

Orchid Research Newsletter No. 39

Introduction

For almost 20 years, *Orchid Research Newsletter* has been available free on request in printed form. However, we are always seeking to improve its availability to the orchid community. Number 39 of the *Newsletter* marks a development in its method of publication and availability. In addition to the hard copy that we will continue to distribute for the time being, it will also become available on Litbul, the web-based orchid information service developed by Rudolf Jenny. Subscribers to Litbul will have immediate access to the current newsletter and be able to access past newsletters.

I attended two important conferences in Australia this autumn. The first was the Flora Malesiana Conference in Sydney. The orchid session was well attended, and it was encouraging to see how many scientists are working on the orchids of the region. Ed de Vogel and Andre Schuitemann's CD of New Guinea orchids was profiled in the meeting and widely applauded. Fundamental research on the phylogeny and classification of *Coelogyne*, *Cymbidium*, *Dendrobium*, and other Asiatic genera were also considered. A week later, some of the delegates met up again at the First International Orchid Conservation Conference, hosted by King's Park Botanic Garden in Perth. The conference was preceded by a well-attended workshop where many countries from the region and abroad were represented. The conference itself was a stimulating meeting attended by delegates from 22 countries and presented a gratifying amount of practical examples of orchid conservation. Its most significant aspects were, to my mind, the contacts made and development of collaborations involving temperate and tropical botanists. Dr Faridah Qamaruz-Zaman (Genome Centre, University of Bioscience, University of Malaysia, 43400 Serdang, Selangor, Malaysia) has kindly agreed to chair the South-east Asian group of the IUCN SSC Orchid Specialist group that will meet in Shah Alam, Malaysia, in April 2002. It was particularly encouraging to meet so many younger researchers already engaged in orchid work or moving into the field. It bodes well for the future. A second International Orchid Conservation Conference is already planned, possibly to be held in the New World in 2003 or 2004. More details will be posted as soon as they are available. All in all, it seems that orchid research and conservation are in good hands.

At Kew, we have sent to press volume 3 of *Genera Orchidacearum* (GO), covering remaining genera of Orchidoideae and Vanilloideae. We are now working on volume 4, encompassing many tribes of Epidendroideae. The number of collaborators and

contributors now tops 50, but it is a monumental task and will need determination and further collaboration to complete the six volumes. Alec Pridgeon, who is co-ordinating the project as well as being a major contributor and editor, is returning to the USA from January 1st 2002 but will continue with his GO role and will also continue as co-editor of this *Newsletter*. I and my colleagues at Kew will miss him, but we will see him on twice-yearly visits. We wish him all the best back in Florida (I guess it must be the English weather!).

Phillip Cribb

News from Correspondents

Arditti, Joseph (Developmental and Cell Biology, 5205 Biological Sciences II, Rm. A, University of California, Irvine, California 92697-2300, USA) is now Professor Emeritus, retiring on 1 July 2001 after 35 years of service to the University of California at Irvine.

Deutsch, Gerfried (Institute of Botany, Karl-Franzeus University Graz, Holteigasse 6, A-8010 Graz, Austria) has published his work on in vitro propagation of *Nigritella* and is continuing work on *Gymnadenia*, for which he needs Asiatic material.

Kumar, C. Satish (Tropical Botanic Garden & Research Institute, Pacha Palode, Thiruvananthapuram – 695 562, Kerala, India) has finished work toward "Orchids of Western Ghats and Their Sustainable Utilization" as well as the reproductive biology of three endangered orchids of southern Western Ghats. He continues research into germplasm maintenance and taxonomy of Indian orchids.

Li, Heng (Department of Plant Taxonomy and Phytogeography, The Chinese Academy of Sciences, Kunming Institute of Botany, Heilongtan, Kunming, Yunnan 650204, P. R. China) has been compiling *Orchidaceae* for the Flora of Yunnan with his colleagues. He is planning more floristic research in Xishuangbanna in southern Yunnan as well as trips to the Gaoligongshan Mountains and Dulongjiang River in northwestern Yunnan.

McKendrick, Sheena Lindsay has recently published an orchid propagation manual for the Ceiba Foundation for Tropical Conservation as part of the El Pahuma *in vitro* germination program. The manual can be downloaded from <http://www.ceiba.org/elpahuma/propagation.htm>.

Pridgeon, Alec M. (Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AB, U.K.) has recently completed (with Rodolfo Solano and Mark Chase) a comprehensive phylogenetic study of subtribe Pleurothallidinae using nuclear and plastid gene regions, published in the December 2001 issue of the *American Journal of Botany*, with a companion nomenclatural paper in *Lindleyana* in the same month. He is now working on a phylogenetic study of Eulophiinae with Phillip Cribb, using data from morphology and DNA sequences. Finally, he retired as Co-editor of *Lindleyana* in December 2001.

Tokuhara, Ken (Dogashima Orchid Center, 2848-1 Nishina, Nishiizu-cho, Kamo-gun, Shizuoka 410-3514, Japan) has published a new paper on induction of embryogenic callus and cell suspension cultures from meristems of flower stalk buds of *Phalaenopsis* [reference not provided – ed.].

Vij, Suraj Parkash (Department of Botany, Panjab University, Chandigarh-160 014, India) has completed research on distribution and habitat preferences of terrestrial orchids and on the conservation and commercialization of Himalayan plant diversity by biotechnology. He is actively working on propagation of orchids and their introduction in the protected forest of Chadigarh as well as on the cytogenetics and mycorrhizal associations in orchids. In the future he plans to study the reproductive biology of some economically important orchids.

17th World Orchid Conference – Don't Miss Out

This is the last issue of the *Orchid Research Newsletter* before the 17th World Orchid Conference, scheduled for 24 April - 2 May 2002 in Shah Alam, Malaysia. The Show and Lecture Programme both promise to be impressive and educational. Full details on registration (including online), the lecture programme, forums and meetings, judging, tours, daily schedules, and much more are available on the quite professional Conference website at: <http://www.orchid2002.com.my>. Alternatively, you may contact the Secretariat at this address: 17th WOC Secretariat, 7th Floor, Wisma MBSA, Persiaran Perbandaran, 40000 Shah Alam, Selangor Darul Ehsan (tel: +603 5510 0748; fax: +603 5513 2051; e-mail: woc17@orchid2002.com.my or tahir@mbsa.gov.my).

Now, more than ever, the orchid community needs to rise above international political problems and use the World Orchid Conference as a venue for sharing horticultural and scientific information to help build a better world.

