ALIGNMENT of WESTERN AUSTRALIAN DIURIS AND PTEROSTYLIS NAMES (updated March 2019)

Andrew Brown

The following table contains a comparative list of Western Australian *Diuris* and *Pterostylis* names used in *Orchids of Western Australia* 2008, *Orchids of South – West Australia* 3RD *Edition* 2011 and *Field Guide to the Orchids of Western Australia* 2013, along with nomenclatural changes that have occurred since then. For earlier books you can refer to *A Compilation of Western Australian Orchid Names* by Noel Clarke.

The object of this exercise is to align the phrase names in these three publications with formal names published in recent taxonomic papers. Please note that most, but not all, currently recognized (described and undescribed) Western Australian *Diuris* and *Pterostylis* are included. There are other taxa that may be considered worthy of recognition but have not been included until further research is conducted to confirm their distinctiveness.

Phrase names are added and removed for taxa as new information comes to hand and should not be thought of as the final view of taxonomists. Rather, these should be thought of as current tentative thinking that may change following additional taxonomic study. Note: a number of phrase names used in *Orchids of Western Australia* and *Orchids of South – West Australia* were changed in *Field Guide to the Orchids of Western Australia* to align with the official Western Australian Herbarium phrase names.

Given that phrase names are a work in progress, some may think that we should not be promoting their use and they should not be included in popular books. However, I think it is worthwhile putting them out to the wider audience so that their distinctiveness can be debated. Having a large group of knowledgeable people looking for (and at) these taxa provides additional information based on firsthand experience in the field, that may not otherwise have been obtained. If and when the taxon is formally described it will be done on a more informed basis.

As I am sure you are aware, the naming plants is an evolving process and there will be further changes as new information comes to light.

Acknowledgements

I would like to take this opportunity to thank Noel Clarke who originally came up with the idea that has led to the development of this comparative list.

Orchids of Western Australia 2008	Orchids of South-West Australia 2011	Field Guide to the Orchids of Western Australia 2013	Notes
Diuris (donkey orchid complex)			
D. amplissima	D. amplissima	D. amplissima	
D. brumalis	D. brumalis	D. brumalis	
D. conspicillata	D. conspicillata	D. conspicillata	
D. corymbosa	D. corymbosa	D. corymbosa	
D. longifolia	D. longifolia	D. longifolia	
D. magnifica	D. magnifica	D. magnifica	
D. porrifolia	D. porrifolia	D. sp. 'western wheatbelt' = D. brachyscapa	The orchid illustrated as <i>D. porrifolia</i> in Brown et al 2008 and Hoffman and Brown 2011 is now considered distinct from that species and was Named <i>D. brachyscapa</i> in 2016. For true <i>D. porrifolia</i> see notes for <i>D.</i> sp. 'slender'
D. pulchella	D. pulchella	D. pulchella	
D. recurva	Diuris recurva	D. recurva	
D. sp. 'Arrowsmith'	D. sp. 'Arrowsmith'	D. sp. 'Eneabba' = D. tinkeri	Named <i>D. tinkeri</i> in 2013
D. sp. 'Darling Range'	D. sp. 'Darling Range'	D. sp. 'Darling Scarp' = D. ostrina	Named <i>D. ostrina</i> in 2016
D. sp. 'Dunsborough'	D. sp. 'Dunsborough'	D. sp. 'Dunsborough' = D. jonesii	Named <i>D. jonesii</i> in 2013
D. sp. 'Esperance coast'	D. sp. 'Esperance Coast'	D. pulchella	The species previously known as <i>D.</i> sp. 'Esperance Coast' is now considered a form of <i>D. pulchella</i>
D. sp. 'northern granite'	D. sp. 'northern granite'	D. sp. 'eastern wheatbelt' = D. hazeliae	Named <i>D. hazeliae</i> in 2013
D. sp. 'sandplain	D. sp. 'sandplain. Photo = Diuris jonesii	D. sp. 'Yalgorup' = D. porphyrochila	In the formal description of <i>Diuris jonesii</i> (AOR December 2013) the authors regarded the species listed as <i>D.</i> sp. 'sandplain' in Hoffman and Brown 2011 as synonymous with <i>D. jonesii</i> . However, this is likely due to the incorrect photo being used in the 2011 edition. Previous editions of the book have the correct photo of <i>D.</i> sp. 'sandplain' which differs from <i>D. jonesii</i> in having smaller flowers. <i>Diuris</i> sp. 'sandplain in earlier editions of Hoffman and Brown and in Brown et al 2008 is now thought to be synonymous with <i>D.</i> sp. 'Yalgorup'. Named <i>D. porphyrochila</i> in 2016
D. sp. 'Scaddan'			Not included in later works but thought distinct. Possibly also seen at Pallarup Rocks.
D. sp. 'slender'	D. sp. 'slender'	D. porrifolia	The species previously known as <i>D</i> . sp. 'slender' is now considered to be true <i>D. porrifolia</i>
D. sp. 'south coast'	D. sp. 'south coast'	D. sp. 'south coast'	A very early May-July flowering species
D. sp. 'Three Springs'	D. sp. 'Three Springs'	D. sp. 'mid north' = D. pallescens	Named <i>D. pallescens</i> in 2016. Note: the description in Hoffman and Brown 2011 matches <i>D. pallescens</i> but the picture is likely to represent <i>D. refracta</i>
D. sp. Tondirrup'			Not included in later works but thought distinct
D. sp. 'Watheroo'			Possibly a form of <i>Diuris refracta</i>
D. sp. 'Williams'			Not included in later works and may be small form of <i>D. porrifolia</i>
		D. perialla	Split from <i>D. brumalis</i>
		D. sp. 'Green Range' = D. littoralis	Named <i>D. littoralis</i> in 2016

