

Asteraceae specimens collected by Johann August Ludwig Preiss

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Abstract

Lander, N. S. Asteraceae specimens collected by Johann August Ludwig Preiss. *Kingia* 1(1): 9-19 (1987). All specimens of Asteraceae collected by J. A. L. Preiss during his visit to Western Australia from 1838 to 1842 located in herbaria at Lund (LD) and Geneva (G) are listed. For each specimen the original Preiss field collection number (if cited) and the number under which it is recorded in Lehmann's "Plantae Preissianae" are noted as well as its type status, location and current name.

Of a total of 117 Preiss Asteraceae specimens located at LD, 57 are types of taxa described in "Plantae Preissianae". Of 80 such specimens held at G, 40 are types.

Preiss specimens of *Olearia* species located at CGE, CO, FL, K, L, MEL, P and WRSL and are also listed. It is suggested that the extent of Preiss specimens represented at K may be far greater than has hitherto been realised.

Introduction

In the course of my year as Australian Botanical Liaison Officer at Kew, 1984-5, I visited several European herbaria, principally in order to examine specimens of *Olearia*, the genus I am currently revising. In herbaria at the Botaniska Museum, Lund (LD) and the Conservatoire et Jardin Botaniques, Geneva (G) I am confident that I have located all, or nearly all of the specimens of Asteraceae collected by the German naturalist Johann August Ludwig Preiss during his visit to Western Australia from 1838 to 1842. Since a large proportion of these specimens are types of taxa described in J. G. C. Lehmann's "Plantae Preissianae" (1844-8) I present the following list of my findings as being of general interest.

PREISS FIELD NUMBER	PL. PREISS. NUMBER	(a) TYPE STATUS AND LOCATION (b) CURRENT NAME
0010	-1	(a) P (b) <i>Olearia axillaris</i> (DC.) F. Muell. ex Benth.
0058	-1	(a) G (b) <i>Sonchus oleraceus</i> L.
0112	-1	(a) G (b) <i>Brachycome iberidifolia</i> Benth.
0149	-1	(a) G (b) <i>Senecio glossanthus</i> (Sonder) Belcher
0151	-1	(a) G (b) <i>Olearia homolepis</i> (F. Muell.) F. Muell. ex Benth.
0152	-1	(a) G (b) <i>Helipterum heteranthum</i> Turcz.
0154	-1	(a) G (b) <i>Podolepis canescens</i> Cunn. ex DC.

PREISS FIELD NUMBER	PL. PREISS. NUMBER	(a) TYPE STATUS AND LOCATION (b) CURRENT NAME
0155	.1	(a) G (b) <i>Podolepis gracilis</i> (Lehm.) Graham
0156	.1	(a) G (b) <i>Helipterum tenellum</i> Turcz.
0157	.1	(a) G (b) <i>Helipterum chlorocephalum</i> (Turcz.) Benth.
0162	.1	(a) G (b) <i>Myriocephalus nudus</i> A. Gray
0163	.1	(a) G (b) <i>Pluchea squarrosa</i> Benth.
0902	.1	(a) G (b) <i>Senecio lautus</i> ssp. <i>maritimus</i> Ali
-	.1	(a) LD (b) <i>Senecio ramosissimus</i> DC.
-	.1	(a) LD (b) <i>Waitzia aurea</i> (Benth.) Steetz
-	.2	(a) (b) <i>Brachycome radicans</i> Steetz
-	.2	(a) <i>Eurybia aspera</i> Steetz - holo: MEL (b) <i>Olearia strigosa</i> (Steetz) Benth.
-	.2	(a) (b) <i>Helichrysum macranthum</i> Benth.
-	.2,3	(a) (b) <i>Lagenifera stipitata</i> (Labill.) Druce [as <i>Lagenophora gracilis</i> Steetz]
-	-	(a) <i>Pithocarpa major</i> Steetz - type: LD (b) <i>Pithocarpa pulchella</i> Lindley
-	.2	(a) (b) <i>Schoenia cassiniana</i> (Gaudich.) Steetz [as <i>Schoenia oppositifolia</i> Steetz]
-	-	(a) <i>Waitzia acuminata</i> Steetz - syn: LD (b) <i>Waitzia acuminata</i> Steetz
-	0001	(a) G, LD (b) <i>Helichrysum macranthum</i> Benth.
-	0002	(a) G, LD (b) <i>Waitzia aurea</i> (Benth.) Steetz
-	0003	(a) G, LD (b) <i>Helichrysum bracteatum</i> (Vent.) Andrews
-	0004 ex parte	(a) LD (b) <i>Helichrysum bracteatum</i> (Vent.) Andrews
-	0004 ex parte	(a) LD (b) <i>Waitzia aurea</i> (Benth.) Steetz-
-	0005	(a) G, LD (b) <i>Waitzia aurea</i> (Benth.) Steetz
-	0006	(a) <i>Waitzia steetziana</i> Lehm. - holo: LD, iso: G (b) <i>Waitzia citrina</i> (Benth.) Steetz
-	0007	(a) <i>Waitzia sulphurea</i> Steetz - type: LD (b) <i>Waitzia citrina</i> (Benth.) Steetz

