large general plant collection called ‘Herbarium Traunfellner’. Whereas extended treatments of the pharmaceutical collection have been done (KROVAT 1996; KARTNIG & KROVAT 1996, 1998), the ‘Herbarium Traunfellner’ comprising about 10,000 specimens is still unexamined. This collection is kept separately in its original fascicles and is not incorporated into the main collection of the herbarium KL as published by the ‘Biodiversity Collections Index’ [<http://www.biodiversitycollectionsindex.org/collection/view/id/21701>].

The following list shows the complete holdings of Proteaceae in the ‘Herbarium Traunfellner’ kept in the herbarium KL. Names are mostly given in their original orthography. Indication of types {T} are according to the Australian Plant Name Index (APNI 2008).

Aulax pinifolia Rob. Brown

Banksia amula RB. – Sieber: Fl. Novæ Holl. No. 2

Banksia australis RB. – Sieber: Fl. Novæ Holl. No. 3

Banksia cuninghami Sbr. – Sieber: Fl. Novæ Holl. No. 6 {T} (Fig.1)

Banksia ericaefolia R. Brown – E Helvetia Schleicher cult

– In ericetis saxosus prope P.[ort] Jakson Sieber – Sieber: Fl. Novæ Holl. No. 7

R. K. EBERWEIN



Figure 1: *Banksia cuninghami* Sbr., Fl. Novæ Holl. No. 6 {T} – Insertion: Traunfellner's handwriting at the envelope.

Proteaceae in the collection of Alois Traunfellner at the herbarium KL

- Banksia integrifolia* RB. – Sieber: Fl. Novæ Holl. No. 4
Banksia latifolia R. Brown – E Helvetia Schleicher
Banksia littoralis R. Brown – E Helvetia Schleicher cult / In Nova Hollandia ora australi ad littora arenosa sinuum
Banksia marginata RB. – Sieber: Fl. Novæ Holl. No. 8
Banksia oblongifolia Cav. – E Botany Bay Nova Hollandia Sieber – Sieber: Fl. Novæ Holl. No. 5
– E Helvetia Schleicher cult?
Banksia paludosa R. Brown – E Helvetia Schleicher
– In paludosis prope P.[ort] Jackson Sieber – Sieber: Fl. Novæ Holl. No. 9
Banksia premorsa ? [In envelope of Baltimora]
Banksia spinulosa R. Brown Linn – E Helvetia Schleicher
– In Nova Hollandia aricetis aridis Sieber – Sieber: Fl. Novæ Holl. No. 1
Conospermum ericifolium RB. – Sieber: Fl. Novæ Holl. No. 43
Conospermum imbricatum Sieb. – Sieber: Fl. Novæ Holl. No. 44 {T}
Conospermum longifolium RB. – Sieber: Fl. Novæ Holl. No. 41
Conospermum repens Sbr. – Sieber: Fl. Novæ Holl. No. 45
Conospermum taxifolia RB. – Sieber: Fl. Novæ Holl. No. 42
Conospermum tenuifolium RB. – Sieber: Fl. Novæ Holl. No. 40
Dryandra longifolia Rob. Br. (*Josephia longifolia* Salisb.) – e Horto Kewense Schleicher
Embotrium spatulatum Cav. – Sieber: Fl. Novæ Holl. No. 22
Grevillea acanthifolia RB. – Sieber: Fl. Novæ Holl. No. 32 {T?}
Grevillea aciphylla Sbr. – Sieber: Fl. Novæ Holl. No. 28 {T}
Grevillea buxifolia RB. – Sieber: Fl. Novæ Holl. No. 37
Grevillea daphnoides Sbr. – Sieber: Fl. Novæ Holl. No. 25 {T}
Grevillea diffusa Sieber – Sieber: Fl. Novæ Holl. No. 36 {T}
Grevillea ferruginea Sbr. – Sieber: Fl. Novæ Holl. No. 27 {T}
Grevillea juniperina RB. – Sieber: Fl. Novæ Holl. No. 34
Grevillea laurifolia Sbr. – Sieber: Fl. Novæ Holl. No. 26 {T}
Grevillea linearis RB. – Sieber: Fl. Novæ Holl. No. 30
Grevillea myrtacea Sieber – Sieber: Fl. Novæ Holl. No. 39 {T}
Grevillea oleoides Sbr. – Sieber: Fl. Novæ Holl. No. 35 {T}
Grevillea panicea RB. – Sieber: Fl. Novæ Holl. No. 31
Grevillea phylliroides RB. – Sieber: Fl. Novæ Holl. No. 29
Grevillea riparia RB. – Sieber: Fl. Novæ Holl. No. 33
Grevillea sericea RB. – Sieber: Fl. Novæ Holl. No. 38
Hakea acicularis R. Brown – E Helvetia Schleicher
– e Nova Hollandia Sieber Prope P.[ort] Jackson in aricetis saxosis – Sieber: Fl. Novæ Holl. No. 10
Hakea dactyloides R.B. – Sieber: Fl. Novæ Holl. No. 12
Hakea gibbosa Cavannal – e Nova Hollandia Sieber Prope P.[ort] Jackson – Sieber: Fl. Novæ Holl. No. 14
– Helvetia Schleicher cult?
Hakea olaeifolia R. Brown – ex Horto Göttingense / In Camphis collibusque Lewins Land E King Georges Sound
Hakea pachyphylla Sbr. – Sieber: Fl. Novæ Holl. No. 11 {T} (Fig.2)

R. K. EBERWEIN



Figure 2: *Hakea pachyphylla* Sbr., Fl. Novæ Holl. No. 11 {T} – Insertion: Traunfellner's handwriting at the envelope.

