



## SHORT COMMUNICATION

**Validation of four new combinations in *Eucalyptus* (Myrtaceae) from south-western Western Australia**Dean Nicolle<sup>a</sup> & Malcolm E. French<sup>b</sup><sup>a</sup> Currency Creek Arboretum, PO Box 808, Melrose Park, South Australia 5039  
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Four new combinations were proposed in French & Nicolle (2019) for *Eucalyptus* taxa from the south-west region of Western Australia, but these did not meet the requirements for valid publication under Article 41.5 of the *International Code of Nomenclature for algae, fungi, and plants* (Turland *et al.* 2018), because a full and direct reference to the place of publication for each intended basionym was not provided. In the book, for each new combination, the intended basionym and a bibliographic citation of the work in which it was published was given, but the *References* list provided only the pagination of that whole publication, not the specific page on which the basionym was published. These new combinations, based on names published by Brooker (1986) and Brooker & Hopper (1991), are validated here.

***Eucalyptus improcera* (Brooker & Hopper) D.Nicolle & M.E.French, *comb. et stat. nov.***

*Eucalyptus densa* subsp. *improcera* Brooker & Hopper, *Nuytsia* 8(1): 154 (1991). — **Holotype:** 7.2 km W along Aerodrome Road from Lake King–Ravensthorpe road [Newdegate–Ravensthorpe Road], Western Australia, 19 May 1987, *M.I.H.Brooker 9646* & *P.Grayling* (PERTH). **Isotypes:** AD, CANB, MEL, NSW.

*Eucalyptus improcera* D.Nicolle & M.E.French, *Eucalypts W. Austral. S.W. Coast & Ranges* 140, *nom. inval.*

Detailed description, notes and illustrations for this species are provided in French & Nicolle (2019: 140–141).

***Eucalyptus redunca* subsp. *pluricaulis* (Brooker & Hopper) D.Nicolle & M.E.French, *comb. et stat. nov.***

*Eucalyptus pluricaulis* Brooker & Hopper, *Nuytsia* 8(1): 155 (1991). — **Holotype:** Depression W of intersection of Mudge Rd and Coorow–Greenhead Road, Western Australia, 21 May 1982, *M.I.H.Brooker 7522* (CANB). **Isotypes:** CANB, NSW.

*Eucalyptus redunca* subsp. *pluricaulis* M.E.French & D.Nicolle, *Eucalypts W. Austral. S.W. Coast & Ranges* 146, *nom. inval.*

Detailed description, notes and illustrations for this subspecies are provided in French & Nicolle (2019: 146–147).

***Eucalyptus redunca* subsp. *porphyrea* (Brooker & Hopper) D.Nicolle & M.E.French, *comb. nov.***

*Eucalyptus pluricaulis* subsp. *porphyrea* Brooker & Hopper, *Nuytsia* 8(1): 161 (1991). — **Holotype:** 57.8 km south of Jerramungup on Albany road [South Coast Highway], Western Australia, 10 Apr. 1983, *M.I.H.Brooker 8082* (PERTH). **Isotypes:** CANB, NSW.

*Eucalyptus redunca* subsp. *porphyrea* M.E.French & D.Nicolle, *Eucalypts W. Austral. S.W. Coast & Ranges* 144, *nom. inval.*

Detailed description, notes and illustrations for this subspecies are provided in French & Nicolle (2019: 144–145).

***Eucalyptus redunca* Schauer subsp. *redunca***

The present publication also establishes the autonym *Eucalyptus redunca* Schauer subsp. *redunca*. Detailed description, notes and illustrations for this subspecies are provided in French & Nicolle (2019: 142–143).

***Eucalyptus virella* (Brooker) D.Nicolle & M.E.French, *comb. et stat. nov.***

*Eucalyptus celastroides* subsp. *virella* Brooker, *Nuytsia* 5(3): 359 (1986). — **Holotype:** 13.2 km north-east of Calingiri on Wongan Hills road, Western Australia, 28 Aug. 1983, *M.I.H.Brooker 8283* (holo: PERTH). **Isotypes:** AD, BRI, CANB, K, MEL, NSW.

*Eucalyptus virella* D.Nicolle & M.E.French, *Eucalypts W. Austral. S.W. Coast & Ranges* 224, *nom. inval.*

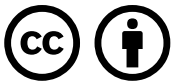
Detailed description, notes and illustrations for this species are provided in French & Nicolle (2019: 224–225).

## Acknowledgements

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## References

- Brooker, M.I.H. (1986). New species and subspecies of the informal “*Eucalyptus* series *Calycogonae*” Pryor & Johnson (*Eucalyptus* series *Aridae* Blakely - Myrtaceae). *Nuytsia* 5: 357–371.
- Brooker, M.I.H. & Hopper, S.D. (1991). A taxonomic revision of *Eucalyptus wandoo*, *E. redunca* and allied species (*E.* series *Levispermae* Maiden - Myrtaceae) in Western Australia. *Nuytsia* 8: 1–189.
- French, M.E. & Nicolle, D. (2019). *Eucalypts of Western Australia: The South-West Coast and Ranges*. (M.French: Perth.)
- Turland, N.J., Wiersema, J.H., Barrie, F.R., Greuter, W., Hawksworth, D.L., Herendeen, P.S., Knapp, S., Kusber, W.-H., Li, D.-Z., Marhold, K., May, T.W., McNeill, J., Monro, A.M., Prado, J., Price, M.J., Smith, G.F. (eds) (2018). *International Code of Nomenclature for algae, fungi, and plants (Shenzhen Code) adopted by the Nineteenth International Botanical Congress, Shenzhen, China, July 2017*. (Koeltz Botanical Books: Glashütten, Germany). [*Regnum Vegetabile* 159].



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