

Orchid Research Newsletter No. 45 (January 2005)

Introduction

With a sigh of relief (and exhaustion), it is a pleasure to announce that volume 4 of *Genera Orchidacearum* will be submitted for publication to Oxford University Press at the end of January for publication in late 2005.

Three years in the making, this volume covers part 1 of subfamily Epidendroideae – 13 tribes (including the enormous Epidendreae) and 210 genera with 35 contributors from Europe and the Americas. Volume 4 will be almost as large in scope as the first three volumes combined.

Apart from the most recent DNA data used in generic circumscriptions, this volume will be special as it will illustrate genera rarely seen in line drawings and/or colour images. For all genera, we provide complete nomenclature, description, and distribution (with map) as well as what is known about anatomy, palynology, cytogenetics, phytochemistry, phylogenetics, ecology, pollination, uses, and cultivation where applicable. As specified clearly in the preface to the first volume, this series does not treat physiology, phytoalexins, tissue culture, mycorrhiza, etc., as they have been covered elsewhere. Rather, *Genera Orchidacearum* is principally a systematic treatment focusing on those disciplines that have been shown to have systematic utility.

It is equally clear to all contributors and to Dr. Robert L. Dressler himself, to whom the series is dedicated, that the vast body of knowledge on orchids including DNA data now far exceeds the synthetic capabilities of one individual. Bob Dressler has consistently shown that he welcomes new data and has never hesitated to modify his opinions in the light of, say, a new cladogram, nor has he ever failed to give credit to the work of others in revising his classification. Indeed, at the age of 77 he is still an inspiration to three generations of orchid scientists, all three of which are represented among the contributors to volume 4. Without Bob around to instill his spirit, write generic treatments, and offer advice, I simply cannot imagine where we would be. – **Alec Pridgeon**

News from Correspondents

We invite readers to send us changes of address (e-mail and snail mail), notice of recent publications, recently completed projects, current and future projects, and recent and future field trips for inclusion in this section of the *Orchid Research Newsletter*. Please send all news to Dr. David Roberts at d.roberts@kew.org

Upcoming Conferences

18th World Orchid Conference (11-20 March 2005)

Registration forms and hotel bookings for what promises to be a spectacular World Orchid Conference and Show in Dijon, France, are now online at <http://www.woc2005.org>. The provisional lecture programme has been recently added to the website. You may also download a .pdf file with complete information on all the social events, optional tours, and post-Conference tours. We urge those planning to attend to arrange for hotel rooms as soon as possible because they will be going fast.

First Scientific Conference on Andean Orchids (11-13 November 2005)

The First Scientific Conference on Andean Orchids, sponsored by Ecuagenera, Cia. Ltda., will be held 11-13 November 2005 in Gualaceo, Ecuador. The Conference will not be associated with any show, and there will be no social events. However, there will be multiple-day pre-conference tours for registrants on a first-come, first-served basis as well as local tours to Cuenca, Sigüig, and Chordeleg. This is an excellent opportunity to see first-hand the incredible diversity of Ecuador's orchids with expert guides from Ecuagenera. There can be no collecting on the tours without a permit from the Ecuadorian government, but plants from Ecuagenera will be available for sale and CITES export documents and phytosanitary certificates will be provided on-site.

This promises to be an extraordinary experience for all registrants, many of whom will be students from Ecuador and other countries. Registration will be limited to the first 150 applicants. You may register online at <http://www.ecuagenera.com> and see links to tours, speakers, accommodations, etc. there, too. Please feel free to contact either Pepe Portilla (ecuagen@c.ecua.net.ec) or Alec Pridgeon (a.pridgeon@kew.org) if you need further information.

Recent Orchid Nomenclature

We thank Rosemary Davies for supplying new orchid names received by *Index Kewensis* from 26 May to 23 November 2004.

Acianthera braggae (Ruschi) F.Barros in *Hoehnea* 30(3): 183. 2003 [30 Dec. 2003] *Physosiphon braggae*.

