

C.F. Meissner's species of *Acacia* (Leguminosae: Mimosoideae): typification of the names

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Abstract

Maslin, B.R. and Cowan, R.S. C.F. Meissner's species of *Acacia* (Leguminosae: Mimosoideae): typification of the names. *Nuytsia* 9 (3): 399-414 (1994). The type status of names for all 56 taxa described by Meissner in Lehmann's "Plantae Preissianae" (1844 and 1848) and in a subsequent paper in "Botanisches Zeitung" (1855) has been carefully assessed. Consequently, we have fixed the application of these names by choosing lectotypes wherever possible from among the syntypes, particularly those at BM, LD and NY. Of the lectotypes selected here 19 are at LD, 10 are at NY and 2 at BM.

Introduction

Johann August Ludwig Preiss, a private scholar and landowner in Herzberg am Harz in north-eastern Germany, journeyed to Western Australia in 1838 and spent more than three years (December 1838-January 1842) collecting plants, approximately 2800 species of both cryptogams and phanerogams (Marchant 1990). Several recent papers have described his itinerary and the fate of his collections, namely McGillivray (1975), Wilson (1983), Crisp (1983), Lander (1988), Short & Sinkora (1988) and Marchant (1990), but the account is still incomplete. Crisp noted that when Preiss returned to Europe, he turned over his collections to J.G.C. Lehmann, still unsorted even to family, although McGillivray (1975) records that some were sold earlier to William Hooker by Preiss while he was in London in mid-1842. Lehmann then enlisted the assistance of specialists to prepare an account of the various taxa that were subsequently published in "Plantae Preissianae" vols. 1 and 2 in 1844 and 1848 respectively. In the preface to these volumes, Lehmann made it clear that the sorting of the material was under his supervision and that it was sorted into families before specimens were sent to the 19 specialists who contributed treatments of the taxa (Short & Sinkora 1988). Unfortunately we do not know precisely how much of each of the collections the authors worked with, whether they had access to all the material or only the material which became part of Lehmann's and their own herbaria. Lehmann's herbarium went to the herbarium of the Botanical Museum, Lund, Sweden (LD) and each contributing author was allowed to take specimens of varying proportions for their own herbarium (Crisp 1983). It is possible, of course, that Lehmann distributed duplicates of the Preiss collections before specimens were sent to the specialists. This appears to have been the case, at least with specimens of Asteraceae, for Lander (1988) noted that there are Preiss specimens at the Conservatoire

Botanique de Geneve (G) which were received as early as June 1842, just six months after Preiss' departure from Western Australia. Short & Sinkora (1988) stated that all the Preiss Australian specimens received by J. Steetz, who contributed the Compositae, were in his hands by 1843. McGillivray (1975) suggested that some Preiss collection numbers, specifically those between 2621 and 2644, might well have been represented by one or very few specimens. The only collection number in this range representing *Acacia* type material was the type number Meissner cited for *A. myrtifolia* var. *major* (2641) and no example of that number has been seen by us.

Typification of Meissner's *Acacia* names

In the course of preparing the account of *Acacia* for the "Flora of Australia" the status of all 56 taxa described by Meissner in the "Plantae Preissianae" (1844 and 1848) and in a subsequent paper in "Botanisches Zeitung" (1855) has been carefully assessed and the names typified where possible. The new taxa were divided between species (of which 12 are now synonyms of other taxa) and varieties (of which 18 are now considered synonyms); this means that more than half the novelties he described have been synonymised, a rather surprising statistic given the fact that in the 1840s, relatively few taxa from Western Australia had been described, and those mostly by Robert Brown (1813) and George Bentham (1842). Many of Meissner's varieties represented minor variants in the populations, which may explain in part the very high number of synonyms at that level.

The new taxa of *Acacia* described by Meissner are mostly from south-west Western Australia, the exceptions being *A. falcinella* and *A. latrobei* which were based on Latrobe collections from eastern Australia, and *A. glaucifolia* which was based on a European-grown garden plant. The new taxa were based principally on Preiss collections but included a substantial number of J. Drummond collections. Two south-west Australian taxa were based on other than Preiss or Drummond collections - *A. denudata* var. *spinossissima* (based on a European-grown garden plant) and *A. gilbertii* (based on Gilbert 50).

The primary sets of Preiss collections of *Acacia* are at the Herbarium, Botanical Museum, Lund, Sweden (LD) and The New York Botanical Garden (NY); the latter set is Meissner's personal herbarium which was purchased by Columbia University in New York City and later transferred to NY. The Preiss specimens at LD were annotated by Meissner in most cases but the remainder of the label is often in Lehmann's hand. As to Meissner's personal herbarium at NY, the conclusion seems inescapable that Meissner annotated the specimens after the publication of "Plantae Preissianae", for he included in many cases, as part of the labels, the page number in "Plantae Preissianae", as well as reference to subsequent use of the name in other works, chiefly Bentham's account of the genus in the "Flora Australiensis".

Both Crisp (1983) and Wilson (1983) concluded that, taken as a whole, the best set of Preiss collections is at LD. Our analysis of the type specimens of Meissner *Acacia* taxa based on Preiss collections demonstrates that one cannot make the assumption that the LD specimen best qualifies as lectotype. We found that nearly as many specimens were better represented and/or better authenticated in Meissner's own herbarium at NY. For example, *A. restiacea* var. *scoparia* at NY is completely annotated to the varietal level by Meissner but the LD specimen lacks either a species or varietal epithet. Similarly, there are several other examples of Preiss specimens at LD not annotated by the author with the name published by him, namely, *A. acuminata* var. *ciliata*, *A. denudata*, *A. meissneri* and *A. obovata* var. *minor*. As noted above, the annotations by Meissner on the NY specimens were likely to have been added after the publication of "Plantae Preissianae".

Even if the "International Code of Botanical Nomenclature" did not condemn mechanical selection of lectotypes, to choose the LD specimen as the lectotype of a Meissner species without careful assessment of all the relevant data would be equally undesirable. We have studied each taxon thoroughly with all the relevant materials at hand before choosing lectotypes, a procedure most likely to lead to typifications that contribute to the stability of plant names.