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-	0008	(a) G, LD (b) <i>Waitzia aurea</i> (Benth.) Steetz
-	0009	(a) G, LD (b) <i>Waitzia aurea</i> (Benth.) Steetz
-	0010	(a) G, LD (b) <i>Waitzia citrina</i> (Benth.) Steetz
-	0011	(a) <i>Helipterum niveum</i> Steetz - type: LD (b) <i>Helipterum niveum</i> Steetz
0158	0012	(a) G, LD (b) <i>Waitzia suaveolens</i> (Benth.) Druce
-	0013	(a) G, LD (b) <i>Waitzia suaveolens</i> (Benth.) Druce
-	0014	(a) <i>Anisolepis pyrethrum</i> Steetz - type: LD (b) <i>Helipterum pyrethrum</i> (Steetz) Benth.
-	0015	(a) <i>Waitzia brevirostris</i> Steetz - type: G, LD (b) <i>Waitzia citrina</i> (Benth.) Steetz
-	0016	(a) G, LD (b) <i>Helipterum cotula</i> (Benth.) DC.
-	0017	(a) <i>Helipterum cotula</i> var. <i>simplex</i> Steetz - type: LD (b) <i>Helipterum cotula</i> (Benth.) DC.
-	0018	(a) <i>Helipterum simplex</i> Steetz - type: G, LD (b) <i>Helipterum cotula</i> (Benth.) DC.
-	0019	(a) <i>Hyalospermum glutinosum</i> Steetz - type: G, LD (b) <i>Helipterum hyalospermum</i> F. Muell. ex Benth.
-	0020	(a) <i>Hyalospermum strictum</i> Steetz - type: G, LD (b) <i>Helipterum hyalospermum</i> F. Muell. ex Benth.
-	0021	(a) <i>Helipterum citrinum</i> Steetz - type: G, LD (b) <i>Helipterum cotula</i> (Benth.) DC.
-	0022	(a) LD (b) <i>Helichrysum semipapposum</i> (Labill.) DC.
-	0023	(a) G, LD (b) <i>Helichrysum semipapposum</i> (Labill.) DC.
-	0024	(a) <i>Pteropogon spicatus</i> Steetz - type: G, LD (b) <i>Helipterum spicatum</i> (Steetz) F. Muell. ex Benth.
-	0025 ²	(a) (b) <i>Helichrysum apiculatum</i> (Labill.) D. Don [as <i>Chrysocephalum flavissimum</i> (DC.) Steetz]
-	0026	(a) G, LD (b) <i>Helichrysum ramosum</i> DC.
-	0027	(a) LD (b) <i>Pithocarpa achilleoides</i> P. Lewis & Summerh.
-	0028	(a) <i>Ozothamnus lepidophyllus</i> Steetz non J.D. Hook. - syn: LD, isosyn: G (see Burbidge 1958) (b) <i>Helichrysum lepidophyllum</i> (Steetz) Benth.
-	0029	(a) G, LD (b) <i>Helichrysum cordatum</i> DC.
-	0030	(a) G, LD (b) <i>Angianthus cunninghamii</i> (DC.) Benth.