Orchids of Western Australia 2008	Orchids of South-West Australia 2011	Field Guide to the Orchids of Western Australia 2013	Notes
Diuris (donkey orchid co	mplex cont.)		
		D. sp. 'Kemerton' = D. cruenta	Named <i>D. cruenta</i> in 2016
		D. sp. 'Murchison River' = D. carecta	Named <i>D. carecta</i> in 2016
		D. sp. 'north western wheatbelt' = D. refracta	Named <i>D. refracta</i> in 2013
		D. sp. 'Perth swamps' = D. brevis	Named <i>D. brevis</i> in 2016
		D. sp. 'sandplain' = D. tinctoria	This is a different species to that with the same phrase name in Hoffman and Brown 2011 and Brown et al 2008 (see notes above). Named <i>D. tinctoria</i> in 2016
		D. sp. 'Wyalkatchem' = D. suffusa	Named D. suffusa in 2016
		D. sp. 'Zuytdorp Cliffs' = D. oraria	Named <i>D. oraria</i> in 2016
Diuris (bee orchid comp	lex)		
D. carinata	D. carinata	D. carinata	
D. concinna	D. concinna	D. concinna	
D. drummondii	D. drummondii	D. drummondii	See notes for <i>D. emarginata</i> . If merged the earlier name <i>emarginata</i> would take precedence
D. eburnea	D. eburnea	D. eburnea	
D. emarginata	D. emarginata	D. emarginata	Apart from a shorter inflorescence and slightly smaller flowers there is little difference between <i>D. emarginata</i> and <i>D. drummondii</i>
D. filifolia	D. filifolia	D. filifolia	Although thought to be distinct this species has not been seen for many years
D. heberlei	D. heberlei	D. heberlei	
D. immaculata	D. immaculata	D. immaculata	
D. laxiflora	D. laxiflora	D. decrementa	The species was considered to be a form of <i>D. laxiflora</i> in Hoffman & Brown 2011 and Brown et al 2008 but is now considered distinct. Named <i>D. decrementa</i> in 2013
D. micrantha	D. micrantha	D. micrantha	
D. pauciflora	D. pauciflora	D. pauciflora	
D. picta	D. picta	D. picta	
D. setacea	D. setacea	D. setacea	
D. sp. 'Augusta'	D. sp. 'Augusta'	D. sp. 'Augusta'	
<i>D.</i> sp. 'Brookton Highway'	<i>D.</i> sp. 'Brookton Highway'	D. laxiflora	Now known to be the true <i>D. laxiflora</i>
D. sp. 'Canning Vale'	D. sp. 'Canning Vale'	D. laxiflora	Now considered a form of <i>D. laxiflora</i>
D. sp. 'granite'	D. sp. 'granite'	D. laxiflora	Now considered a form of <i>D. laxiflora</i>
D. sp. 'Muir Highway'	D. sp. 'Muir Highway'	D. insignis	Named D. insignis in 2013
D. sp. 'Northampton'	D. sp. 'Northampton'	D. segregata	Named D. segregata in 2013
D. sp. 'northern'	D. sp. 'northern'	D. septentrionalis	Named D. septentrionalis in 2013
Diuris (nanny goat comp	olex)		
D. laevis	D. laevis	D. laevis	
D. purdiei	D. purdiei	D. purdiei	