Meissner also used Drummond specimens in his three accounts involving *Acacia*. Crisp (1983) noted that, with respect to the "Plantae Preissianae" treatments, Meissner saw Drummond specimens in the Shuttleworth herbarium which was purchased by BM in 1877. Except for *A. pulchella* var. *glaberrima* we have seen the relevant BM *Acacia* material (many in the form of photocopies provided by Dr P. Weston). These specimens are marked as being part of Shuttleworth's herbarium and, in most cases, are annotated by Meissner (however, see "Notes" under *A. ligustrina*, *A. meissneri* var. *angustifolia*, *A. myriobotrya* and *A. trigonophylla*). There are also Drummond type specimens at BM of five of the species described in the "Botanisches Zeitung" publication; however, these are not annotated by the author and are not marked as part of the Shuttleworth herbarium. Except for the NY Drummond specimens of *A. cochlocarpa* and *A. scirpifolia* (which are treated as holotypes) none of the NY or LD specimens of these five species is annotated by Meissner. As it is not known what material Meissner used to describe the other three species we have treated specimens bearing the type numbers as syntypes.

There are duplicates of Preiss and Drummond *Acacia* collections in many herbaria worldwide. Indeed, in the course of several lengthy visits to many European, American and Australian herbaria, Maslin located collections, mainly of Preiss and Drummond, relevant to the present study at the following institutions: A, BM, C, CGE, E, FI, G, G-DC, GOET, HBG, K, L, LD, M, MEL, MO, NAP, NSW, NY, OXF, P, PERTH, RO, STR, TCD, US and W.

We have taken the opportunity, provided by our work on the genus for the "Flora of Australia" to fix the application of Meissner's names by choosing lectotypes wherever possible from among the syntypes. This was possible because we had available Maslin's photographs and detailed notes concerning all Preiss and Drummond specimens at both LD and NY. This work was also greatly facilitated by having photocopies of many of the Drummond syntypes at BM; these were provided by the 1992-93 Australian Botanical Liaison Officer at Kew, Dr Peter Weston.

Of the 56 names introduced by Meissner, we here lectotypify 29 of them, about half the total, of which 19 are based on specimens at LD, 10 at NY, and 2 at BM. Two names, *A. endlicheri* and *A. horridula*, had been lectotypified previously, based on specimens at MEL and NY respectively. Holotypes are recognised for ten names, eight are based on specimens at BM and two at NY, and these are primarily based on Drummond specimens which originated from Shuttleworth's herbarium.

Methods

- (1) Where an equally complete, annotated Preiss specimen was present at NY and LD, we chose, arbitrarily if necessary, the NY specimen from Meissner's own herbarium.
- (2) We have refrained from typifying names in the absence of all the relevant information (this applies mostly to names based on Drummond collections published in "Botanisches Zeitung").

The format in the following list is that each entry includes the taxon name and author citation, the place of publication and a precise quotation of the type citation given in the protologue; bracketed geographic information in the type citations is the present-day equivalent of the Preiss locality as interpreted by Marchant (1990). This is followed by the type designation in which we give the data on the type sheet, the abbreviation of the herbarium holding the type specimen and the abbreviations of the herbaria holding duplicates of the type. In the list presented the following assumptions may be made:

- (1) The specimen selected as lectotype conforms with the protologue and is annotated by the author in his own hand, unless specifically stated otherwise.
- (2) We believe that we have examined all relevant Preiss and Drummond specimens at BM, LD and NY that pertain to *Acacia* names published by Meissner (the Drummond syntype of *A. pulchella* var. *glaberrima* excepted).
- (3) Meissner has annotated the types that are listed for BM, LD and NY unless we indicate otherwise.
- (4) In the case of entries lacking an appended "Note", one should assume that the name in question is accepted as published by Meissner.

List of Meissner's *Acacia* Names

Acacia acuminata* var. *ciliata Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 19 (1844). Type citation: "In solo sublimoso-arenoso sylvae circa oppidum York. Herb. Preiss. No. 934." *Lectotype* (here selected): In solo sublimoso-arenoso sylvae circa urbiculam York (York), legit. L. Preiss No. 934 (NY); *isolectotypes*: A, G, GOET, HBG, L, LD, MEL, MO, P, PERTH 02482827 (fragment ex MEL), STR.

Note. The LD specimen of *Preiss* 934 is not annotated by Meissner but the NY one is. This name is treated as a synonym of *A. acuminata* Benth. subsp. *acuminata* in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia apiculata Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 17 (1844). Type citation: "In glareosis sterilibus porrectis promont. Cape Riche, d. 20. Nov. 1840. Herb. Preiss No. 919." *Lectotype* (here selected): In glareosis sterilibus porrectis promontorii 'Cape Riche', 20. Nov. 1840, legit. L. Preiss 919 (LD); *isolectotypes*: G, NY.

Note. This name will be treated as a synonym of *A. subcaerulea* Lindley in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia benthamii Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 11 (1844). Type citation: "In regionibus interioribus Australiae meridionali-occidentalis m. Nov. 1840. Herb. Preiss. florens No. 949. (*Drummond* n. 284!)" *Lectotype* (here selected): Ad fluv. Cygnorum [Swan River, W.A.], *Drummond* 284 (BM, sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877."); *isolectotype*: G; ? *isolectotypes*: K, OXF, W (specimens numbered '289' apparently in error). *Paralectotype*: In regionib. interioribus Austr. merid.-occid., Nov. 1840, legit. L. Preiss 949 (LD).

Acacia bidentata* var. *pubescens Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 10 (1844). Type citation: "In arenosis planitiei ad fluv. Avon, 9 mill. ab oppido York, d. 10 Sept. 1839. Herb. Preiss. No. 958, florif. et in sterilibus sylvae ad montem prope praedium rusticum Dom. Barker [between York and Toodyay], d. 11. Apr. 1840. sterilis No. 969." *Lectotype* (here selected): In arenosis planitiei ad fluvium 'Avon', 9 millium ab urbicula 'York' (York), 10 Sept. 1839, legit. *L. Preiss* 958 (LD); *isolectotypes*: C, CGE (*sphalm.* '445'), FI, K, M, MEL, MO, P, PERTH 00806927, TCD (*sphalm.* '445'). *Paralectotypes*: In sterilibus illustribus sylvae ad montem prope praedium rusticum D. Barker, 11 Apr. 1840, legit. *L. Preiss* 969 (LD, NY).