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-	0031	(a) <i>Leucophyta brownii</i> var. <i>candidissima</i> Steetz - types: G, LD (b) <i>Calocephalus brownii</i> (Cass.) F. Muell.
+	0032 ²	(a) (b) <i>Calocephalus brownii</i> (Cass.) F. Muell. [as <i>Leucophyta brownii</i> var. <i>virescens</i> Steetz]
+	0033	(a) LD (b) <i>Pseudognaphalium luteo-album</i> (L.) Hilliard & B.L. Burt
+	0034	(a) LD (b) <i>Pseudognaphalium luteo-album</i> (L.) Hilliard & B.L. Burt
+	0035	(a) <i>Pterochaeta paniculata</i> Steetz - type: G, LD (b) <i>Waitzia paniculata</i> (Steetz) F. Muell. ex Benth.
+	0036	(a) FI-W, G, LD (b) <i>Angianthus micropodioides</i> (Benth.) Benth.
+	0037	(a) <i>Phyllocalymma filaginoides</i> Steetz - islecto: FI-W, G, LD (see Short 1981a). (b) <i>Angianthus micropodioides</i> (Benth.) Benth.
+	0038	(a) <i>Skirrhophorus preissianus</i> Steetz - islecto: G, LD (see Short 1981a) (b) <i>Angianthus preissianus</i> (Steetz) Benth.
-	0039	(a) <i>Pogonolepis stricta</i> Steetz - islecto: G, LD (see Short 1968) (b) <i>Pogonolepis stricta</i> Steetz
0826	0040	(a) G, LD (b) <i>Siloxerus humifusus</i> Labill.
+	0041	(a) <i>Styloncerus cylindraceus</i> Steetz - islecto: G, LD (see Short 1981b) (b) <i>Siloxerus humifusus</i> Labill.
+	0042	(a) <i>Styloncerus suberectus</i> Steetz - islecto: G, LD (see Short 1981b) (b) <i>Siloxerus humifusus</i> Labill.
+	0043	(a) LD (b) <i>Helipterum corymbosum</i> (A. Gray) Benth.
0161	0044	(a) <i>Pachysurus angianthoides</i> Steetz - type: FI-W, G, LD (b) <i>Calocephalus angianthoides</i> (Steetz) Benth.
+	0045	(a) G, LD (b) <i>Chrysocoryne pusilla</i> (Benth.) Endl.
+	0046 ⁴	(a) (b) <i>Gnaphalium</i> [as <i>Gnaphalium involucreatum</i> var. <i>undulatum</i> Steetz]
+	0047 ⁴	(a) (b) <i>Gnaphalium</i> [as <i>Gnaphalium involucreatum</i> var. <i>planifolium</i> Steetz]
+	0048 ⁴	(a) G (b) <i>Helichrysum lindleyi</i> H. Eichler
+	0049	(a) G, LD (b) <i>Helipterum manglesii</i> (Lindley) F. Muell. ex Benth.
+	0050	(a) G, LD (b) <i>Podolepis gracilis</i> (Lehm.) R. Graham
+	0051	(a) G, LD (b) <i>Podolepis gracilis</i> (Lehm.) R. Graham
+	0052 ²	(a) (b) <i>Podolepis cancenscens</i> A. Cunn. ex DC. [as <i>Podolepis aristata</i> var. <i>chrysantha</i> (Endl.) Steetz]