Orchids of Western Australia 2008	Orchids of South-West Australia 2011	Field Guide to the Orchids of Western Australia 2013	Notes
Pterostylis (snail orchid o	omplex)		
P. dilatata	P. dilatata	P. dilatata	
P. pyramidalis	P. pyramidalis	P. pyramidalis	
P. sp. 'bloated snail'			Not included in later books. May be a broad flowered form of <i>P</i> . sp. 'crinkled leaf'
P. sp. 'brittle'	P. timothyi	P. timothyi	Named as a species of <i>Linguella</i> in 2006 and placed in <i>Pterostylis</i> in 2010. Note: the Illustration in Brown et al 2008 and photo in Hoffman and Brown 2011 is probably the closely related <i>P. parva</i>
P. sp. 'broad petals'	P. sp. 'broad petals'	P. sp. 'broad petals' = P. platypetala	Named <i>P. platypetala</i> in 2015
P. sp. 'clubbed'	P. sp. 'clubbed'	P. sp. 'clubbed snail orchid' = P. glebosa	Named <i>P. glebosa</i> in 2013
P. sp. 'coastal snail' = P. voigtii		P. sp. 'coastal snail'	The species illustrated in Brown <i>et al</i> 2008 as <i>P</i> . sp. 'coastal snail' is now considered a form of <i>P. voigtii</i> . <i>P</i> . sp. 'coastal snail' in Brown <i>et al</i> 2013 has a more bloated flower
P. sp. 'Esperance Granite'		P. sp. 'miniature' = P. voigtii	Named <i>P. voigtii</i> in 2015
P. sp. 'fawn'		P. sp. 'small stature' = P. parva	Named <i>P. parva</i> in 2015
P. sp. 'Fitzgerald'		P. sp. 'Ravensthorpe' = P. macrophylla	Named <i>P. macrophylla</i> in 2019
P. sp. giant	P. sp. 'giant'	P. sp. 'giant' = P. brunneola	Named <i>P. brunneola</i> in 2014
P. sp. 'hairy'	P. sp. 'hairy'	P. sp. 'inland' = P. setulosa	Named <i>P. setulosa</i> in 2019
P. sp. 'karri'		P. sp. 'karri forest' = P. karri	Named P. karri in 2014
P. sp. 'limestone'	P. sp. 'limestone'		P. sp. 'limestone' was merged with P. sp. 'Helena River' in 2018 based on similar morphology. However, this has not been generally accepted as populations are isolated from one another and occur in different habitat.
	P. sp. 'Helena River'	P. sp. 'Helena River' = P. angulata	Named <i>P. angulata</i> in 2018
P. sp. 'short sepals'	P. sp. 'short sepals'	P. sp. 'short sepals = P. brevisepala	Occurs over a narrow geographic range between Perth and Yanchep. Named <i>P. brevisepala</i> in 2019
P. sp. 'slender'		P. sp. 'crinkled leaf' = P. crispula	P. sp. 'slender' was split into two taxa P. sp. 'crinkled leaf' and P. sp. 'skinny' Pterostylis sp. 'crinkled leaf' was named D. crispula in 2019
		P. sp. 'skinny'	
P. sp. 'swamps'		P. sp. 'small rosette' = P. microphylla	Named <i>P. microphylla</i> in 2015
P. sp. 'Walpole'			Not included in later books
P. sp. 'yellow'	P. sp. 'Millers Point'	P. sp. 'south coast clubbed sepals' = P. lortensis	Plants illustrated in Brown et al 2008 and Hoffman and Brown 2011 are now considered synonymous with <i>P.</i> sp. 'south coast clubbed sepals'. Named <i>P. lortensis</i> in 2014
		P. sp. 'Cape Arid' = P. telmata	Named P. telmata in 2014
		P. sp. 'Cape Le Grand' = P. meridionalis	Named <i>P. meridionalis</i> in 2018