Note. This name will be treated as a synonym of *A. bidentata* Benth. in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia biglandulosa Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 205 (1848). Type citation: "Swan River, Drummond coll. II. No. 97." *Holotype*: Ad fluv. Cygnorum [Swan River, W.A.] *Drummond* 97 (BM, sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877."); *isotypes*: K, MEL, NSW, OXF, P, PERTH 00742090.

Note. The holotype is the only specimen seen that has been annotated by Meissner. This name was treated as a synonym of *A. pentadenia* Lindley in Maslin (1975).

Acacia candolleana Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 206 (1848). Type citation: "Swan River, Drummond. coll. II. No. 152." *Holotype*: Ad fluv. Cygnorum [Swan River, W.A.], *Drummond* 152 (BM, sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877."); *isotypes*: CGE, K, G-DC, LD, MEL, OXF, P, PERTH 01012762 - fragment ex MEL.

Note. The BM specimen of *Drummond* 152 is annotated by Meissner but the LD specimen is not. The name *A. candolleana* was treated as the basionym of *A. drummondii* subsp. *candolleana* (Meissner) Maslin in Maslin (1975).

Acacia cochlocarpa Meissner, Bot. Zeitung (Berlin) 13: 10 (1855). Type citation: "Drumm. Coll. VI. n. 6." *Holotype*: Nov. Holl. Australi - occid. inter flum. Moore et Murchison [between Moore R. and Murchison R., W.A.], *Drummond* coll. 6, n. 6, comm. Shuttleworth 1854 (NY); *isotypes*: BM, CGE, LD (*sphalm.* 'coll. 3'), OXF, P, PERTH 00976008 (fragment, origin unknown).

Note. The only specimen we have seen of *Drummond* 6: 6 annotated by Meissner is at NY and it is therefore regarded as the holotype. *Acacia cochlocarpa* will be treated as comprising two subspecies in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia cuneata* var. *glabra Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 9 (1844). Type citation: "Cum praecedente [i.e. *A. cuneata*, "In clivulis calcareis juxta oppidum Freemantle"] d. 15. Aug. 1839. No. 956.; et in arenosis inter frutices vix penetrabiles insulae Rotenest d. 19. Aug. 1839. florens No. 954." *Lectotype* (here selected): In clivulis calcareis haud longe ab urbicula 'Freemantle', 15 Aug. 1839, legit. *L. Preiss* 956 (LD); *isolectotypes*: K, NY (also K, MEL, P & PERTH 01504711 - fragment ex MEL) but all incorrectly labelled *L. Preiss* 954). *Paralectotype*: Rottneest Island, 19 Aug. 1839, *L. Preiss* 954 (C, FI, L, M, MO, NAP, NY, P, STR & W, also K, MEL, PERTH 01507893 - fragment ex MEL, W but all incorrectly labelled *L. Preiss* 956).

Note. The name *A. cuneata* var. *glabra* was based on two Preiss collections, namely, 954 from Rottneest Island (this represents *A. littorea* Maslin) and 956 from the adjacent mainland near Fremantle (this represents a very close relative, *A. truncata* (Burm. f.) Hort. ex Hoffmannsegg). Judging from specimens examined in numerous herbaria it appears that specimens of 956 have commonly been erroneously labelled as 954, and *vice versa*; we have attempted to elucidate this confusion above. The type sheet of *A. cuneata* var. *glabra* at LD supports what appears to be two identical specimens of *A. truncata*. It would therefore be expected that these would both be labelled as *Preiss* 956; however, only the left hand specimen is thus labelled (we have selected this as the lectotype), the right hand specimen is (evidently erroneously) labelled as *Preiss* 954.

Acacia cynorum var. **minutifolia** Meissner in J.G.C. Lehmann (as '*cygnorum*'), Pl. Preiss. 1: 22 (1844). Type citation: "In region. interior. Australiae merid.-occid., d. 7. Mart. 1840. Herb. Preiss. No. 912." *Lectotype* (here selected): In regionibus interioribus Austr. merid.-occid., 7 March 1840, legit. L. Preiss 912 (LD); *isolectotypes*: MEL, NY, PERTH 01825615 (fragment ex MEL).

Note. The lectotype is the right hand specimen on the LD sheet; the left hand specimen is *Preiss* 886 (= *A. lasiocarpa* Benth. ? var. *lasiocarpa*). The name *A. cynorum* var. *minutifolia* was treated as a synonym of *A. lasiocarpa* var. *sedifolia* (Meissner) Maslin in Maslin (1975).

Acacia cynorum var. **sedifolia** Meissner in J.G.C. Lehmann (as '*cygnorum*'), Pl. Preiss. 1: 22 (1844). Type citation: "In sublimoso-glareosis sylvae district. Hay [between Balgarup and Lake Matilda], d. 7. Nov. 1840. Herb. Preiss. No. 911." *Lectotype* (here selected): In sublimoso-glareosis silvae districtus 'Hay', 7 Nov. 1840, legit. L. Preiss 911 (LD); *isolectotypes*: MEL, PERTH 01014293 (fragment ex MEL).

Note. The lectotype is the right hand specimen on the LD sheet; the left hand specimen is *Preiss* 892 (= *A. lasiocarpa* Benth. ? var. *sedifolia*). The name *A. cynorum* var. *sedifolia* was treated as the basionym of *A. lasiocarpa* var. *sedifolia* (Meissner) Maslin in Maslin (1975).

Acacia daphnifolia Meissner, Bot. Zeitung (Berlin) 13: 11 (1855). Type citation: "Drumm. Coll. VI. n. 2." *Syntypes*: between Moore and Murchison rivers, W.A., *J. Drummond* 6: 2 (BM, K, LD - *sphalm.* 'coll. 3', MEL, OXF, P, PERTH 02786303 - fragment ex MEL, TDC, W).