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	0053	(a) <i>Podolepis rosea</i> var. <i>mollissima</i> Steetz - isolecto: G, LD (see Davis 1957) (b) <i>Podolepis gracilis</i> (Lehm.) R. Graham
	0054	(a) <i>Podolepis subulata</i> Steetz - syn: LD, isosyn: G (see Davis 1957) (b) <i>Podolepis canescens</i> A. Cunn. ex DC.
0569	0055	(a) <i>Podolepis rosea</i> Steetz - isolecto: G, LD (see Burbidge 1957) (b) <i>Podolepis gracilis</i> (Lehm.) R. Graham
	0056	(a) G, LD (b) <i>Podolepis gracilis</i> (Lehm.) R. Graham
	0057	(a) <i>Podolepis filiformis</i> Steetz - syn: LD, isosyn: G (see Davis 1957) (b) <i>Podolepis gracilis</i> (Lehm.) R. Graham
	0058	(a) <i>Podolepis nutans</i> Steetz - isolecto: G, LD (see Davis 1957) (b) <i>Podolepis nutans</i> Steetz
	0059	(a) LD (b) <i>Podolepis lessonii</i> (Cass.) Benth.
	0060 ⁴	(a) (b) <i>Podolepis canescens</i> Cunn. ex DC. [as <i>Podolepis aristata</i> Benth.]
	0061	(a) <i>Podolepis rosea</i> var. <i>mollissima</i> Steetz - lectopara: LD (see Davis 1957) (b) <i>Podolepis gracilis</i> (Lehm.) R. Graham
	0062	(a) LD (b) <i>Angianthus tomentosus</i> Wendl.
0548	0063	(a) CGE, G, K, L, LD, MEL, P (b) <i>Olearia rudis</i> (Benth.) F. Muell. ex Benth.
	0064	(a) LD (b) <i>Microseris scapigera</i> (Sol. ex Cunn.) Schultz - Bip.
	0065	(a) <i>Athrixia australia</i> Steetz - syn: LD, isosyn: G (see Kroner 1980) (b) <i>Asteridea pulverulenta</i> Lindley
0545	0066	(a) G, LD (b) <i>Millotia myosotidifolia</i> (Benth.)
	0067	(a) <i>Millotia robusta</i> Steetz - syn: LD, isosyn: G (see Schodde 1963) (b) <i>Millotia myosotidifolia</i> (Benth.) Steetz
	0068	(a) G, LD (b) <i>Millotia tenuifolia</i> Cass.
	0069	(a) <i>Chrysodiscus niveus</i> Steetz - type: G, LD (b) <i>Asteridea nivea</i> (Steetz) Kroner
0180	0070 ⁴	(a) <i>Senecio cygnorum</i> Steetz - type: G (b) <i>Senecio ramosissimus</i> DC.
	0071	(a) LD (b) <i>Chrysocoryne pusilla</i> (Benth.) Endl.
	0072	(a) <i>Siemssenia capillaris</i> Steetz - isolecto: LD (see Davis 1957) (b) <i>Podolepis capillaris</i> (Steetz) Diels
	0073	(a) LD (b) <i>Senecio quadridentatus</i> Labill.
	0074	(a) <i>Eurybia paucidentata</i> var. <i>glabrata</i> Steetz - syn: LD, MEL, isosyn: G, P (b) <i>Olearia paucidentata</i> (Steetz) Benth.
	0075	(a) LD, MEL (b) <i>Olearia axillaris</i> (DC.) F. Muell. ex Benth.