Orchids of Western Australia 2008	Orchids of South-West Australia 2011	Field Guide to the Orchids of Western Australia 2013	Notes
Pterostylis (snail orchid	d complex cont.)		
		P. sp. 'elegant snail orchid' = P. scitula	Named <i>P. scitula</i> in 2015
		P. sp. 'fine sepals'	
		P. sp. 'granite' = P. jacksonii	Named P. jacksonii in 2014
		P. sp. 'hairy leaf' = P. echinulata	Named <i>P. echinulata</i> in 2014
		P. sp. 'late flowering' = P. glebosa	Now considered a southern form of <i>P. glebosa</i>
		P. sp. 'long sepals' = P. gracillima	Named <i>P. gracillima</i> in 2019
		P. sp. 'red flowered' = P. erubescens	Named P. erubescens in 2014
		P. sp. 'robust'	
		P. sp. 'southern granites'	
		P. sp. 'cauline leaves' and P. sp. 'northern thick sepals' = P. ectypha	Named <i>P. ectypha</i> in 2018. Note: <i>P.</i> sp. 'cauline leaves' and <i>P.</i> sp. 'northern thick sepals' are now considered synonymous
		P. sp. 'Chudalup' = P. tylosa	Named <i>P. tylosa</i> in 2019
		P. sp. 'coastal clubbed sepals' = P. aktites	Named <i>P. aktites</i> in 2019
			The following recently named taxa are not included in the above books
			P. scabrella Named in 2019 from specimens collected at Little Grove, Albany in October 1986
			P. saxa Named in 2019 from specimens collected at Castle Rock, Porongurup in October 1988
Pterostylis (bird orchid	complex)		
P. barbata	P. barbata	P. barbata	
P. turfosa	P. turfosa	P. turfosa	
P. sp. 'bloated'	P. sp. 'bloated'	P. sp. 'bloated'	
P. sp. 'Boyup'	P. sp. 'Boyup'	P. sp. 'Boyup'	
P. sp. 'dwarf'	P. sp. 'dwarf'	P. sp. 'dwarf' = P. galgula	Named <i>P. galgula</i> in 2018
P. sp. 'Esperence'	P. sp. 'Esperence'	P. sp. 'Esperence'	No longer considered distinct from P. turfosa
P. sp. 'late'	P. sp. 'late'	P. sp. 'The Knoll' = P. serotina	Named P. serotina in 2018
P. sp. 'long beak'	P. sp. 'long beak'	P. sp. 'Gull Rock'	Named Pterostylis heberlei in 2017
P. sp. 'plumed'	P. sp. 'plumed'	P. sp. 'plumed' = P. faceta	Named <i>P. faceta</i> in 2018
		P. sp. 'granite bird' = P. saxosa	Named <i>P. saxosa</i> in 2018
		P. sp. 'Greenbushes' = P. sigmoidea	Named <i>P. sigmoidea</i> in 2018
		P. sp. 'Mehinup' = P. precatoria	Named <i>P. precatoria</i> in 2018
		P. sp. 'Muirs Highway' = P. longicornis	Named <i>P. longicornis</i> in 2018
		P. sp. 'sparse'	