Note. Because the BM specimen of *Drummond* 6: 2 has been annotated by Meissner and because we did not record who annotated all the other specimens cited above, we have refrained from selecting a lectotype for *A. daphnifolia*. All syntypes examined to date represent *A. microbotrya* Benth. under which name *A. daphnifolia* will be treated in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia denudata Lehm. ex Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 21 (1844). Type citation: "In depressis umbrosis prope Woodman's-point, d. 15. Aug. 1839. Herb. Preiss. No. 893. (*Drummond* n. 312!)" *Lectotype* (here selected): Ad fluv. Cygnorum [Swan River, W.A.], *Drummond* 312 (BM, sheet labelled "HERB. R.J. SHUTTLEWORTH-Recd. 1877."); *isolectotypes*: G-DC, K, MEL, P, PERTH 01105582 (fragment ex MEL), W. *Paralectotype*: In depressis umbrosis prope 'Woodman's point' [Woodman Point, 32° 08'S, 115° 44'E], 15 Aug. 1839. legit. L. Preiss 893 (LD, MEL, PERTH 00748366 - fragment ex MEL, RO & TCD, the last two *sphalm.* '298').

Note. The BM lectotype is annotated by Meissner. This name was treated as a synonym of *A. pulchella* var. *glaberrima* Meissner in Maslin (1975).

Acacia denudata* var. *gracilis Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 21 (1844). Type citation: "In umbrosis ad ripam fluvii Preston (Wellington) m. Dec. 1839. Herb. Preiss. No. 904." *Lectotype* (here selected): In umbrosis ad ripam fluvii 'Preston' (Wellington), Dec. 1839, legit. *L. Preiss* 904 (LD); *isolectotype*: US.

Note. Both the LD and US specimens are annotated by Meissner. This name was treated as a synonym of *A. pulchella* var. *glaberrima* Meissner in Maslin (1975).

Acacia denudata* var. *spinosissima Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 21 (1844). Type citation: "Colitur in Horto Baumanniano Mulhusiae Alsatorum, ubi florentem vidi vere 1843." *?Holotype*: cultivated in Hort. Baumann, Bollwiller (US: writing on label needs confirming as Meissner's).

Note. This name will be treated as a synonym of *A. pulchella* R. Br. var. *pulchella* in the forthcoming "Flora of Australia" account of *Acacia*; in the absence of having seen the type, Maslin (1975) erroneously referred this name to *A. pulchella* var. *glaberrima* Meissner.

Acacia diptera* var. *angustior Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 5 (1844). Type citation: "In glareosis ad jugum montium Darling's-range prope cataractam [i.e. Susannah Brook], d. 3. Aug. 1839. - Herb. Preiss. No. 393 [sphalm. 993]. in asperis ad latus occidentale montis Wuljenup (Plantagenet) [i.e. Willyung Hill, near Albany] d. 14. Oct. 1840 (No. 394.[sphalm. 994]) et hinc inde in arenosis subumbrosis sylvae ad fluv. Cygnorum [Swan River], d. 23. Jul. 1839. (sine No.)". *Lectotype* (here selected): In glareosis ad jugum montium Darling's-range, haud procul a cataracta, 3 Aug. 1839, legit. *L. Preiss* 993 (sphalm. '393' in protologue) (NY); *isolectotypes*: HBG, K, FI, G, GOET, L, LD, P, STR. *Paralectotype 1*: In asperis ad latus occidentale montis 'Wuljenup' (Plantagenet), W.A., 14 Oct. 1840, legit. *L. Preiss* 994 (sphalm. '394' in protologue) (G, LD, NY). *Paralectotype 2*: In arenosis subumbrosis sylvae ad fluvium Cygnorum hinc inde, W.A., 23 July 1839, legit. *L. Preiss* s.n. (LD).

Note. This name will be treated as a synonym of *A. applanata* Maslin (ms name) in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia diptera* var. *latior Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 4 (1844). Type citation: "In arenosis sylvae prope Perth, d. 8. Maj. Herb. Preiss. No. 995, et in limoso calculosis inter frutices sylvae prope Halfwayhouse (Darling's-range) [i.e. Halfway House, 31° 54'S, 116° 20'E] d. 12. Sept. 1839. No. 996 cum fl. et fr." *Lectotype* (here selected): In limoso-calculosis inter frutices sylvae prope Halfwayhouse (Darling's-range), W.A., 12 Sept. 1839, legit. *L. Preiss* 996 (sphalm. '596' on specimen label, but '996' on slip-on tag attached to specimen) (NY); *isolectotypes*: G, GOET, HBG, L, LD, STR. *Paralectotypes*: In arenosis sylvae haud prope urbiculam Perth, W.A., 8 May 1839, legit. *L. Preiss* 995 (B, FI, G, GOET, HBG, K, L, LD, NY - sphalm. '595', P, STR)

Note. The LD specimens of *Preiss* 995 & 996 are not annotated by Meissner as to variety. This name will be treated as a synonym of *A. willdenowiana* H.L. Wendl. in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia endlicheri Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 21 (1844). Type citation: "In districtu Plantagenet [i.e. between Lake Matilda, Albany and Two Peoples Bay] m. Dec. 1840. Herb. Preiss. No. 888 et 905." *Lectotype* (fide Maslin, Nuytsia 1: 431, 1975): without details, *L. Preiss* 905 (MEL); *isolectotypes*: PERTH 01036874 (fragment ex MEL). *Paralectotypes*: In districtu 'Plantagenet', Dec. 1840, legit. *L. Preiss* 888 (LD, NY).

Note. In order to apply the name *Acacia endlicheri* unequivocally, the taxon was lectotypified by Maslin (1975) by the only type material which was then known to him. Subsequently it has been discovered that more appropriate candidates for lectotypification exist at LD and NY (these are annotated by Meissner and have label details corresponding to the protologue). However, as the original lectotypification is not invalid under the International Code of Botanical Nomenclature it is retained here. The name *A. endlicheri* was treated as the basionym of *A. browniana* var. *endlicheri* (Meissner) Maslin in Maslin (1975).

Acacia falcinella Meissner, Bot. Zeitung (Berlin) 13: 11 (1855). Type citation: "Circa Victoria (Port Lincoln) Novae Holl. austral. legit cl. Latrobe!"

Note. This type has not been located as yet. Following Bentham (1864), this name will be treated as a synonym of *A. pycnantha* Benth. in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia gilbertii Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 204 (1848). Type citation: "Swan River, 'Vasse and Augusta road', m. Dec. 1842. *Gilbert* No. 50. 'White blossomed Acacia.'" *Holotype*: Augusta, W.A., 1842, *Gilbert* 50 (BM, sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877."); *isotypes*: K, FI, PERTH 00709093 (ex BM), TCD.