Completion of *Die Orchideen*, 3rd edition

Rudolf Schlechter published his handbook, *Die Orchideen*, in 1915, with a nearly unchanged second edition appearing in 1927. A third edition in fascicles began in 1971 with three editors. Volume II (horticultural part) was completed in 1978. Volume I (general part and systematics) was enlarged to three volumes as IA-IC and should be completed in 2001 with fascicle 45. In 2002 a booklet with references, indices, and a general register will follow. The size of Volume I will then be approximately 2900 pages with 2830 figures (photos and drawings). The Addenda comprise in condensed form about 350 pages and contain among other things 170 genera created during the period of publication.

Since my colleague and senior editor of *Die Orchideen*, Professor Brieger, died in 1985, it has been my function to complete this enormous work. It would not have been possible to finish the manuscript without the help and assistance of many friends and colleagues who supported me with plants, flowers, literature, reprints, information, and advice. In my preface to Volume IC I shall thank them all by name, but I want to give my thanks here to Phillip Cribb, who was always an important and rich source of information for me. –

Karlheinz Senghas, Botanischer Garten der Universität, Im Neuenheimer Feld 340, D-69120 Heidelberg.

Recent Orchid Nomenclature

We are grateful to Rosemary Davies for supplying new orchid names received by *Index Kewensis* from 1 June 2001 through 5 December 2001.

Ackermania hajekii D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 602 (2001).-Peru

Acriopsis liliifolia var. *auriculata* (Minderh. & de Vogel) J.J.Wood in T.E. Beaman et al., *Orchids of Sarawak* 120 (2001).: *Acriopsis javanica* var. *auriculata*.

Ada euodes (Rchb.f.) D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.*: t. 401 (1998); *Brassia euodes*.

Ada peruviana D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 603 (2001).-Peru

×*Aerangaeris* hort. in *Orchid Rev.* 109(1239): new orchid hybrids 13 (2001).

Aerangis subgen. *Barombia* (Schltr.) Szlach. & Olszewski in *Fl. Cameroun* 36: 832 (2001): *Barombia*

×*Agasepalum* hort. in *Orchid Rev.* 109(1237): new orchid hybrids 14 (2001).

Alatiliparis H.B.Margonska & D.L.Szlachetko in *Ann. Bot. Fenn.*, 38(2): 78 (2001).

Alatiliparis filicornes H.B.Margonska & D.L.Szlachetko in *Ann. Bot. Fenn.*, 38(2): 79 (2001) - Sumatera.

Alatiliparis otochilus H.B.Margonska & D.L.Szlachetko in *Ann. Bot. Fenn.*, 38(2): 79 (2001) - Sumatra.

Ancistrorhynchus constrictus Szlach. & Olszewski in *Fl. Cameroun* 36: 776 (2001).-Cameroon

Angraecopsis hallei Szlach. & Olszewski in *Fl. Cameroun* 36: 908 (2001).-Gabon

Angraecopsis lisowskii Szlach. & Olszewski in *Fl. Cameroun* 36: 914 (2001).-Cameroon

Angraecum cribbianum Szlach. & Olszewski in *Fl. Cameroun* 36: 903 (2001).-Gabon

Angraecum eichlerianum var. *curvicalcaratum* Szlach. & Olszewski in *Fl. Cameroun* 36: 898 (2001)-Cameroon

Angraecum lisowskianum Szlach. & Olszewski in *Fl. Cameroun* 36: 892 (2001).-Equatorial Guinea

Angraecum poppendickianum Szlach. & Olszewski in *Fl. Cameroun* 36: 884 (2001).-Gabon, Cameroon.

×*Arachnocentron* hort. in *Orchid Rev.* 109(1239): new orchid hybrids 13 (2001).

Arachnorchis D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 392 (Sept. 2001).

Arachnorchis actensis (D.L.Jones & M.A.Clem.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 392 (Sept. 2001): *Caladenia actensis*

Arachnorchis aestiva (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 392 (Sept. 2001): *Caladenia aestiva*

Arachnorchis amnicola (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 392 (Sept. 2001). 2001 : *Caladenia amnicola* D.L.Jones

Arachnorchis amoena (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 392 (Sept. 2001): *Caladenia amoena*

Arachnorchis anthracina (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 392 (Sept. 2001): *Caladenia anthracina*

Arachnorchis arenaria (Fitzg.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 392 (Sept. 2001): *Caladenia arenaria*.

Arachnorchis argocalla (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 392 (Sept. 2001): *Caladenia argocalla*

Arachnorchis atroclavia (D.L.Jones & M.A.Clem.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia atroclavia*

Arachnorchis audasii (R.S.Rogers) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia audasii*

Arachnorchis australis (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia australis*

Arachnorchis behrii (Schltdl.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia behrii*

Arachnorchis brachyscapa (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia brachyscapa*

Arachnorchis brumalis (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia brumalis*

Arachnorchis bryceana (R.S.Rogers) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia bryceana*

Arachnorchis calcicola (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia calcicola*

Arachnorchis callitrophila (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia callitrophila*

Arachnorchis cardiochila (Tate) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia cardiochila*

Arachnorchis caudata (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia caudata*

Arachnorchis clavigera (A.Cunn. ex Lindl.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia clavigera*

Arachnorchis clavula (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia clavula*

Arachnorchis colorata (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia colorata*

Arachnorchis concinna (Rupp) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia dilatata* var. *concinna*

Arachnorchis concolor (Fitzg.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia concolor*

Arachnorchis conferta (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia conferta*

Arachnorchis corynephora (A.S.George) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia corynephora*

Arachnorchis crebra (A.S.George) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia crebra*

Arachnorchis cruciformis (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 393 (Sept. 2001): *Caladenia cruciformis*

Arachnorchis dienema (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia dienema*

Arachnorchis dilatata (R.Br.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia dilatata*

Arachnorchis discoidea (Lindl.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia discoidea*

Arachnorchis drummondii (Benth.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia drummondii*

Arachnorchis echidnachila (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia echidnachila*

Arachnorchis ensata (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia ensata*

Arachnorchis falcata (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia dilatata* var. *falcata*

Arachnorchis ferruginea (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia ferruginea*

Arachnorchis fitzgeraldii (Rupp) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia fitzgeraldii*

Arachnorchis flavovirens (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia flavovirens*

Arachnorchis formosa (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia formosa*

Arachnorchis fragrantissima (D.L.Jones & G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia fragrantissima*

Arachnorchis fulva (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia fulva*

Arachnorchis gladiolata (R.S.Rogers) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia gladiolata*