Acianthera cryptoceras (Rchb.f.) F.Barros in *Hoehnea* 30(3): 185. 2003 [30 Dec. 2003]: *Pleurothallis cryptoceras*.

Acianthera cryptophoranthoides (Loefgr.) F.Barros in *Hoehnea* 30(3): 185. 2003 [30 Dec. 2003]: *Pleurothallis cryptophoranthoides*.

Acianthera heringeri (Hoehne) F.Barros in *Hoehnea* 30(3): 185. 2003 [30 Dec. 2003] *Pleurothallis heringeri*.

Acianthera hoffmannseggiana (Rchb.f.) F.Barros in *Hoehnea* 30(3): 186. 2003 [30 Dec. 2003]: *Pleurothallis hoffmannseggiana*.

Acianthera macuconensis (Barb.Rodr.) F.Barros in *Hoehnea* 30(3): 186. 2003 [30 Dec. 2003]: *Pleurothallis macuconensis*.

Acianthera magalhanesii (Pabst) F.Barros in *Hoehnea* 30(3): 186. 2003 [30 Dec. 2003], as "*magalhaensii*": *Pleurothallis magalhanesii*.

Acianthera nemorosa (Barb.Rodr.) F.Barros in *Hoehnea* 30(3): 186. 2003 [30 Dec. 2003]: *Pleurothallis nemorosa*.

Acianthera oligantha (Barb.Rodr.) F.Barros in *Hoehnea* 30(3): 186. 2003 [30 Dec. 2003]: *Pleurothallis oligantha*.

Acianthera ramosa (Barb.Rodr.) F.Barros in *Hoehnea* 30(3): 186. 2003 [30 Dec. 2003]: *Pleurothallis ramosa*.

Acianthera serpentula (Barb.Rodr.) F.Barros in *Hoehnea* 30(3): 187. 2003 [30 Dec. 2003]: *Pleurothallis serpentula*.

Adamantina Van den Berg & C.N.Gonç. in *Orchid Digest* 68(4): 231. 2004 [Oct 2004]

Adamantina miltonioides Van den Berg & C.N.Gonç. in *Orchid Digest* 68(4): 232 (230-232; fig; photogr.). 2004 [Oct 2004] - Bahia, Brazil.

Aerides sukauensis Shim in *Sandakania* 14: 1(-3; fig.). 2004 [April 2004] - Sabah, Borneo.

Amphigena cochlearis (S.D.Johnson & Liltved) Szlach. in *Polish Bot. J.* 48(2): 99. 2003 [30 Dec. 2003]: *Disa cochlearis*.

Amphigena esterhuyseniae (Schelpe ex H.P.Linder) Szlach. in *Polish Bot. J.* 48(2): 99. 2003 [30 Dec. 2003]: *Disa esterhuyseniae*.

Amphigena salteri (G.J.Lewis) Szlach. in *Polish Bot. J.* 48(2): 99. 2003 [30 Dec. 2003]: *Disa salteri*.
Anacheilium abbreviatum (Schltr.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 40. 2004: *Epidendrum abbreviatum*.

Anacheilium aemulum (Lindl.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 42. 2004: *Epidendrum aemulum*.

Anacheilium aloisii (Schltr.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 49. 2004: *Epidendrum aloisii*.

Anacheilium baculus (Rchb.f.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 49. 2004: *Epidendrum baculus*.

Anacheilium bennettii (Christenson) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 51. 2004: *Encyclia bennettii*.

Anacheilium brachychilum (Lindl.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 52. 2004: *Epidendrum brachychilum*.

Anacheilium bulbosum (Vell.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 54. 2004: *Epidendrum bulbosum*.

Anacheilium carrii (V.P.Castro & Campacci) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 61. 2004: *Prosthechea carrii*.

Anacheilium chacaoense (Rchb.f.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 63. 2004: *Epidendrum chacaoense*.

Anacheilium chimborazoense (Schltr.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 65. 2004: *Epidendrum chimborazoense*.

Anacheilium chondylobulbon (A.Rich. & Galeotti) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 67. 2004: *Epidendrum chondylobulbon*

Anacheilium confusum (Rolfe) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 72. 2004: *Epidendrum confusum*.