Note. The BM holotype is the only specimen we have seen annotated by Meissner.

Acacia glaucifolia A. & N. Baumann ex Meissner in J.G.C. Lehmann, Pl. Preiss 1: 14 (1844). Type citation: "Colitur in hortis Baumannianis Mulhusiae et Bollwiller, Alsatae, ubi vivam florentemque vidi." *Holotype*: cultivated, April 1842, A. & N. Baumann (STR: writing on label not in Meissner's hand).

Note. This name will be treated as a synonym of *A. cultriformis* Cunn. ex Don in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia graminea Lehm. ex Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 5 (1844). Type citation: "In solo humoso vallis prope Mahogany creek (Darling's-range) [i.e. 31° 54'S, 116° 08'E] d. 25. Apr. 1840. Herb. Preiss., No. 984 (Drummond n. 304)". *Lectotype* (here selected): In solo humoso vallis prope 'Mahogany creek' (Darling's-range), 25 Apr. 1840, legit. L. Preiss 984 (LD); *isolectotypes*: A, G & NY. *Paralectotypes*: Swan River, J. Drummond 304 (BM, OXF, P).

Note. This name will be treated as a synonym of *A. extensa* Lindley in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia heteroclita Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 18 (1844). Type citation: "Ad promont. Cape Riche, d. 19. Nov. 1840. Herb. Preiss. No. 938." *Lectotype* (here selected): Ad promontorium 'Cape Riche', 19 Nov. 1840, legit. L. Preiss 938 (LD); *isolectotypes*: G, NY, PERTH 01170996 (fragments ex G and NY).

Note. *Acacia heteroclita* will be treated as comprising two subspecies in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia hookeri Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 12 (1844). Type citation: "In solo sublimoso prope villam Cl. Mitchell [property of W. Mitchell, Upper Swan, 31° 46'S, 116° 01'E] ad

fluv. Cygnorum [Swan River], d. 29. Jun. 1839. florens Herb. Preiss. No. 981. (Drummond n. 300!)". *Lectotype* (here selected): In solo sublimoso prope villam Cl. Mitchell ad fluvium Cygnorum, 29 June 1839, legit. L. Preiss 981 (LD); *isolectotype*: C, FI, G, GOET, HBG, K, L, M, MEL, MO, NAP, NY, P, PERTH00947989 (fragment ex MEL, RO -*sphalm.* '464', STR, TCD -*sphalm.* '464'). *Paralectotype*: Ad fluv. Cygnorum, *Drummond* 300 (BM - sheet labelled "HERB. R.J. SHUTTLEWORTH.-Reed. 1877.", G, G-DC, MEL, OXF, P, PERTH 00947555 - fragment ex MEL).

Note. The *Preiss* lectotype at LD and *isolectotype* at NY, and the *Drummond* *paralectotype* at BM are all annotated by Meissner. This name was treated as a synonym of *A. ericifolia* Benth. in Maslin (1978a).

Acacia horridula Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 9 (1844). Type citation: "In regionibus interioribus Australiae meridionali-occidentalis, m. Nov. 1840. Herb. Preiss. No. 965, cum fruct. jun. et in arenosis ad fluv. Canning (Perth) d. 4. Dec. 1839. florescens No. 1151." *Lectotype* (*vide* Maslin, *Nuytsia* 2: 277. 1978): In arenosis ad fl. Canning (Perth), 4. Dec. 1839, legit. L. Preiss 1151 (NY); *isolectotypes*: G, LD, MEL, P, PERTH00896195 (fragment ex MEL), W. *Paralectotypes*: In regionib. interioribus Austr. merid.-occid., Nov. 1840, legit. L. Preiss 965 (LD, NY).

Note. *Acacia horridula* was based on discordant elements, namely, *Preiss* 1151 (= *A. horridula* Meissner *sensu lectotypico*) and *Preiss* 965 (= *A. pycnocephala* Maslin), *vide* Maslin (1978). At the time of typifying this name the author was unaware of the existence of the LD collections. We now know that both syntypes are at LD and NY and both are annotated by Meissner.

Acacia loricina Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 6 (1844). Type citation: "In regionibus interioribus Australiae meridionali-occidentalis m. Oct. 1840. Herb. Preiss. No. 973." *Lectotype* (here selected): In regionib. interiorib. Australiae meridionali-occidentalis, Oct. 1840. legit. L. Preiss 973 (NY); *isolectotypes*: C, FI, G, GOET, HBG, L, LD, M, MEL, P, PERTH01504207 (fragment ex MEL), STR.

Acacia latipes* var. *pubescens Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 10 (1844). Type citation: "In planitie arenosa Quangen (Victoria) [i.e. near Wongamine, E of Toodyay, 31° 29'S, 116° 37'E] d. 20. Mart. 1840. sterilis Herb. Preiss. No. 989." *Lectotype* (here selected): In planitie arenosa Quangen (Victoria), 20 March 1840, legit. L. Preiss 989 (NY); *isolectotype*: LD.

Note. This name will be treated as a synonym of *A. latipes* Benth. subsp. *latipes* in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia latrobei Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 10 (1844). Type citation: "In colonia ad 'Port Philipp' Australiae meridionali-occidentalis legit cl. Latrobe, coloniae praefectus (v.s. in Herb. Musei Neocomensis.[Como, Italy])". *Lectotype* (here selected): Victoria, legit. Latrobe, comm. D. Sam. Studer 1852. (NY, sheet stamped herb. Meissner); *isolectotype*: G.

Note. There is no herbarium listed in "Index Herbariorum" for Como, Italy (see location of dried specimen in type citation). However, type material of *A. latrobei* has been seen at both herb. NY and G and it is therefore desirable to lectotypify this name. The specimen selected as lectotype has been annotated by Meissner; the material at G may also have been annotated by Meissner but we do not know whether this is the case. The name *A. latrobei* was treated as a synonym of *A. acinacea* Lindley in Maslin (1987).

Acacia leiophylla var. **microcephala** Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 15 (1844). Type citation: "In regionibus interior. Australiae meridionali-occidentalis m. Oct. 1840. Herb. Preiss. No. 921." *Lectotype* (here selected): In regionibus interioribus Australiae meridionali-occidentalis, Oct. 1840, legit. L. Preiss 921 (NY); *isolectotypes*: G-DC, LD, MEL, NAP, PERTH 02484625 (fragment ex MEL), W.