PREISS FIELD NUMBER	PL. PREISS. NUMBER	(a) TYPE STATUS AND LOCATION (b) CURRENT NAME
	0076	(a) LD, MEL (b) <i>Olearia ciliata</i> (Benth.) Benth.
	0077 ²	(a) MEL (b) <i>Olearia ciliata</i> (Benth.) Benth.
	0078	(a) LD, MEL (b) <i>Olearia ciliata</i> (Benth.) Benth.
0147	0079	(a) <i>Eurybia lehmanniana</i> Steetz - syn: MEL, LD, isosyn: CO, FI, FI-W, G, K, MEL, P, WRSL (b) <i>Olearia paucidentata</i> (Steetz) Benth.
	0080 ex parte	(a) <i>Eurybia affinis</i> Steetz - syn: LD, MEL, isosyn: P (b) <i>Olearia elaeophila</i> (DC.) F. Muell. ex Benth.
0032	0080 ex parte	(a) <i>Eurybia paucidentata</i> var. <i>subracemosa</i> Steetz - syn: LD, MEL, isosyn: K, P (b) <i>Olearia paucidentata</i> (Steetz) Benth.
	0081	(a) <i>Eurybia paniculata</i> Steetz - syn: LD, MEL (b) <i>Olearia elaeophila</i> (DC.) F. Muell. ex Benth.
	0082	(a) <i>Eurybia muricata</i> Steetz - syn: LD, MEL, isosyn: G, MEL (b) <i>Olearia muricata</i> (Steetz) Benth.
	0083	(a) <i>Eurybia strigosa</i> Steetz - syn: LD, MEL, isosyn: G (b) <i>Olearia strigosa</i> (Steetz) Benth.
	0084	(a) <i>Eurybia paucidentata</i> var. <i>hispida</i> Steetz - type: K, MEL (b) <i>Olearia paucidentata</i> (Steetz) Benth.
	0085	(a) <i>Brachycome lanuginosa</i> Steetz - isolecto: G, LD (see Davis 1948) (b) <i>Brachycome ciliaris</i> var. <i>lanuginosa</i> (Steetz) Benth.
	0086	(a) <i>Brachycome pusilla</i> Steetz - isolecto: G, LD (see Davis 1948) (b) <i>Brachycome pusilla</i> Steetz
	0087	(a) G, LD (b) <i>Brachycome ciliaris</i> (Labill.) Less.
	0088 ^{1,2}	(a) (b)
	0089	(a) LD, MEL (b) <i>Olearia axillaris</i> (DC.) F. Muell. ex Benth.
	0090	(a) <i>Eurybia candidissima</i> Steetz - syn: LD, MEL, isosyn: G, P (b) <i>Olearia axillaris</i> (DC.) F. Muell. ex Benth.
	0091	(a) LD, MEL, TCD (b) <i>Olearia axillaris</i> (DC.) F. Muell. ex Benth.
	0092	(a) G, LD, MEL, P (b) <i>Olearia axillaris</i> (DC.) F. Muell. ex Benth.
	0093	(a) <i>Eurybia axillaris</i> var. <i>exaltata</i> Steetz - syn: LD, MEL, isosyn: CO, G, K, L, MEL, P, WRSL (b) <i>Olearia axillaris</i> (DC.) F. Muell. ex Benth.
	0094 ⁵	(a) G, LD (b) <i>Brachycome iberidifolia</i> Benth.
	0095	(a) <i>Brachycome iberidifolia</i> var. <i>major</i> Steetz - isolecto: G, LD (see Davis 1948) (b) <i>Brachycome iberidifolia</i> Benth.
	0096	(a) <i>Brachycome iberidifolia</i> var. <i>divergens</i> Steetz - isolecto: LD (see Davis 1948) (b) <i>Brachycome iberidifolia</i> Benth.

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-	0097	(a) <i>Brachycome iberidifolia</i> var. <i>alba</i> Steetz - isolecto: LD (see Davis 1948) (b) <i>Brachycome iberidifolia</i> Benth.
-	0098	(a) <i>Brachycome pusilla</i> Steetz - lectopara: LD (see Davis 1948) (b) <i>Brachycome pusilla</i> Steetz
	0099	(a) <i>Brachycome bellidioides</i> Steetz - isolecto: G, LD (see Davis 1948) (b) <i>Brachycome bellidioides</i> Steetz
	0100	(a) <i>Millettia glabra</i> Steetz - syn: LD, isosyn: G (see Schodde 1963) (b) <i>Millettia myosotidifolia</i> (Benth.) Steetz
	0101	(a) <i>Gymnogyne cotuloides</i> Steetz - type: LD (b) <i>Cotula cotuloides</i> (Steetz) Druce
	0102 ²	(a) (b) <i>Vittadinia</i>
	0103	(a) <i>Silphiosperma glandulosum</i> Steetz - isolecto: LD (see Davis 1948) (b) <i>Brachycome glandulosa</i> (Steetz) Benth.
	0104 ²	(a) TCD (b) <i>Vittadinia</i>
	0105	(a) <i>Ixiolaena chrysantha</i> Steetz - type: FI-W, LD (b) <i>Podotheca chrysantha</i> (Steetz) Benth.
	0106	(a) LD (b) <i>Podotheca angustifolia</i> (Labill.) Less.
	0107	(a) LD (b) <i>Podotheca gnaphalioides</i> Graham
	0108 ex parte	(a) <i>Picris squarrosa</i> Steetz - type: LD (b) <i>Picris squarrosa</i> Steetz
	0108 ex parte ⁴	(a) (b) <i>Senecio lautus</i> G. Forster ex Willd. [as <i>Senecio carnulentus</i> var. <i>angustissima</i> Steetz]
	0109	(a) <i>Senecio carnulentus</i> var. <i>angustissima</i> Steetz - syn LD, isosyn: G (see Ali 1969) (b) <i>Senecio lautus</i> G. Forster ex Willd.
	0110	(a) <i>Senecio carnulentus</i> var. <i>latiloba</i> Steetz - syn: LD, isosyn: G (see Ali 1969) (b) <i>Senecio lautus</i> G. Forster ex Willd.
	0111	(a) LD (b) <i>Senecio ramosissimus</i> DC.
	0112	(a) LD (b) <i>Senecio lautus</i> G. Forster ex Willd.
	0113	(a) (b)
	0114 ²	(a) (b) <i>Senecio lautus</i> G. Forster ex Willd. [as <i>Senecio crithmifolius</i> A. Rich.
	0115 ²	(a) (b) <i>Senecio</i> [as <i>Erechtites</i>]
	0116	(a) LD (b) <i>Sonchus asper</i> Hill
	0117	(a) LD (b) <i>Sonchus oleraceus</i> L.
	0118	(a) G, LD (b) <i>Lagenifera huegelii</i> Benth.