Anacheilium crassilabium (Poepp. & Endl.) Withner, P.A.Harding & Campacci in Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 74. 2004: *Epidendrum crassilabium*.

Anacheilium farfanii (Christenson) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 78. 2004: *Prosthechea farfanii*.

Anacheilium fuscum (Schltr.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 83. 2004: *Epidendrum fuscum*.

Anacheilium garcianum (Garay & Dunst.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 84. 2004: *Epidendrum garcianum*.

Anacheilium gilbertoi (Garay) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 86. 2004: *Epidendrum gilbertoi*.

Anacheilium hajekii (D.E.Benn. & Christenson) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 89. 2004: *Prosthechea hajekii*.

Anacheilium ionophlebium (Rchb.f.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 93. 2004: *Epidendrum ionophlebium*.

Anacheilium janeirense Campacci in Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 94 (-96; fig. 1-26, t. 33). 2004 - Minas Gerais, Brazil.

Anacheilium jauanum (Carnevali & I.Ramírez) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 96. 2004: *Encyclia jauana*.

Anacheilium joaquinae (Pupulin) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 98. 2004: *Prosthechea joaquinae*.

Anacheilium lambda (Linden & Rchb.f.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 99. 2004: *Epidendrum lambda*.

Anacheilium lindenii (Lindl.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 101. 2004, isonym of *Anacheilium lindenii* (Lindl.) Hágsater (1990): *Epidendrum lindenii*.

Anacheilium mejia Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 101 (-102; fig. 1-30, t. 36). 2004 - Colombia.

Anacheilium neurosum (Ames) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 105. 2004: *Epidendrum neurosum*.

Anacheilium pamplonense (Rchb.f.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 106. 2004: *Epidendrum pamplonense*.

Anacheilium regnellianum (Hoehne & Schltr.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 110. 2004: *Epidendrum regnellianum*.

Anacheilium santanderense D.G.Hunt, Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 111 (-113; fig. 1-22, t. 39). 2004 - Santander, Colombia.

Anacheilium sessiliflorum (Edwall) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 115. 2004: *Epidendrum sessiliflorum*.

Anacheilium simum (Dressler) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 116. 2004: *Encyclia sima*.

Anacheilium spondiadum (Rchb.f.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 118. 2004: *Epidendrum spondiadum*.

Anacheilium tigrinum (Linden ex Lindl.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 120. 2004: *Epidendrum tigrinum*.

Anacheilium trulla (Rchb.f.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 122. 2004: *Epidendrum trulla*.

Anacheilium vagans (Ames) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 124. 2004: *Epidendrum vagans*.

Anacheilium vasquezii (Christenson) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 126. 2004: *Prosthechea vasquezii*.

Anacheilium venezuelanum (Schltr.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 127. 2004: *Epidendrum venezuelanum*.

Anacheilium vinaceum (Christenson) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 130. 2004: *Prosthechea vinacea*.

Anacheilium vita D.G.Hunt, Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 131 (-132; fig. 1-41; t. 51). 2004 - Ecuador.

×*Anaphorkis* Bourdon, M.F.Bourdon & J.M.H.Shaw in *Orchid Rev. Suppl.*, 112(1257): 46. 2004 (*Ansellia* Lindl. × *Graphorkis* Thou.)

Anathallis adenochila (Loefgr.) F.Barros in *Hoehnea* 30(3): 187. 2003 [30 Dec. 2003]: *Pleurothallis adenochila*.

Anathallis bleyensis (Pabst) F.Barros in *Hoehnea* 30(3): 187. 2003 [30 Dec. 2003]: *Pleurothallis bleyensis*.

Anathallis ferdinandiana (Barb.Rodr.) F.Barros in *Hoehnea* 30(3): 187. 2003 [30 Dec. 2003]: *Lepanthes ferdinandiana*.

Anathallis fernandiana (Hoehne) F.Barros in *Hoehnea* 30(3): 187. 2003 [30 Dec. 2003]: *Pleurothallis fernandiana*.