Arachnorchis graminifolia (A.S.George) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia graminifolia*

Arachnorchis hastata (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia patersonii* var. *hastata*

Arachnorchis helvina (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia helvina*

Arachnorchis hirta (Lindl.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia hirta*

Arachnorchis huegelii (Rchb.f.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia huegelii*

Arachnorchis infundibularis (A.S.George) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 394 (Sept. 2001): *Caladenia infundibularis*

Arachnorchis insularis (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia insularis*

Arachnorchis integra (E.Coleman) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia integra*

Arachnorchis leptochila (Fitzg.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia leptochila*

Arachnorchis leptoclavia (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia leptoclavia*

Arachnorchis lindleyana (Rchb.f.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia patersonii* var. *lindleyana*

Arachnorchis lobata (Fitzg.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia lobata*

Arachnorchis longicauda (Lindl.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia longicauda*

Arachnorchis longiclavata (E.Coleman) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia longiclavata*

Arachnorchis lowanensis (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia lowanensis*

Arachnorchis macroclavia (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia macroclavia*

Arachnorchis macrostylis (Fitzg.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia macrostylis*

Arachnorchis magniclavata (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia magniclavata*

Arachnorchis magnifica (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia patersonii* var. *magnifica*

Arachnorchis montana (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia montana*

Arachnorchis necrophylla (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia necrophylla*

Arachnorchis oenochila (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia oenochila*

Arachnorchis orientalis (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia fragrantissima* subsp. *orientalis*

Arachnorchis ovata (R.S.Rogers) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia ovata*

Arachnorchis pallida (Lindl.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 395 (Sept. 2001): *Caladenia pallida*

Arachnorchis parva (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia parva*

Arachnorchis patersonii (R.Br.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia patersonii*

Arachnorchis pectinata (R.S.Rogers) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia pectinata*

Arachnorchis phaeoclavia (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia phaeoclavia*

Arachnorchis pilotensis (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia pilotensis*

Arachnorchis plicata (Fitzg.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia plicata*

Arachnorchis pumila (R.S.Rogers) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia pumila*

Arachnorchis radiata (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia radiata*

Arachnorchis reticulata (Fitzg.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia reticulata*

Arachnorchis rhomboidiformis (E.Coleman) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia dilatata* var. *rhomboidiformis*

Arachnorchis richardsiorum (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia richardsiorum*

Arachnorchis rigens (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia rigens*

Arachnorchis rigida (R.S.Rogers) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia rigida*

Arachnorchis rileyi (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia rileyi*

Arachnorchis robinsonii (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia robinsonii*

Arachnorchis rosella (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia rosella*

Arachnorchis saggicola (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia saggicola*

Arachnorchis septuosa (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia septuosa*

Arachnorchis stellata (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia stellata*

Arachnorchis stricta (R.J.Bates) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 396 (Sept. 2001): *Caladenia dilatata* var. *stricta*

Arachnorchis subtilis (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia subtilis*

Arachnorchis tensa (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia tensa*

Arachnorchis tentaculata (Schltdl.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia tentaculata*

Arachnorchis tessellata (Fitzg.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia tessellata*

Arachnorchis thysanochila (G.W.Carr) D.L.Jones & M.A.Clem. *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia thysanochila*

Arachnorchis toxochila (Tate) D.L.Jones & M.A.Clem. *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia toxochila*

Arachnorchis uliginosa (A.S.George) D.L.Jones & M.A.Clem. *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia uliginosa*

Arachnorchis valida (Nicholls) D.L.Jones & M.A.Clem. *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia reticulata* var. *valida*

Arachnorchis venusta (G.W.Carr) D.L.Jones & M.A.Clem. *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia venusta*

Arachnorchis verrucosa (G.W.Carr) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 400 (Sept. 2001): *Caladenia verrucosa*

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Cryptocentrum peruvianum subsp. *minus* (Schltr.) G.Carnevali in *Harvard Pap. Bot.*, 5(2): 482 (2001); *Cryptocentrum minus*.

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Cyrtochilum alboroseum (Dalstrom) S.Dalstrom in *Lindleyana*, 16(2): 58 (2001); *Odontoglossum alboroseum*.

Cyrtochilum angustatum (Lindl.) S.Dalstrom in *Lindleyana*, 16(2): 58 (2001); *Odontoglossum angustatum*.

Cyrtochilum anthoxanthum (Rchb.f.) S.Dalstrom in *Lindleyana*, 16(2): 58 (2001); *Odontoglossum anthoxanthum*.

Cyrtochilum articulatum (Koniger) S.Dalstrom in *Lindleyana*, 16(2): 58 (2001); *Trigonochilum articulatum*.

Cyrtochilum aurantiacum (G.Gerlach & T.Franke) S.Dalstrom in *Lindleyana*, 16(2): 59 (2001); *Rusbyella aurantiaca*.

Cyrtochilum auropurpureum (Rchb.f.) S.Dalstrom in *Lindleyana*, 16(2): 60 (2001); *Odontoglossum auropurpureum*.

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Cyrtochilum cimiciferum (Rchb.f.) S.Dalstrom in *Lindleyana*, 16(2): 61 (2001); *Odontoglossum cimiciferum*.

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Cyrtochilum ioplocon (Rchb.f.) S.Dalstrom in *Lindleyana*, 16(2): 66 (2001); *Odontoglossum ioplocon*.

Cyrtochilum lapacense (R.Vasquez & Dalstrom) S.Dalstrom in *Lindleyana*, 16(2): 66 (2001); *Odontoglossum lapacense*.

Cyrtochilum leucopterum (Rchb.f.) S.Dalstrom in *Lindleyana*, 16(2): 66 (2001); *Odontoglossum leucopterum*.

Cyrtochilum ligulatum (Ruiz & Pav.) Mansf.ex S.Dalstrom in *Lindleyana*, 16(2): 67 (2001); *Maxillaria ligulata*.

Cyrtochilum macasense (Dodson) S.Dalstrom in *Lindleyana*, 16(2): 69 (2001); *Oncidium macasense*.

Cyrtochilum matangense (Bockemuhl) S.Dalstrom in *Lindleyana*, 16(2): 69 (2001); *Odontoglossum matangense*.

Cyrtochilum meirax (Rchb.f.) S.Dalstrom in *Lindleyana*, 16(2): 70 (2001); *Oncidium meirax*.