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-	0119	(a) LD (b) <i>Hypochaeris glabra</i> L.
-	0120	(a) G, LD (b) <i>Ixiolaena viscosa</i> Benth.
-	0121	(a) G, LD (b) <i>Craspedia</i> sp. [as <i>Craspedia richea</i> Cass.]
-	0122	(a) LD (b) <i>Centipeda minuta</i> (L.) A. Braun & Asch.
-	0123	(a) LD (b) <i>Senecio ramosissima</i> DC.
-	0124 ^{1,2}	(a) (b)
-	0125 ²	(a) (b) <i>Senecio</i> [as <i>Erechtites</i>]
-	0126	(a) LD (b) <i>Senecio quadridentatus</i> Labill.
-	0127	(a) <i>Styloncerus multiflorus</i> Nees - type: LD (b) <i>Rutidosia multiflorus</i> (Nees) Robinson
-	0128 ⁴	(a) (b) <i>Cotula coronopifolia</i> L.
-	0129 ⁴	(a) (b) <i>Arctotheca calendula</i> (L.) Levyns [as <i>Cryptostemma calendulaceum</i> R. Br.]
-	0130	(a) <i>Cymbonotus preissianus</i> Steetz - type: LD (b) <i>Cymbonotus preissianus</i> Steetz
-	1361	(a) FI-W, LD (b) <i>Siloxerus humifusus</i> Labill.
-	2414b	(a) <i>Chthonocephalus pseudevax</i> Steetz - type: LD (b) <i>Chthonocephalus pseudevax</i> Steetz
-	2416	(a) <i>Silphiosperma perpusillum</i> Steetz - isolecto G, LD (see Davis 1948) (b) <i>Brachycome perpusilla</i> (Steetz) Benth.
-	2427	(a) <i>Calotis erinacea</i> Steetz - isolecto: LD (see Davis 1952) (b) <i>Calotis erinacea</i> Steetz

¹ Specimens not cited in "Plantae Preissianae".

² Specimens not located at LD or G.

³ The sole record of this species in Western Australia. Davis (1950) records a possible syntype of *Lagenophora gracilis* Steetz [= *Lagenifera stipitata* (Labill.) Druce] in Melbourne (MEL).

⁴ Specimens noted by Agardh in his personal copy of Lehmann's "Plantae Preissianae" as present at LD, but not found there despite an exhaustive search.

⁵ Burbidge (1948) has incorrectly nominated duplicates of this gathering as lectotype and lectoparatypes of *Brachycome iberidifolia* var. *huegeliana* Steetz. In his notes on this taxon Steetz cites the type of *Brachycome iberidifolia* Benth. collected by Huegel. Thus the name *Brachycome iberidifolia* var. *huegeliana* Steetz is not validly published.