Anathallis flammea (Barb.Rodr.) F.Barros in *Hoehnea* 30(3): 187. 2003 [30 Dec. 2003]: *Lepanthes flammea*.

Anathallis guarujaensis (Hoehne) F.Barros in *Hoehnea* 30(3): 187. 2003 [30 Dec. 2003]: *Pleurothallis guarujaensis*.

Anathallis helmutii (Hoehne) F.Barros in *Hoehnea* 30(3): 187. 2003 [30 Dec. 2003]: *Pleurothallis helmutii*.

Anathallis jordanensis (Hoehne) F.Barros in *Hoehnea* 30(3): 189. 2003 [30 Dec. 2003]: *Pleurothallis jordanensis*.

Anathallis paranapiacabensis (Hoehne) F.Barros in *Hoehnea* 30(3): 189. 2003 [30 Dec. 2003]: *Pleurothallis paranapiacabensis*.

Anathallis peroupavae (Hoehne & Brade) F.Barros in *Hoehnea* 30(3): 189. 2003 [30 Dec. 2003]: *Pleurothallis peroupavae*.

Anathallis piratiningana (Hoehne) F.Barros in *Hoehnea* 30(3): 190. 2003 [30 Dec. 2003]: *Pleurothallis piratiningana*.

Anathallis pusilla (Barb.Rodr.) F.Barros in *Hoehnea* 30(3): 190. 2003 [30 Dec. 2003]: *Lepanthes pusilla*.

Anathallis puttemansii (Hoehne) F.Barros in *Hoehnea* 30(3): 190. 2003 [30 Dec. 2003]: *Pleurothallis puttemansii*

Anathallis welteri (Pabst) F.Barros in *Hoehnea* 30(3): 190. 2003 [30 Dec. 2003]: *Pleurothallis welteri*.

×*Andreottara* J.M.H.Shaw in *Orchid Rev. Suppl.*, 112(1256): 28. 2004 (*Cochlioda* Lindl. × *Miltonia* Lindl. × *Odontoglossum* Kunth).

Angraecopsis thomensis Stévant & P.J.Cribb in *Kew Bull.* 59(1): 77 (-79; fig. 1). 2004 [August 2004] - São Tomé, Gulf of Guinea Is.

Aspidogyne mosaica Ormerod in *Oasis Suppl.* 3: 3 (5; fig.). 2004 [April 2004] - Ecuador.

×*Baptikoa* J.M.H.Shaw in *Orchid Rev. Suppl.*, 112(1256): 28. 2004 (*Baptistonia* Barb.Rodr. × *Zelenkoa* M.W.Chase & N.H.Williams).

Baptistonia albinii (Schltr.) Chiron & V.P.Castro in *Richardiana* 4(3): 117. 2004 [8 Jun 2004]: *Oncidium albinii*.

Baptistonia ×amicta (Lindl.) Chiron & V.P.Castro in *Richardiana* 4(3): 117. 2004 [8 Jun 2004]: *Oncidium amictum*.

Baptistonia brieniana (Rechb.f.) V.P.Castro & Chiron in *Richardiana* 4(3): 117. 2004 [8 Jun 2004]: *Oncidium brienianum*.

Baptistonia ×cassolana (V.P.Castro & Campacci) Chiron & V.P.Castro in *Richardiana* 4(3): 117. 2004 [8 Jun 2004]: *Oncidium ×cassolanum*.

Baptistonia cornigera (Lindl.) Chiron & V.P.Castro in *Richardiana* 4(3): 117. 2004 [8 Jun 2004]: *Oncidium cornigerum*.

Baptistonia cruciata (Rechb.f.) Chiron & V.P.Castro in

Richardiana 4(3): 117. 2004 [8 Jun 2004]: *Oncidium cruciatum*.

Baptistonia damacenoii Chiron & V.P.Castro in *Richardiana* 4(3): 124 (121-134; figs. 1-6; photogr., tabl. 1). 2004 [8 Jun 2004] - Espírito Santo, Brazil.