Proteaceae in the collection of Alois Traunfellner at the herbarium KL

- Hakea pugioniformis* Röm&Sch – E Horto Herenhus: Wendland cult
 – In Nova Hollandia prope P.[ort] Jakson in oricetis aridis – Sieber: Fl.
 Novæ Holl. No. 13
- Isopogon anemonifolius* RB. – Sieber: Fl. Novæ Holl. No. 18
- Isopogon anethifolium* – Sieber: Fl. Novæ Holl. No. 17
- Lambertia formosa* RB. – Sieber: Fl. Novæ Holl. No. 24
- Leucadendron adscendens* [indicated as female] Rob. Br. (Protea umbellata?) – Gürtler 1812 e Cap. bona
 Spei VanderSchott
- Leucadendron adscendens* R. Brown – Ad Cap. bon. Spei. in collibus arenosis Sieber – Sieber: F. capensis No. 9
 – Ex Horto Herenhus. Wendl. Cult.
- Leucadendron cinereum* RB. – Ex Hort. Gött. Mayer
- Leucadendron decorum* RB. – ad Cap. Ecklon / In planitie capensis prope vineas Jul. 1825 / Unio itineraria
 1828 Ecklon
- Leucadendron salignum* R. Br. – VanderSchott ad Cap. legit
- Leucadendron tortum* Rob. Brown – VanderSchott ad Cap. legit
- Leucadendron virgatum* RB. – ad Cap. Sbr. – Sieber: Fl. Capensis No. 8
- Leucospermum diffusum* R. B. – ad Cap. Sieber – Sieber: Fl. capensis No. 3
- Leucospermum ellipticum* Röm&Sch – Gürtler 1813 Spontanea a Cap. bon. Spei VanderSchott
- Leucospermum hypophyllum* R. Brown – Gürtler 1813 Sponte e Cap. bon. Spei VanderSchott
- Lomatia longifolia* RB. – Sieber: Fl. Novæ Holl. No. 16
- Lomatia sclaiifolia* RB. – Sieber: Fl. Novæ Holl. No. 15
- Persoonia acerosa* Sbr. – Sieber: Fl. Novæ Holl. No. 59 {T}
- Persoonia arida* Sb. – Sieber: Fl. Novæ Holl. No. 55 {T}
- Persoonia feruginea* RB. – Sieber: Fl. Novæ Holl. No. 58
- Persoonia glaucescens* Sbr. – Sieber: Fl. Novæ Holl. No. 47 {T}
- Persoonia hirsuta* Pers. – Sieber: Fl. Novæ Holl. No. 56
- Persoonia juniperina* R. B. – Sieber: Fl. Novæ Holl. No. 53
- Persoonia lanceolata* RB. – Sieber: Fl. Novæ Holl. No. 57
- Persoonia linearis* RB. – Sieber: Fl. Novæ Holl. No. 46
- Persoonia mollis* RB. – Sieber: Fl. Novæ Holl. No. 54
- Persoonia myrtilloides* Sbr. – Sieber: Fl. Novæ Holl. No. 52 {T}
- Persoonia oxycoccoides* Sbr. – Sieber: Fl. Novæ Holl. No. 49 {T}
- Persoonia pinifolia* R. B. – Sieber: Fl. Novæ Holl. No. 50
- Persoonia revoluta* Sbr. – Sieber: Fl. Novæ Holl. No. 48 {T}
- Persoonia salicina* RB. – Sieber: Fl. Novæ Holl. No. 60
- Persoonia spathulata* RB. – Sieber: Fl. Novæ Holl. No. 51
- Petrophylla pedunculata* RB. – Sieber: Fl. Novæ Holl. No. 20 [= Petrophila]
- Petrophylla pulchella* RB. – Sieber: Fl. Novæ Holl. No. 19
- Petrophylla sessilis* Sbr. – Sieber: Fl. Novæ Holl. No. 21 {T}
- Protea coccinea* R. B. – ad Cap. Ecklon / Iter frutices altitud. 3. mont. Diaboli Decbr. U. J. Ecklon
- Protea mellifera* Thunb. – ad Cap. Sieber – Sieber: Fl. capensis No. 2
 – Arenosa alitud. 1. mont. Diaboli. July. U. J. Ecklon
- Protea nana* Röm&Sch – VanderSchott ad Cap. bon: Spei Sponte
- Serruria* – arenosa planitiei capensis Decbr. U. J. Ecklon

R. K. EBERWEIN

Serruria – arenosa plano infra vineas et montem tigridis Octbr. 1825 / Unio itineraria 1828 Ecklon
Serruria burmannii Rob. Brown – Ex Gürtler a VanderSchott sponte / In Africa australis depressis sterilibus
ex ad latera montium
Serruria foeniculacea R. Br. – ad Cap. Sieb. – Sieber: Fl. capensis No. 10
Serruria phyllicoides R. Br. – ad Cap. VanderSchott
Symphonema abrotanoides Sieber – Sieber: Fl. Novæ Holl. No. 62 {T}
Symphonema montanum R.B. – e Nova Hollandia – Sieber: Fl. Novæ Holl. No. 63
Symphonema paludosum RB. – Sieber: Fl. Novæ Holl. No. 61
Xylomelum pyriforme RB. – Sieber: Fl. Novæ Holl. No. 23

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