Cyrtochilum mezae D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 623 (2001) -Peru

Cyrtochilum ornatum (Koniger) S.Dalstrom in *Lindleyana*, 16(2): 71 (2001); *Buesiella ornata*.

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Cyrtochilum pusillum (C.Schweinf.) S.Dalstrom in *Lindleyana*, 16(2): 72 (2001); *Buesiella pusilla*.

Cyrtochilum ramosissimum (Lindl.) S.Dalstrom in *Lindleyana*, 16(2): 72 (2001); *Odontoglossum ramosissimum*.

Cyrtochilum revolutum (Lindl.) S.Dalstrom in *Lindleyana*, 16(2): 72 (2001); *Odontoglossum revolutum*.

Cyrtochilum rhodoneurum (Rchb.f.) S.Dalstrom in *Lindleyana*, 16(2): 73 (2001); *Neodryas rhodoneura*.

Cyrtochilum ringens (Rchb.f.) S.Dalstrom in *Lindleyana*, 16(2): 73 (2001); *Odontoglossum ringens*.

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Cyrtochilum schultzei (Schltr.) S.Dalstrom in *Lindleyana*, 16(2): 74 (2001); *Odontoglossum schultzei*.

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Cyrtorchilum weirii (Rchb.f.) S.Dalstrom in *Lindleyana*, 16(2): 76 (2001): *Odontoglossum weirii*.

Cyrtorchilum wernerii (Schltr.) S.Dalstrom in *Lindleyana*, 16(2): 76 (2001): *Oncidium wernerii*.

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Dendrochilum gracile var. *bicornutum* J.J.Wood, *Dendrochilum of Borneo* 254 (2001) -Borneo (Brunei), Borneo (Sabah),

Dendrochilum haslamii var. *quadrilobum* J.J.Wood, *Dendrochilum of Borneo* 108 (2001) -Borneo (Sarawak)

Dendrochilum jiewhoei J.J.Wood, *Dendrochilum of Borneo* 232 (2001) -Borneo (Sarawak)

Dendrochilum kelabitense J.J.Wood in T.E. Beaman et al., *Orchids of Sarawak* 276 (2001) -Borneo (Sarawak)

Dendrochilum kingii var. *tenuichilum* J.J.Wood, *Dendrochilum of Borneo* 150 (2001) -Borneo (Sarawak)

Dendrochilum murudense (J.J.Wood) J.J.Wood, *Dendrochilum of Borneo* 228 (2001): *Dendrochilum crassifolium* var. *murudense*

Dendrochilum pallidiflavens var. *brevilabratum* (Rendle) J.J.Wood, *Dendrochilum of Borneo* 78 (2001): *Platyclinis brevilabrata*

Dendrochilum pallidiflavens var. *oblongum* J.J.Wood, *Dendrochilum of Borneo* 79 (2001) -Borneo (Brunei)

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Encyclia davidhuntii Withner & M.Fuente, *Orchidee (Hamburg)* 52(4): 446 (2001) -Belize

Encyclia fusca (Schltr.) D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.*: t. 442 (1998); *Epidendrum fuscum*.

Encyclia lineariloba Withner in *Orchidee* 52(4): 448 (2001) -Guatemala

Encyclia trautmannii Senghas in *J. Orchideenfreund* 8(1): 64 (2001) -Peru

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Epidendrum acrobatesii Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 402 (2001) -Ecuador

Epidendrum acrorhodum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 403 (2001) -Ecuador

Epidendrum aguaricoense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 404 (2001) -Ecuador

Epidendrum albifloroides D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.*: t. 445 (1998) - Peru.

Epidendrum allisonii Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 405 (2001) -Ecuador

Epidendrum alpicolonigrense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 406 (2001) -Ecuador

Epidendrum alpicoloscandens Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 407 (2001) -Ecuador

Epidendrum alvarezdeltoroi Hagsater, *Ic. Orchidac.* 4: t. 408 (2001) -Mexico Southeast (Chiapas), Mexico Southwest (Oaxaca).

Epidendrum amazonicoriifolium Hagsater, *Ic. Orchidac.* 4: t. 409 (2001) -Venezuela, Bolivia, French Guiana, Guyana, Peru.

Epidendrum angustilobopaniculatum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 410 (2001) - Ecuador

Epidendrum anthoceroides Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 411 (2001) -Ecuador

Epidendrum apaganoides D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.*: t. 450 (1998) - Peru.

Epidendrum aristisepalum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 412 (2001) -Ecuador

Epidendrum aristoloides Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 413 (2001) -Ecuador, Peru.

Epidendrum asplundii Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 414 (2001) -Ecuador

Epidendrum azulense D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.*: t. 452 (1998), as 'azulensis' -Peru.

Epidendrum bahorucense Hagsater & L.Cerv. in E. Hagsater, *Ic. Orchidac.* 4: t. 415 (2001) -Dominican Republic

Epidendrum barbaricum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 416 (2001) -Ecuador

Epidendrum bianthogastrum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 417 (2001) -Ecuador, Colombia.

Epidendrum bicirrhatum D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.*: t. 453 (1998) - Peru.

Epidendrum bidens D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 634 (2001) -Peru

Epidendrum borchsenii Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 418 (2001) -Ecuador

Epidendrum boscoense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 419 (2001) -Ecuador

Epidendrum boylei Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 420 (2001) -Ecuador

Epidendrum brevicernuum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 421 (2001) -Ecuador, Colombia.

Epidendrum brevivenioides Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 422 (2001) -Ecuador

Epidendrum bryophilum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 423 (2001) -Ecuador

Epidendrum burtonii D.E.Benn. & Christenson in E. Hagsater, *Ic. Orchidac. Peruv.* t. 635 (2001) -Peru

Epidendrum calacaliense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 424 (2001) -Ecuador

Epidendrum calagrense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 425 (2001) -Ecuador

Epidendrum calyptratoides Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 426 (2001) -Ecuador, Colombia, Peru.

Epidendrum chrysanthum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 427 (2001) -Ecuador, Colombia.

Epidendrum cleistogastrum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 428 (2001) -Ecuador, Colombia.