Baptistonia fimbriata (Lindl.) Chiron & V.P.Castro in *Richardiana* 4(3): 117. 2004 [8 Jun 2004]: *Oncidium fimbriatum*.

Baptistonia gutfreundiana (Chiron & V.P.Castro) Chiron & V.P.Castro in *Richardiana* 4(3): 117. 2004 [8 Jun 2004]: *Oncidium gutfreundianum*.

Baptistonia kautskyi (Pabst) V.P.Castro & Chiron in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium kautskyi*.

Baptistonia leinigii (Pabst) Chiron & V.P.Castro in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium leinigii*.

Baptistonia lietzei (Regel) Chiron & V.P.Castro in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium lietzei*.

Baptistonia nitida (Barb.Rodr.) V.P.Castro & Chiron in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium nitidum*.

Baptistonia pabstii (Campacci & C.Espejo) Chiron & V.P.Castro in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium pabstii*.

Baptistonia pubes (Lindl.) Chiron & V.P.Castro in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium pubes*.

Baptistonia pulchella (Regel) Chiron & V.P.Castro in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Waluwia pulchella*.

Baptistonia remotiflora (Garay) Chiron & V.P.Castro in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium remotiflorum*.

Baptistonia riograndense (Cogn.) Chiron & V.P.Castro in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium riograndense*.

Baptistonia sarcodes (Lindl.) Chiron & V.P.Castro in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium sarcodes*.

Baptistonia silvana (V.P.Castro & Campacci) V.P.Castro & Chiron in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium silvanum*.

Baptistonia truncata (Pabst) Chiron & V.P.Castro in *Richardiana* 4(3): 118. 2004 [8 Jun 2004]: *Oncidium truncatum*.

Baptistonia verrucosissima (Cogn.) V.P.Castro &

Chiron in *Richardiana* 4(3): 119. 2004 [8 Jun 2004]: *Oncidium verrucosissimum*.

Baptistonia widgrenii (Lindl.) V.P.Castro & Chiron in *Richardiana* 4(3): 119. 2004 [8 Jun 2004]: *Oncidium widgrenii*.

Bulbophyllum ambatoavense Bosser in *Adansonia* 26(1): 54 (56-57; fig. 2). 2004 [8 July 2004] - Madagascar.

Bulbophyllum arianeae Fraga & E.C.Smidt in *Harvard Pap. Bot.* 9(1): 7 (-9; fig. 1). 2004 [Sep 2004] - Espirito Santo, Brazil.

Bulbophyllum auriculatum J.J.Verm. & P.O'Byrne in *Gard. Bull. Singapore* 55(2): 262 (-264; fig.). 2003 - Sulawesi.

Bulbophyllum kupense P.J.Cribb & B.J.Pollard in *Kew Bull.* 59(1): 137 (-139; fig.). 2004 [August 2004] - Cameroon.

Bulbophyllum labatii Bosser in *Adansonia* 26(1): 53 (-55; fig. 1). 2004 [8 July 2004] - Madagascar.

Bulbophyllum reductum J.J.Verm. & P.O'Byrne in *Gard. Bull. Singapore* 55(2): 268 (-270; fig.). 2003 - Sulawesi.

Bulbophyllum stenurum J.J.Verm. & P.O'Byrne in *Gard. Bull. Singapore* 55(2): 266 (-268; fig.). 2003 - Sulawesi.

Bulbophyllum trichorhachis J.J.Verm. & P.O'Byrne in *Gard. Bull. Singapore* 55(2): 256 (-259; fig.). 2003 - Sulawesi.

Bulbophyllum tubilabrum J.J.Verm. & P.O'Byrne in *Gard. Bull. Singapore* 55(2): 264 (-266; fig.). 2003 - Sulawesi.

Bulbophyllum valeryi J.J.Verm. & P.O'Byrne in *Gard. Bull. Singapore* 55(2): 260 (-262; fig.). 2003 - Sulawesi.

Caladenia subgen. *Stegostyla* (D.L.Jones & M.A.Clem.) Hopper & A.P.Br. in *Austral. Syst. Bot.* 17(2): 206. 2004 [29 April 2004]: *Stegostyla*.