Note. The lectotype is the left hand specimen on the NY sheet; the right hand (flowering) specimen is unlabelled but judging from the type sheet at LD this is probably *Preiss* 922 (= *A. microbotrya* Benth.). We are not absolutely sure of the identity of *Preiss* 921 but it appears to represent the oblanceolate phyllode form of *A. chamaeleon* Maslin (ms name) under which it will be included in the forthcoming "Flora of Australia" account of *Acacia* as a presumed synonym.

Acacia leptoneura var. **pungens** Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 12 (1844). Type citation: "In regionibus interior. Australiae merid.-occid. m. Oct. 1840. sterilis Herb. Preiss. No. 976." *Lectotype* (here selected): In regionibus interioribus Austr. merid.-occid., Oct. 1840, legit. L. Preiss 976 (LD); *isolectotypes*: NY, P, PERTH 00985937 (fragment ex B).

Note. Extant collections of *Preiss* 976 are sterile or with very young fruit thus making it difficult to name with certainty. However, it appears to be *A. acellerata* Maiden & Blakely under which name it will be placed as a presumed synonym in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia ligustrina Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 203 (1848). Type citation: "Swan River, Drummond. coll. II. No. 150." *Syntypes*: Swan River, W.A., J. Drummond 2: 150 (BM, G, K, LD, MEL, NSW, OXF, P, PERTH 00763233 - fragment ex MEL, W).

Note. Although the BM specimen of this collection was examined by Maslin some years ago, no record was made as to who provided the annotations on the sheet and therefore we have refrained from selecting a lectotype for *A. ligustrina*. This does not affect the application of the name because all syntypes examined to date represent the same taxon.

Acacia lindleyi Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 14 (1844). Type citation: "In regionibus interioribus Australiae meridionali-occidentalis m. Nov. 1840. Herb. Preiss. No. 947." *Lectotype* (here selected): In regionibus interioribus Austr. merid.-occid., Nov. 1840, legit. L. Preiss 947 (LD); *isolectotype*: NY.

Note. This name will be treated as a synonym of *A. saligna* (Labill.) H. Wendl. in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia marginata var. **angustata** Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 14 (1844). Type citation: "Herb. Preiss. No. 927 ex parte." *Lectotype* (here selected): In glareosis illustribus sylvae ad latus merid. montis 'Clarence', [Mount Clarence, Albany, W.A.], 30 Sept. 1840, legit. L. Preiss 927 [ex parte] (LD); *isolectotypes*: A, C, FI, G, GOET, HBG, K, M, MEL, NY, P, STR, W.

Note. This name will be treated as a synonym of *A. myrtifolia* (Sm.) Willd. in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia meisneri Lehm. ex Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 13 (1844). Type citation: "In limoso-arenosis sylvae prope oppidum York [near York], d. 4. Sept. 1839. Herb. Preiss. No. 930."

Lectotype (here selected): In limoso-arenosis illustribus sylvae prope urbiculam 'York' (York), 4 Sept. 1839, legit. L. Preiss 930 (LD); *isolectotypes*: G, GOET, K, MEL, NY, P, PERTH 02482940 (fragment ex MEL), STR.

Note. At first, Meissner applied the ms name '*pruinosa*' to this taxon but later changed it to '*raccinioides*', presumably because the former name had previously been used by Bentham in 1842. Both the LD and NY sheets are annotated with these two ms names; however, '*raccinioides*' was subsequently changed to '*Meissneri*' (annotated on the LD sheet by Lehmann) or '*Meisneri*' (annotated on the NY sheet by Meissner). Because the LD material is the more complete we have selected this as the lectotype even though Meissner did not annotate the sheet with the published name. Nevertheless, it is clear that he examined the LD material prior to publication of *A. meisneri*.

Acacia meisneri* var. *angustifolia Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 13 (1844). Type citation: "In colonia Swan River legit Jac. Drummond, n. 292!". *Syntypes*: Swan River, W.A., J. Drummond 292 (BM, G, K, MEL, OXF, P, PERTH 00765252, W).

Note. Although the BM specimen of this collection was examined by Maslin some years ago, no record was made as to who provided the annotations on the sheet. We have therefore refrained from selecting a lectotype. This, however, does not affect the application of the name because all syntypes examined represent the same taxon. The name *A. meisneri* var. *angustifolia* will therefore be treated as a synonym of *A. meisneri* Lehm. ex Meissner in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia microneura Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 19 (1844). Type citation: "In region. interior. Australiae merid.-occid. m. Febr. 1841. Herb. Preiss. 942." *Lectotype* (here selected): In regionibus interioribus Austr. merid.-occid., Feb. 1841, legit. L. Preiss 942 (LD); *isolectotypes*: MEL, NY, PERTH 01007211 (fragment ex MEL).

Acacia myriobotrya Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 15 (1844). Type citation: "Swan River (Drummond n. 286!)". *Syntypes*: Swan River, W.A., J. Drummond 286 (A, BM, E, G, K, NY, OXF, P, W).

Note. The NY syntype of *A. myriobotrya* is annotated by Meissner and, although the BM specimen of this collection was examined by Maslin some years ago, no record was made as to who provided the annotations on the sheet. We therefore have refrained from selecting a lectotype for *A. myriobotrya*. All syntypes examined to date represent *A. microbotrya* Benth. under which name *A. daphnifolia* will be treated in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia myrtifolia* var. *major Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 203 (1848). Type citation: "In rupestribus promontorii Cape Riche. Herb. Preiss. No. 2641." *Type*: not seen.

Note. Although this type has not been located, the name will be treated as a synonym of *A. myrtifolia* (Sm.) Willd. in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia neurocarpa* var. *glabrata Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 204 (1848). Type citation: "In rupestribus promontorii Cape Riche et montis Baldhead [Cape Riche and Bald Head, the latter near Albany] Nov. 1840. cum fl. et fr. Herb. Preiss. No. 2642." *Type*: not seen.