Epidendrum crenulidifforme L.Sanchez & Hagsater in E. Hagsater, *Ic. Orchidac.* 4: t. 429 (2001) -Dominican Republic

Epidendrum cuyujense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 430 (2001) -Ecuador

Epidendrum cylindrostenophyllum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 431 (2001) -Ecuador

Epidendrum dactyloclinium Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 432 (2001) -Ecuador

Epidendrum dalessandroi Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 433 (2001) -Ecuador

Epidendrum dialyrrhombicum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 434 (2001) -Ecuador

Epidendrum dodii L.Sanchez & Hagsater in E. Hagsater, *Ic. Orchidac.* 4: t. 435 (2001) -Dominican Republic

Epidendrum ellemanniae Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 436 (2001) -Ecuador

Epidendrum farinosum R.Vasquez & Dodson in *Rev. Soc. Boliv. Bot.* 2(2): 145 (1999). -Bolivia

Epidendrum forcipatoides Hagsater, *Ic. Orchidac.* 4: t. 437 (2001) -Brazil Northeast (Bahia)

Epidendrum fosbergii Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 438 (2001) -Ecuador

Epidendrum frechetteanum D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 637 (2001) -Peru

Epidendrum fujimorianum D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.:* t. 459 (1998) -Peru.

Epidendrum golondrinense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 439 (2001) -Ecuador

Epidendrum gracilibracteatum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 440 (2001) -Ecuador

Epidendrum guagra-urcuense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 441 (2001) -Ecuador

Epidendrum gualaquicense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 442 (2001) -Ecuador

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Epidendrum harlingii Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 443 (2001) -Ecuador

Epidendrum heringeri Hagsater, *Ic. Orchidac.* 4: t. 444 (2001) -Brazil West-Central (Goias)

Epidendrum holmnielsenii Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 445 (2001) -Ecuador

Epidendrum iguagoi Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 446 (2001) -Ecuador

Epidendrum jarae D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 639 (2001) -Peru

Epidendrum jasminosum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 447 (2001) -Ecuador, Peru.

Epidendrum jessupiorum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 448 (2001) -Ecuador

Epidendrum jimbureense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 449 (2001) -Ecuador

Epidendrum kanehirae Hagsater, *Ic. Orchidac.* 4: t. 450 (2001) -Peru

Epidendrum lagenomorphum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 451 (2001) -Ecuador, Colombia.

Epidendrum laurelense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 452 (2001) -Ecuador

Epidendrum lawessonii Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 453 (2001) -Ecuador

Epidendrum llactapataense D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 641 (2001) -Peru

Epidendrum llaviucoense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 454 (2001) -Ecuador

Epidendrum loejtnantii Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 455 (2001) -Ecuador

Epidendrum maldonadoense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 456 (2001) -Ecuador

Epidendrum martinezii L.Sanchez-Saldana & G.Carnevali in *Harvard Pap. Bot.*, 5(2): 408 (2001) - Mexico Southeast (Chiapas, Quintana Roo), Guatemala, Belize.

Epidendrum megaloclinium Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 457 (2001) -Ecuador

Epidendrum microcarpum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 458 (2001) -Ecuador

Epidendrum microcattleyioides D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 644 (2001) -Peru

Epidendrum microdiothoneum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 459 (2001) -Ecuador

Epidendrum molauui Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 460 (2001) -Ecuador

Epidendrum montispichinchense Hagsater & Dodson, *Ic. Orchidac.* 4: t. 461 (2001) -Ecuador

Epidendrum morrisii Hagsater & L.Cerv. in E. Hagsater, *Ic. Orchidac.* 4: t. 462 (2001) -Jamaica

Epidendrum nanegalense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 463 (2001) -Ecuador

Epidendrum nematopetalum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 464 (2001) -Ecuador

Epidendrum oblongialpicola Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 465 (2001). 2001 - Ecuador

Epidendrum orthoclinium Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 466 (2001) -Ecuador

Epidendrum pachoi Hagsater & L.Sanchez in E. Hagsater, *Ic. Orchidac.* 4: t. 467 (2001) -Colombia

Epidendrum papallactense Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 468 (2001) -Ecuador

Epidendrum pazii Hagsater, *Ic. Orchidac.* 4: t. 469 (2001) -Colombia

Epidendrum philocremnum Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 470 (2001) -Ecuador

Epidendrum pirrense Hagsater, *Ic. Orchidac.* 4: t. 471 (2001) -Panama

Epidendrum platypetalum Hagsater, *Ic. Orchidac.* 4: t. 472 (2001) -Colombia

Epidendrum platyphylloserpens Hagsater, *Ic. Orchidac.* 4: t. 473 (2001) -Peru

Epidendrum posadarum Hagsater, *Ic. Orchidac.* 4: t. 474 (2001) -Colombia

Epidendrum pseudapaganum D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.*: t. 468 (1998) - Peru.

Epidendrum pseudoalbiflorum D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.*: t. 467 (1998) - Peru.

Epidendrum pseudogramineum D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 648 (2001) -Peru

Epidendrum pseudopolystachyum D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 649 (2001) -Peru

Epidendrum pterostele Hagsater & Dodson in E. Hagsater, *Ic. Orchidac.* 4: t. 475 (2001) -Ecuador

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Petalochilus atrochilus (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 406 (Sept. 2001): *Caladenia atrochila*

Petalochilus attenuatus (Brinsley) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 406 (Sept. 2001): *Caladenia carnea* var. *attenuata*

Petalochilus aurantiacus (R.S.Rogers) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 406 (Sept. 2001): *Caladenia carnea* var. *aurantiaca*

Petalochilus bartlettii (Hatch) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 406 (Sept. 2001): *Caladenia carnea* var. *bartlettii*

Petalochilus campbellii (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 406 (Sept. 2001): *Caladenia campbellii*

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Petalochilus catenatus (Sm.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 406 (Sept. 2001): *Arethusa catenata*

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Petalochilus coactilis (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia coactilis*

Petalochilus curtisepalus (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia curtisepala*

Petalochilus fuscatus (Rchb.f.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia carnea* var. *fuscata*

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Petalochilus hillmanii (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia hillmanii*

Petalochilus javanicus (Benn. ex Ridl.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia javanica*

Petalochilus maritimus (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia maritima*

Petalochilus mentiens (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia mentiens*

Petalochilus minor (Hook.f.) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia minor*

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Petalochilus ornatus (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia carnea* var. *ornata*

Petalochilus pictus (Nicholls) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia alba* var. *picta*

Petalochilus porphyreus (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia porphyrea*

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Petalochilus sylvicola (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia sylvicola*

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Petalochilus variegatus (Colenso) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 410 (Sept. 2001): *Caladenia variegata*

Petalochilus vulgaris (D.L.Jones) D.L.Jones & M.A.Clem. in *Orchadian* 13(9): 411 (Sept. 2001): *Caladenia vulgaris*

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Phlebochilus cairnsianus (F.Muell.) Szlach. in *Polish Bot. J.* 46(1): 15 (2001): *Caladenia cairnsiana*