Orchids of Western Australia 2008	Orchids of South-West Australia 2011	Field Guide to the Orchids of Western Australia 2013	Notes
Pterostylis (rufus greenh	ood complex)		
P. ciliata	P. ciliata	P. ciliata	
P. frenchii	P. frenchii	P. frenchii	
P. insectifera	P. insectifera	P. insectifera	
P. leptochila	P. leptochila	P. leptochila	
P. macrocalymma	P. macrocalymma	P. macrocalymma	
P. picta	P. picta	P. picta	
P. roensis	P. roensis	P. roensis	
P. spathulata	P. spathulata	P. spathulata	
P. platypus ms	P. platypus ms	P. sp. 'Ongerup' = P. perculta	Named <i>P. perculta</i> in 2015
P. sp. "Eyre'			Not included in later works but considered distinct
P. sp. 'Arrowsmith'	P. sp. 'Arrowsmith'	P. sp. 'exserted labellum' = P. exserta	Named <i>P. exserta</i> in 2015
P. sp. 'chocolate'			Not included in later works but thought distinct
P. sp. 'dainty brown'	P. sp. 'dainty brown'	P. sp. 'dainty brown' = P. tryphera	P sp. 'dainty brown' and P. sp. 'dainty green' are now considered to be colour forms of the same taxon. Named P. tryphera in 2017
P. sp. 'dainty green'		P. sp. 'dainty green' = P. tryphera	See note above. Now considered a form of <i>P. tryphera</i>
P. sp. 'eastern'		= P. tryphera	Not included in later works. Now considered a form of <i>P. tryphera</i>
P. sp. 'elegant'	P. sp. 'elegant'	P. sp. 'elegant' = P. elegantissma	Named P. elegantissma in 2014
P. sp. 'greasy'	P. sp. 'greasy'	P. sp. 'greasy'	Possibly a form of <i>P. roensis</i>
P. sp. 'green flowers'	P. sp. 'green flowers'	P. sp. 'green flowers' = P. virens	Named <i>P. virens</i> in 2017
P. sp. 'large fawn'		P. sp. 'large fawn'	
P. sp. 'Murchison'		P. sp. 'Murchison'	
P. sp. 'northwest'	P. sp. 'northwest'	= P. tryphera	Now considered a form of <i>P.</i> sp. 'dainty brown' Named <i>P. tryphera</i> in 2017
P. sp. 'Paynes Find'		P. sp. 'Paynes Find'	
P. sp. 'slender rufa'	P. sp. 'slender rufa'	P. sp. 'slender rufa' = P. macrosceles	Named <i>P. macrosceles</i> in 2015
P. sp. 'straight tops'		P. sp. 'straight tops'	Possibly a form of P. spathulata
P. sp. 'striped'	P. sp. 'striped'	P. sp. 'striped' = P. zebrina	Named <i>P. zebrina</i> in 2015
			The following recently named taxa are not included in the above books
			P. fuliginosa Named in 2017 from specimens collected at Peak Charles in October 1988
			P. eremaea Named in 2017 from specimens collected along Damboring West Road in October 1991
			P. hadra Named in 2015 from specimens collected from the Pootenup area in October 1993. Note: there are no specimens housed in the WA Herbarium
			P. xerampelina Named in 2017 from specimens collected at 50 Miles Rocks south of Widgiemooltha in October 1993. Note: there are currently no specimens housed in the WA Herbarium

Orchids of Western Australia 2008	Orchids of South-West Australia 2011	Field Guide to the Orchids of Western Australia 2013	Notes
Pterostylis (banded green	nhood complex)		
P. concava	P. concava	P. concava	
P. sanguinea	P. sanguinea	P. sanguinea	
	P. aff. sanguinea	P. sp. 'Eyre'	May be a form of <i>Urochilus arbusculus</i> .
P. sargentii	P. sargentii	P. sargentii	
P. vittata	P. vittata	P. vittata	
P. sp. 'coastal'	P. sp. 'coastal'	P. sp. 'coastal' = P. orbiculata?	Considered a form of <i>P. orbiculata</i> by Jones and French (2017) but warrants further investigation as it appears distinct
P. sp. 'crowded'	P. sp. 'crowded'	P. sp. 'crowded' = P. atrosanguinea	Named P. atrosanguinea in 2018
P. sp. 'Dongara'	P. sp. 'Dongara'	P. sp. 'northern'	
P. sp. 'grey bands'	P. sp. 'grey bands'		No longer considered distinct from P. vittata
P. sp. 'northern'	P. sp. 'northern'	P. sp. 'small bands' = P. orbiculata	Named <i>P. orbiculata</i> in 2018
			The following recently named taxa are not included in the above books
			P. arbuscula Named in 2018 from specimens collected along the Hyden-Lake King Road in June 2017.
			P. crebriflora Named in 2017 from specimens collected near Roleystone on the 17 July 2004
Pterostylis (shell orchid c	omplex)		
P. allantoidea	P. allantoidea	P. allantoidea	
P. angusta	P. angusta	P. angusta	
P. aspera	P. aspera	P. aspera	
P. hamiltonii	P. hamiltonii	P. hamiltonii	
P. rogersii	P. rogersii	P. rogersii	
P. scabra	P. scabra	P. scabra	
P. sp. 'dwarf shell'	P. sp. 'dwarf shell'	P. brevichila	Named P. brevichila in 2012
P. sp. 'Kalbarri'	P. sp. 'Kalbarri'	P. microglossa	Named P. microglossa in 2012
P. sp. 'robust'			No longer considered distinct from P. hamiltonii
Pterostylis (others)			
P. mutica	P. mutica	P. mutica	
P. recurva	P. recurva	P. recurva	
P. sp. "Northampton'	P. sinuata	P. sinuata	Named P. sinuata in 2010