Note. This type has not been located at B, FI, G, LD, NY, PR or W, and as the original description is very brief and uninformative the application of this name is uncertain. It therefore will be treated as a Doubtful Name in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia nigricans var. **subracemosa** Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 204 (1848). Type citation: "Swan River, Drummond. coll. II. No. 157." *Holotype*: Ad fluv. Cygnorum [Swan River, W.A.], *J. Drummond* 97 (BM, sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877."); *isotypes*: G, G-DC, K, LD, MEL, OXF, P.

Note. The BM holotype is annotated by Meissner but the LD isotype is not. This name was treated as a synonym of *A. gilbertii* Meissner in Maslin (1975).

Acacia obovata var. **minor** Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 8 (1844). Type citation: "In glareosis inter frutices montis Greenmountain (York) [Greenmount, E of Guildford, 31° 54'S, 116° 03'E] d. 26. Apr. 1840. florens, Herb. Preiss. No. 931." *Lectotype* (here selected): In glareosis inter frutices montis Greenmountain (York), 26 Apr. 1840, legit. *L. Preiss* 931 (NY); *isolectotypes*: C, LD, M, MEL, MO, NAP, P, RO.

Note. Although Meissner has annotated both the NY and LD sheets as '*obovata*', only on the former has he included the varietal name. The name *A. obovata* var. *minor* will be treated as a synonym of *A. obovata* Benth. in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia obscura var. **canescens** Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 20 (1844). Type citation: "Ad sinum Regis Georgii III [Albany]. absque florib. Herb. Preiss. No. 910." *Lectotype* (here selected): Ad sinum regis Georgii III, legit. *L. Preiss* 910 (LD); *isolectotype*: NY.

Note. This name will be treated as a synonym of *A. luteola* Maslin in Maslin (1975).

Acacia obscura var. **preissiana** Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 20 (1844). Type citation: "In region. interior. Australiae merid.-occid. m. Oct. 1840. Herb. Preiss. No. 885." *Lectotype* (here selected): In regionibus interioribus Australiae meridionali-occid., Oct. 1840, legit. *L. Preiss* 885 (NY); *isolectotypes*: G-DC, K, LD, MEL, P, PERTH 01041096 (fragment ex MEL).

Note. Although the NY specimen is less complete than the one at LD, there is no direct evidence that Meissner examined the latter; thus we have selected the NY specimen, which was annotated by him, as the lectotype. The name *A. obscura* var. *preissiana* was treated as the basionym of *A. preissiana* (Meissner) Maslin in Maslin (1975).

Acacia pulchella var. **glaberrima** Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 22 (1844). Type citation: "In arenosis sylvae ad fl. Cygnorum [Swan R.], Herb. Preiss. No. 884 et 907. (Drummond n. 310.)" *Lectotype* (see note below): In arenosis sylvae ad fluvium Cygnorum, without date, legit. *L. Preiss* 884 (NY); *isolectotypes*: C, FI, G-DC, GOET, HBG, K, LD, M, MEL, MO, NAP, P, PERTH 01066536 (fragment ex MEL), STR, W. *Paralectotype 1*: Swan R., *J. Drummond* 310 (G, G-DC, K, MEL, OXF, W). *Paralectotype 2*: In Australia occidentali, without date, legit. *L. Preiss* 907 (LD).

Note. Because *A. pulchella* var. *glaberrima* was based on three collections representing two taxa, Maslin (1975) restricted the application of the name to the entity represented by *Preiss* 884, but no single specimen was nominated as the lectotype. We therefore select the *Preiss* 884 specimen at NY

as the lectotype; this collection is represented by duplicates in many herbaria. Although Meissner has annotated both the NY and LD sheets of *Preiss* 884 as '*pulchella*', neither bears the varietal epithet. *Preiss* 907, the second paralectotype, represents *A. pulchella* var. *goadbyi* (Domin) Maslin.

Acacia pulchella* var. *hispidula Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 22 (1844). Type citation: "In limoso-calculosis sylvae inter Mahogany creek [i.e. Mahogany Creek, 31° 54'S, 116° 08'E] et Halfwayhouse [i.e. Halfway House, 31° 54'S, 116° 20'E] (Darling's-range) d. 13. Sept. 1839. Herb. Preiss. No. 908 [number incorrect, should be 890] (Drummond n. 309, 311!)." *Lectotype* (here selected): In limoso-calculosis sylvae inter 'Mahoganicreek' et 'Halfwayhouse' (Darling's-range), 13 Sept. 1839, legit. *L. Preiss* 890 (LD); *isolectotypes*: C, GOET, G-DC, L, M, MEL, MO, P, RO (*sphalm.* '594'), STR, TCD (*sphalm.* '594'), W. *Paralectotype 1*: Ad fluv. Cygnorum [Swan River, W.A.], *Drummond* 309 (BM - sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877.", G, G-DC, K, MEL, OXF, P, W). *Paralectotype 2*: Ad fluv. Cygnorum [Swan River, W.A.], *Drummond* 311 (BM - sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877.", E, G-DC, K, MEL, OXF, P, PERTH 01111388 - fragment ex MEL, W).

Note. The *Preiss* lectotype at LD and the *Drummond* paralectotypes at BM are all annotated by Meissner. Variety *hispidula* was treated as a synonym of *A. pulchella* R. Br. var. *pulchella* in Maslin (1975).

Acacia restiacea* var. *scoparia Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 3 (1844). Type citation: "In rupestribus ad latus occidentale montis Currie (York) d. 10 Apr. 1840, fructifer Herb. Preiss. No. 972." *Lectotype* (here selected): In rupestribus ad latus occid. M¹⁸ 'Currie' [an unknown locality, probably on the property once owned by M. Currie], (York), 10 Apr. 1840, legit. *L. Preiss* 972 (NY); *isolectotypes*: G, LD, MEL, P.

Note. This name will be treated as a synonym of *A. restiacea* Benth. in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia retrorsa Meissner, Bot. Zeitung (Berlin) 13: 10 (1855). Type citation: "Drumm. Coll. VI. n. 4." *Syntypes*: between Moore and Murchison Rivers, W.A., *J. Drummond* coll. 6, no. 4 (BM, CGE, K, LD -*sphalm.* 'coll. 3', OXF, P, PERTH 02786338 - fragment but origin unknown, W).