Phlebochilus cardiochilus (Tate) Szlach. in *Polish Bot. J.* 46(1): 14 (2001): *Caladenia cardiochila*

Phlebochilus clavigerus (A.Cunn. ex Lindl.) Szlach. in *Polish Bot. J.* 46(1): 15 (2001): *Caladenia clavigera*

Phlebochilus cristatus (R.S.Rogers) Szlach. in *Polish Bot. J.* 46(1): 15 (2001): *Caladenia cristata*

Phlebochilus douthiae (O.H.Sarg.) Szlach. in *Polish Bot. J.* 46(1): 15 (2001): *Caladenia douthiae*

Phlebochilus integrus (E.Coleman) Szlach. in *Polish Bot. J.* 46(1): 15 (2001); *Caladenia integra*

Phlebochilus leptochilus (Fitzg.) Szlach. in *Polish Bot. J.* 46(1): 15 (2001); *Caladenia leptochila*

Phlebochilus macrostylis (Fitzg.) Szlach. in *Polish Bot. J.* 46(1): 15 (2001); *Caladenia macrostylis*

Phlebochilus ovatus (R.S.Rogers) Szlach. in *Polish Bot. J.* 46(1): 15 (2001); *Caladenia ovata*

Phlebochilus pumilus (R.S.Rogers) Szlach. in *Polish Bot. J.* 46(1): 15 (2001); *Caladenia pumila*

Phlebochilus radialis (R.S.Rogers) Szlach. in *Polish Bot. J.* 46(1): 15 (2001); *Caladenia radialis*

Phlebochilus roei (Benth.) Szlach. in *Polish Bot. J.* 46(1): 15 (2001); *Caladenia roei*

Phlebochilus tessellatus (Fitzg.) Szlach. in *Polish Bot. J.* 46(1): 15 (2001); *Caladenia tessellata*

Phlebochilus wanosus (A.S.George) Szlach. in *Polish Bot. J.* 46(1): 15 (2001); *Caladenia wanosa*

Phragmipedium hartwegii f. *baderi* (Roeth & O.Gruss) O.Gruss in *Caesiana* 16: 40 (2001); *Phragmipedium hartwegii* var. *baderi*

Phragmipedium longifolium f. *gracile* (H.J.Veitch ex Rolfe) O.Gruss in *Caesiana* 16: 40 (2001); *Cypripedium longifolium* var. *gracile*

Phragmipedium longifolium f. *minutum* O.Gruss in *Caesiana* 16: 40 (2001) -Colombia

Phragmipedium subsect. *Lorifolia* (Kraenzl.) Szlach. in *Polish Bot. J.* 46(1): 12 (2001); *Cypripedium* sect. *Lorifolia*

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Phymatidium microphyllum var. *herteri* (Schltr.) Toscano in *Lindleyana* 16(3): 211 (2001); *Phymatidium herteri*

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Pleurothallis luis-diegoi Luer in *Rev. Soc. Boliv. Bot.* 3(1-2): 55 (2001). -Costa Rica

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Plumatichilos barbatus (Lindl.) Szlach. in *Polish Bot. J.* 46(1): 23 (2001); *Pterostylis barbata*

Plumatichilos plumosus (Cady) Szlach. in *Polish Bot. J.* 46(1): 23 (2001); *Pterostylis plumosa*

Plumatichilos tasmanicus (D.L.Jones) Szlach. in *Polish Bot. J.* 46(1): 23 (2001); *Pterostylis tasmanica*

Plumatichilos turfusus (Endl.) Szlach. in *Polish Bot. J.* 46(1): 23 (2001); *Pterostylis turfosa*

Polycynis escobariana G.Gerlach in *Orquideologia* 22(1): 33 (2001) -Colombia

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Polystachya batkoi Szlach. & Olszewski in *Fl. Cameroun* 35: 586 (2001) -Gabon

Polystachya bertauxiana Szlach. & Olszewski in *Fl. Cameroun* 35: 590 (2001) -Cameroon

Polystachya cussetii Szlach. & Olszewski in *Fl. Cameroun* 35: 582 (2001) -Gabon

Polystachya hologlossa (P.J.Cribb & la Croix) Szlach. & Olszewski in *Fl. Cameroun* 35: 580 (2001);
Polystachya calluniflora var. *hologlossa*

Polystachya kornasiana Szlach. & Olszewski in *Fl. Cameroun* 35: 510 (2001) -Congo

Polystachya kubalae Szlach. & Olszewski in *Fl. Cameroun* 35: 509 (2001) -Gabon

Polystachya letouzeyana Szlach. & Olszewski in *Fl. Cameroun* 35: 520 (2001) -Cameroon

Polystachya stodolnyi Szlach. & Olszewski in *Fl. Cameroun* 35: 508 (2001) -Cameroon

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Gymnadenia tominagae.

Ponthieva collantesii D.E.Bennett & E.A.Christenson, *Ic. Orchidac. Peruv.*: t. 556 (1998) -Peru.

×*Priceara* hort. in *Orchid Rev.* 109(1239): new orchid hybrids 13 (2001)

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Prosthechea favoris (Rchb.f.) Salazar & Soto Arenas in *Lindleyana* 16(3): 149 (2001); *Epidendrum favoris*

Prosthechea fusca (Schltr.) D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 750 (2001); *Epidendrum fuscum*

Prosthechea hajekii D.E.Benn. & Christenson, *Ic. Orchidac. Peruv.* t. 750 (2001) -Peru

Pseudoliparis arietina (Ames) Marg. & Szlach. in *Polish Bot. J.* 46(1): 42 (2001); *Malaxis arietina*

Pseudoliparis magnicallosa Marg. & Szlach. in *Polish Bot. J.* 46(1): 39 (2001) -Solomon Is. (South Solomons)

Pseudoliparis orbicularis Marg. & Szlach. in *Polish Bot. J.* 46(1): 39 (2001) -Solomon Is. (South Solomons)

Pseudoliparis ramosii (Ames) Marg. & Szlach. in *Polish Bot. J.* 46(1): 42 (2001); *Malaxis ramosii*

Rauhiella seehaweri (I.Bock) Toscano & Christenson in *Lindleyana* 16(3): 193 (2001); *Chytroglossa seehaweri*

×*Rehfieldara* hort. in *Orchid Rev.* 109(1237): new orchid hybrids 14 (2001)

Rhipidoglossum bilobatum (Summerh.) Szlach. & Olszewski in *Fl. Cameroun* 36: 862 (2001);
Sarcorhynchus bilobatus