Caladenia graniticola (Hopper & A.P.Br.) Hopper & A.P.Br. in *Austral. Syst. Bot.* 17(2): 193. 2004 [29 April 2004]: *Caladenia hoffmanii* subsp. *graniticola*.

Caladenia orientalis (G.W.Carr) Hopper & A.P.Br. in *Austral. Syst. Bot.* 17(2): 195. 2004 [29 April 2004]: *Caladenia fragrantissima* subsp. *orientalis*.

Caladenia saccata (R.S.Rogers) Hopper & A.P.Br. in *Austral. Syst. Bot.* 17(2): 186. 2004 [29 April 2004]: *Petalochilus saccatus*.

Caladenia villosissima (G.W.Carr) Hopper & A.P.Br.

in *Austral. Syst. Bot.* 17(2): 198. 2004 [29 April 2004]: *Caladenia dilatata* subsp. *villosissima*.

Calochilus ammobius D.L.Jones & B.Gray in *Orchadian* 14(2): 85 (-86; 92-3, figs.). 2002 - Queensland, Australia.

× *Catcylaelia* J.M.H.Shaw in *Orchid Rev. Suppl.*, 112(1257): 46. 2004 (*Cattleya* Lindl. × *Encyclia* Hook. × *Laelia* Lindl.).

× *Catyclia* J.M.H.Shaw in *Orchid Rev. Suppl.*, 112(1257): 46. 2004 (*Cattleya* Lindl. × *Encyclia* Hook.).

Caucaea macrotyle (Königer & J.Portilla) Königer in *Arcula* 14: 360. 2003 [22 Dec. 2003]: *Oncidium macrotyle*.

Caucaea universitas-cuencae (Königer & D.Vázquez) Königer in *Arcula* 14: 360. 2003: *Oncidium universitas-cuencae*.

× *Caultonia* Griffiths & J.M.H.Shaw in *Orchid Rev. Suppl.*, 112(1257): 46. 2004 (*Broughtonia* R.Br. × *Caularthron* Raf.).

× *Chadwickara* G.Monnier & J.M.H.Shaw in *Orchid Rev. Suppl.*, 112(1256): 26. 2004 (*Pabstia* Garay × *Zygopetalum* Hook. × *Zygosepalum* Rehb.f.).

Coilostylis ciliaris (L.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 139. 2004: *Epidendrum ciliare*.

Coilostylis clavata (Raf.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 141. 2004, as 'clavatum': *Didothion clavatum*.

Coilostylis cuspidata (Lodd.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 142. 2004: *Epidendrum cuspidatum*.

Coilostylis falcata (Lindl.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 143. 2004: *Epidendrum falcatum*.

Coilostylis lacertina (Lindl.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 144. 2004: *Epidendrum lacertinum*.

Coilostylis oerstedii (Rehb.f.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 145. 2004: *Epidendrum oerstedii*.

Coilostylis parkinsoniana (Hook.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 145. 2004: *Epidendrum parkinsonianum*.

Coilostylis vivipara (Lindl.) Withner & P.A.Harding, *Cattleyas & Relatives: Debatable Epidendrums* 146. 2004: *Epidendrum viviparum*.

×*Compelzenia* J.M.H.Shaw in *Orchid Rev. Suppl.*, 112(1256): 28. 2004 (*Comparettia* Poepp. & Endl. × *Rodriguezia* Ruiz & Pav. × *Zelenkoa* M.W.Chase & N.H.Williams)

Coryanthes maduroana G.Gerlach in *Lankesteriana* 4(1): 70 (-72; fig. 4). 2004 [30 Apr 2004] - Coclé, Panama.

Corybas dowingii D.L.Jones in *Orchadian* 14(9): 419 (418-420; fig.). 2004 [Aug. 2004] - New South Wales, Australia.

Cranichis turkeliae Christenson in *Richardiana* 4(3): 135 (-136; photogrs.). 2004 [8 Jun 2004] - Ecuador.

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bicalliata.

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Recent Literature

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