Discussion

An account of Preiss's activities in Australia has been presented by McGillivray (1975). General background concerning the specimens at Lund and evidence that they are in fact from Lehmann's personal herbarium has been given by Wilson (1983) and Crisp (1983).

As can be seen from the above list the representation at Lund of Asteraceae collected by Preiss is high indeed. Of 142 collections recorded in "Plantae Preissianae" 115 are represented at Lund, 57 of which are types of taxa described therein, 55 by J. Steetz, the botanist responsible for the account of Asteraceae, one by Nees and one by Lehmann himself. Each of these specimens has full details of locality and date corresponding to those in "Plantae Preissianae". Furthermore, each has been annotated by Steetz. Thus, as Crisp (1983) argues, where lectotypification has not yet been made the Lund specimens have equal status with those from Steetz's own herbarium (now at MEL) and should be considered when names from "Plantae Preissianae" are lectotypified.

A further two Preiss Asteraceae specimens were found at Lund which lack the numbers and collecting details that would allow them to be related to those recorded in "Plantae Preissianae".

At the Geneva herbarium a large suite of Preiss Asteraceae specimens was located in the main collection. A smaller number bearing what appear to be original Preiss field numbers were found amongst undetermined material at the end of the family. Several more similarly numbered sheets of Asteraceae were found at other European herbaria visited. These collections, 23 in all, span the period 17 December 1838 to 8 November 1840, and the numbers are in an irregular chronological order. In some cases these specimens bear details of locality and date which allow them to be correlated with those of "Plantae Preissianae"; others represent taxa not considered there.

The Preiss specimens at Geneva appear to have come from four independent sources, namely:

- (a) specimens with Plantae Preissianae numbers labelled "in col. Swan River" in an unknown hand, received in 1843, with separate labels bearing Plantae Preissianae names;
- (b) specimens with Plantae Preissianae numbers and names, and printed labels reading "Mr L. Preiss, Swan River, 1837-40";
- (c) specimens with Preiss' original numbers, labelled with full details of locality and date in an unknown hand, without names, each with a second printed label reading "Swan-River Colony. - Nouvelle Holland 1839-1840, Preiss.", received in July 1842;
- (d) specimens donated by the Candolle family in 1921 with Preiss' original numbers, labelled "Nov. Holland., Swan River", without date, without names, received in 1854, each with "Ferd. Muller" crossed out, some with number tags.

Clearly, series (a) and (c) above were distributed not long after Preiss returned to Europe in early 1842 where the general systematic arrangement of his collections was completed and the organisation of "Plantae Preissianae" commenced under the guidance and supervision of Lehmann at Hamburg. It seems likely that the name labels for series (a) were provided at some later date, perhaps after publication of the relevant parts of "Plantae Preissianae".

Of the 80 Preiss Asteraceae specimens located at Geneva, 40 are types of taxa described in "Plantae Preissianae".

In the course of my examination of specimens of *Olearia* in European herbaria I encountered Preiss collections in CGE, CO, FI, K, L and P. These are listed above.

It is worth noting here that Preiss' Asteraceae specimens held at Florence (FI) are labelled "Comm. dal Signore Preiss in Febrio 1846" and bear *Plantae Preissianae* numbers and names. It seems that Preiss himself was distributing material as late as 1846. This and the preceding observations provide confirmation of Crisp's (1983) surmise that material not distributed to the various authors of "*Plantae Preissianae*" was retained by Preiss and offered for sale.

Burbidge (1972) has catalogued Preiss specimens held at Kew and Missouri (MO). In her list only a single *Olearia* collection is noted for Kew. However, I myself encountered a total of five Preiss *Olearia* specimens at Kew. The additional four bear Preiss field numbers which, by virtue of the collection details, can easily be related to those of "*Plantae Preissianae*". Presumably they are from amongst specimens purchased by William Hooker in London before Preiss continued on to Hamburg. Thus they might be expected to bear Preiss field numbers rather than those allocated later by Lehmann.

Although this sample is rather small it suggests that the total of Preiss specimens represented at Kew may be far greater than has hitherto been realised.

All the Preiss Asteraceae specimens at Lund of type status were photographed. Black and white negatives and prints are lodged at the Western Australian Herbarium (PERTH).

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