Rhipidoglossum magnicalcar Szlach. & Olszewski in *Fl. Cameroun* 36: 860 (2001) -Gabon

Rhipidoglossum ochyrae Szlach. & Olszewski in *Fl. Cameroun* 36: 868 (2001) -Cameroon

Rhipidoglossum orientalis (Mansf.) Szlach. & Olszewski in *Fl. Cameroun* 36: 850 (2001): *Sarcorhynchus orientalis*

Rhipidoglossum polyanthum (Kraenzl.) Szlach. & Olszewski in *Fl. Cameroun* 36: 864 (2001): *Mystacidium polyanthum*

Rhipidoglossum pulchellum var. *geniculatum* (Summerh.) Szlach. & Olszewski in *Fl. Cameroun* 36: 856 (2001): *Diaphananthe pulchella* var. *geniculata*

Rhipidoglossum stellatum (P.J.Cribb) Szlach. & Olszewski in *Fl. Cameroun* 36: 850 (2001): *Diaphananthe stellata*

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Rusbyella peruviana D.E.Benn. & Christenson, *Inc. Orchidac. Peruv.* t. 752 (2001), nom. nov.: *Odontoglossum pusillum* C.Schweinf.

Rusbyella suarezii D.E.Benn. & Christenson, *Inc. Orchidac. Peruv.* t. 753 (2001) -Peru

Saccoglossum takeuchii Howcroft in *Sida* 19(3): 519 (2001) -Bismarck Archipelago

Saurolophorkis Marg. & Szlach. in *Polish Bot. J.* 46(1): 7 (2001)

Saurolophorkis cordanthemom Marg. & Szlach. in *Polish Bot. J.* 46(1): 9 (2001). -New Guinea

Scelochiloides acebeyi R.Vasquez & Dodson in *Rev. Soc. Boliv. Bot.* 3(1-2): 29 (2001). -Bolivia

Scelochilus delcastilloi D.E.Bennett & E.A.Christenson, *Inc. Orchidac. Peruv.*: t. 567 (1998) - Peru.

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Seidenfia sect. *Crenulatae* Szlach. & Marg. in *Polish Bot. J.* 46(1): 48 (2001).

Seidenfia malabarica Marg. & Szlach. in *Polish Bot. J.* 46(1): 59 (2001) -India

Seidenfia versicolor (Lindl.) Marg. & Szlach. in *Polish Bot. J.* 46(1): 56 (2001): *Microstylis versicolor*

Simpliglottis Szlach. in *Polish Bot. J.* 46(1): 13 (2001)

Simpliglottis chlorantha (D.L.Jones) Szlach. in *Polish Bot. J.* 46(1): 13 (2001): *Chiloglottis chlorantha*

Simpliglottis cornuta (Hook.f.) Szlach. in *Polish Bot. J.* 46(1): 13 (2001): *Chiloglottis cornuta*

Simpliglottis gunnii (Lindl.) Szlach. in *Polish Bot. J.* 46(1): 13 (2001): *Chiloglottis gunnii*

Simpliglottis pluricallata (D.L.Jones) Szlach. in *Polish Bot. J.* 46(1): 13 (2001): *Chiloglottis pluricallata*

Simpliglottis turfosa (D.L.Jones) Szlach. in *Polish Bot. J.* 46(1): 14 (2001): *Chiloglottis turfosa*

Simpliglottis valida (D.L.Jones) Szlach. in *Polish Bot. J.* 46(1): 14 (2001): *Chiloglottis valida*

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Sobralia chrysostoma Dressler in *Orchids* 70(8): 750 (2001) -Costa Rica

Sobralia hirta D.E.Benn. & Christenson, *Inc. Orchidac. Peruv.* t. 762 (2001) -Peru

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Sobralia withneri D.E.Benn. & Christenson, *Inc. Orchidac. Peruv.* t. 764 (2001) -Peru

Soprocattleya × *albanensis* (Rolfe) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001): × *Laeliocattleya albanensis*.

Soprocattleya × *amanda* (Rchb.f.) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 110 (2001): *Laelia* × *amanda*.

Soprocattleya × *amoena* (Bleu) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001): × *Laeliocattleya amoena*.

Soprocattleya × *binotii* (Cogn.) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001): × *Laeliocattleya binotii*.

Soprocattleya × *cypheri* (Rolfe) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001): × *Laeliocattleya cypheri*.

Soprocattleya × *dayana* (Pabst) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001): × *Laeliocattleya dayana*.

Soprocattleya ×elegans (C.Morren) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001): *Cattleya elegans*.

Soprocattleya ×gottoiana (Rolfe) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001):
×*Laeliocattleya gottoiana*.

Soprocattleya ×lambari (Pabst) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001):
×*Laeliocattleya lambari*.

Soprocattleya ×leeana (Rchb.f.) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001): *Laelia*
×*leeana*.

Soprocattleya ×occhioniana (Brade) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001):
×*Laeliocattleya occhioniana*.

Soprocattleya ×pittiana (O'Brien) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001):
×*Laeliocattleya pittiana*.

Soprocattleya ×porphyritis (Rchb.f.) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001): *Laelia*
×*porphyritis*.

Soprocattleya ×reginae (Pabst) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001):
×*Laeliocattleya reginae*.

Soprocattleya ×rigbyana (Pabst) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001):
×*Laeliocattleya rigbyana*.

Soprocattleya ×schilleriana (Rchb.f.) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001): *Laelia*
schilleriana.

Soprocattleya ×sgarbii (Ruschi) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 111 (2001):
×*Laeliocattleya sgarbii*.

Soprocattleya ×verelii (Rolfe) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 112 (2001):
×*Laeliocattleya verelii*.

×*Soprocyclia* C.Van den Berg & M.W.Chase in
Lindleyana, 16(2): 112 (2001)

Soprocyclia × *intermedia* (F.E.L.Miranda) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 112 (2001):
×*Encyclaelia intermedia*.

Sophronitis alaorii f. *dietliana* (O.Gruss) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 110 (2001):
Laelia alaorii f. *dietliana*.

Sophronitis ×espirito-santensis (Pabst) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 110 (2001): *Laelia*
×*espirito-santensis*.

Sophronitis ×gerhard-santosii (Pabst) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 110 (2001): *Laelia*
×*gerhard-santosii*.

Sophronitis ×lilacina (Philbrick ex H.J.Veitch) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 110
(2001): *Laelia* ×*lilacina*.

Sophronitis ×wyattiana (Rchb.f.) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 110 (2001): *Laelia*
×*wyattiana*.