Note. Because the BM specimen of *Drummond* 6: 4 has not been annotated by Meissner and because we did not record who annotated all the other specimens cited above, we have refrained from selecting a lectotype for *A. retrorsa*. This does not affect the application of the name because all syntypes examined represent the same taxon.

Acacia scalpelliformis Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 200 (1848). Type citation: "In colonia ad flum. Cygnorum [Swan River, W.A.] legit Drummond. coll. II. No. 161." *Holotype*: Ad fluv. Cygnorum, *Drummond* 161 (BM, sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877."); *isotypes*: G, NSW, OXF, P, PERTH 00771627 (fragment ex MEL), W.

Note. The herb. Shuttleworth specimen is accepted as the holotype because it is the only specimen we have seen that has been annotated by Meissner.

Acacia scirpifolia Meissner, Bot. Zeitung (Berlin) 13: 10 (1855). Type citation: "Drumm. Coll. VI. n. 5." *Holotype*: Nov. Holl. australi - occid. inter flum. Moore et Murchison [between Moore and

Murchison Rivers, W.A.), *J. Drummond* coll. VI, n. 5, comm. Shuttleworth (NY); *isotypes*: BM, CGE, G, K, LD (*sphalm.* 'coll. 3'), MEL, OXF, P, PERTH 02786354, W.

Note. The only specimen we have seen of *Drummond* 6: 5 annotated by Meissner is at NY and it is therefore regarded as the holotype.

Acacia shuttleworthii Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 7 (1844). Type citation: "Swan River. (Drummond n. 294! in Herb. Shuttleworth.)" *Holotype*: Ad fluv. Cygnorum [Swan River, W.A.], *Drummond* 294 (BM - sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877."); *isotypes*: G, K, NSW, OXF, P, PERTH 00731269 (fragment ex MEL), W.

Note. There were no specimens of *Drummond* 294 located at herb. NY.

Acacia stereophylla Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 203 (1848). Type citation: "Swan River, Drummond. coll. II. No. 100." *Holotype*: Ad fluv. Cygnorum [Swan River, W.A.], *Drummond* 100 (BM, sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877."); *isotypes*: CGE, MEL, OXF, P, PERTH 00772674 (fragment ex MEL), W.

Note. The holotype is the only specimen seen which has been annotated by Meissner. *Acacia stereophylla* will be treated as comprising two subspecies in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia strigosa* var. *brevifolia Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 20 (1844). Type citation: "In solo turfaceo-arenoso ad Stirling's terrace [i.e. Albany townsite] (Plantagenet) d. 22. Nov. 1840. Herb. Preiss. No. 902." *Syntypes*: ad Stirling's terrace, W.A., 22 Nov. 1840, *L. Preiss* 902 (C, FI, G-DC, GOET, HBG, K, L, LD, M, MEL, NAP, P, PERTH 01036920 - fragment ex MEL, STR, W).

Note. The LD syntype of this name is not annotated by Meissner and we have no record of a syntype at herb. NY. Although *Preiss* 902 has been seen in numerous herbaria, no record was made as to who provided the annotations on these sheets. As the application of this name is not in doubt (all syntypes represent the same taxon, namely, *A. browniana* H. Wendl. var. *browniana*, *fide* Maslin 1975) we have refrained from selecting a lectotype pending a search for material annotated by Meissner.

Acacia subbinervia Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 16 (1844). Type citation: "In colliculis arenosis insulae Rotenest, d. 20. Aug. 1839. Herb. Preiss. No. 924. (Drummond n. 285!)" *Lectotype* (here selected): Rotenest [Rottnest] Is., W.A., 20 Aug. 1839, *L. Preiss* 924 (LD); *isolectotypes*: C, G, GOET, HBG, L, M, NAP, NSW, P, STR, W). *Paralectotype*: Ad fluv. Cygnorum [Swan River, W.A.], *Drummond* 285 (BM - sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877.", G, K, P, W).

Note. The name *A. subbinervia* was treated as a synonym of *A. rostellifera* Benth. in Chapman & Maslin (1992).

Acacia subfalcata Meissner, Bot. Zeitung (Berlin) 13: 11 (1855). Type citation: "Drumm. Coll. VI. n. 1." *Syntypes*: between Moore and Murchison rivers W.A., *J. Drummond* 6: 1 (BM, CGE, K, LD - *sphalm.* 'coll. 3', MEL, OXF, P, PERTH 02786311 - fragment ex MEL, W).

Note. Because the BM specimen of *Drummond* 6: 1 has not been annotated by Meissner and because we did not record who annotated all the other specimens cited above, we have refrained from selecting

a lectotype for *A. subfalcata*. All syntypes examined to date represent *A. microbotrya* Benth. under which name *A. daphnifolia* will be treated in the forthcoming "Flora of Australia" account of *Acacia*.

Acacia tetragonocarpa Meissner in J.G.C. Lehmann, Pl. Preiss. 1: 4 (1844). Type citation: "In solo subturfoso-arenoso prope villam b. Spencer [i.e. Strawberry Hill farm, Albany] (Plantagenet) d. 8. Dec. 1840. Herb. Preiss. No. 866." *Lectotype* (here selected): In solo subturfoso-arenoso prope villam b. Spencer (Plantagenet), 8 Dec. 1840, legit. L. Preiss 866 (LD); *isolectotypes*: G, NY, P, W.

Acacia trigonophylla Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 199 (1848). Type citation: "Swan River, Drummond. coll. II. No. 144." *Syntypes*: Swan River, W.A., J. Drummond 2: 144 (BM, CGE, E, G, G-DC, LD, MEL, NSW, P, PERTH 01116657, W).

Note. A number of syntypes of this name have been examined, including the one at BM; however, no record was made as to who provided the annotations on the BM sheet. We have therefore refrained from selecting a lectotype for *A. trigonophylla*. This does not affect the application of the name because all syntypes examined represent the one taxon.

Acacia ulicina Meissner in J.G.C. Lehmann, Pl. Preiss. 2: 202 (1848). Type citation: "Swan River, Drummond. coll. II. No. 147." *Holotype*: Ad fluv. Cygnorum [Swan River, W.A.], Drummond 147 (BM, sheet labelled "HERB. R.J. SHUTTLEWORTH.-Recd. 1877."); *isotypes*: G, K, LD, MEL, OXF, P, PERTH 02484498.

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