Sophronitis ×zaslawskii (L.C.Menezes) C.Van den Berg & M.W.Chase in *Lindleyana*, 16(2): 110 (2001): *Laelia*
×*zaslawskii*.

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We are grateful to the compilers of the Kew Current Awareness Lists and to Anna Lynch, Mark Nesbitt, and Margaret Ramsay for drawing our attention to the following publications.

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Book Reviews

O'Byrne, P. 2001. *A to Z of South East Asian Orchid Species*. Orchid Society of South East Asia, Singapore. 168 pages, 400+ colour photographs, 401 maps. ISBN 981-04-4479-6. Price unknown.

Published to coincide with the forthcoming 17th World Orchid Conference in Shah Alam in April 2002, this handy-sized and well-illustrated book is timely in reminding us of the rich diversity of the orchid flora of South-east Asia.

It aims to introduce South-east Asian orchids to a broader public by highlighting selected species in each of the 94 genera found in the region. Over 400 species are described, each illustrated by a clear colour photograph. The region covered extends from southern

China and Indo-china in the north to the Malay Archipelago and the Philippines in the south. The accounts of each species are brief, covering distribution, habitat, and essential characteristics. Distinctive and unique features of each account are vignettes to illustrate habit and charts to show flowering season, climate regime in cultivation, and appropriate cultivation treatment. A clear map that highlights distribution by country accompanies every species account.

Many unusual species are included, several of which I have not seen colour photographs until now, including *Bulbophyllum klabatense* J.J.Sm. (Sulawesi), *B. sopoetanense* Schltr. (Sulawesi), *B. woelffliae* Garay, Hamer & Siegerist (Sulawesi), *Coelogyne tommii* Gravend. & O'Byrne (Java), *Dendrobium auriculatum* Ames & Quis. (Philippines), *D. busuangense* Ames (Philippines), *Papilionanthe tricuspidata* (J.J.Sm.) Garay (Moluccas), and *Staurochilus guibertii* (Linden & Rchb.f.) E.A.Christenson. Several of the new species described recently by the author are included, for example, *Eria elisheae* (Philippines), *Malaxis hoi* (Malayan), *Bulbophyllum uvaeflorum* (Sulawesi), *Notheria diaphana* O'Byrne & Verm. (Sulawesi) and *Vanilla diabolica* (Sulawesi). Also included are photographs of some unusual genera, such as *Chroniochilus*, *Cordiglottis*, and *Parapteroceras*.

Altogether this is a handy and well-produced introduction to the orchids of the region that I can recommend to readers.

Phillip Cribb

Kreutz, C. A. J. 2001. *Veldgids Nederlandse Orchideeën*. C.A.J. Kreutz, Landgraf, Netherlands (www.kreutz@info). In Dutch. 120 pages, many colour photographs. ISBN 90-806626-1-5. Price: 10 Euros.

This exceptionally well-illustrated and presented guide to the orchids of the Netherlands is handy-sized and will fit easily in the pocket of the average jacket or anorak. The Dutch orchid flora of 48 species is poor compared with that of many European countries, such as France, Italy or Greece, but it compares well with that of the countries of northern Europe, including the UK. It contains all of the British species except *Cypripedium calceolus*, *Epipactis leptochila*, *E. phyllanthes*, *E. purpurata*, *E. dunensis*, and *Epipogium aphyllum* but compensates by having *Dactylorhiza sphagnicola*, *D. elata* subsp. *sesquipedalis*, *Epipactis muelleri*, and *Orchis coriophora* that do not occur there.

The nomenclature follows the traditional application of the genus *Orchis* rather than the recent system proposed by Bateman *et al.* That is now being more widely taken up. Otherwise, the nomenclature is standard. Each

species account covers description, flowering time, ecology, and habitat preferences.

The text is Dutch but can be more or less understood by those speaking either English and German or preferably a little of both. This will be a useful guide to those interested in Dutch orchids and might also find a wider audience in northern Europe.

Phillip Cribb

Luer, C. A. 2001. *Systematics of Masdevallia. Part 3. Icones Pleurothallidarum XXII*. Missouri Botanical Garden, St. Louis, Missouri. 261 pages, 133 line drawings, 133 maps, 1 colour photograph. ISBN 1-930723-06-7. Price unknown.

Carl Luer's tour-de-force continues with the publication of the 23rd part of the *Icones Pleurothallidarum* series. This volume covers about 100 species in *Masdevallia* subsection *Masdevallia* sect. *Minutae*. Two further species have been added to sect. *Polyantha* published in the previous volume.

This volume follows the format of previous volumes, with the species of the subsection or section being keyed out and then each species treated in some detail. The account for each species includes nomenclature, a description, collections examined, a taxonomic discussion, distribution map, and a clear line drawing of the habit and a floral dissection. *Masdevallia deniseana*, *M. leonardoii*, *M. medinae*, *M. suinii*, and *M. idae* are newly described here.

This volume is a must for all pleurothallidophiles. If you use it a lot, then invest in having it bound as the green covers crack quickly with use.

Phillip Cribb

Stévant, T. and de Oliveira, F. 2000. *Guide des Orchidées de São Tomé et Príncipe*. ECOFAC, B.P. 9 São Tomé. 257 pages, 191 colour drawings. DLBN 1426-06/01. Price unknown.

This is the first popular account of the orchids of the two islands of São Tomé and Príncipe that lie in the Gulf of Guinea off the coast of Gabon in West Africa. From the two islands 129 species have been recorded, 101 from São Tomé and 64 from Príncipe. The authors alone have added an amazing 43 species to the flora in the course of their studies over the past few years.

The watercolour sketches of the orchids are adequate for the identification of the orchids. Keys are provided for the identification of the genera and species. Every species is described in the text. Each species account includes information on its distribution in the islands, general distribution, habitat, a phenology chart, and a taxonomic discussion.

The text is in French. The book is hard-covered and in landscape format. It will just about fit into an anorak pocket. This is a useful addition to our knowledge of the tropical African flora.

Phillip Cribb

Cootes, J. 2001. *The Orchids of the Philippines*. Timber Press, Portland, Oregon. 231 pages, numerous colour photographs. ISBN 981-232-100-4. Price: \$49.95.

The Philippines orchid flora has given many spectacular species to horticulture, and it is perhaps surprising that so few books have been published on this rich flora. Helen Valmayor's two-volume *Orchidiana Philippiniana* is the only significant book on Philippine orchids published in recent years, but it is more a coffee-table-sized production than an easily usable guide. Jim Cootes's book comes within the latter category, covering more than 300 of the 1000 or so species that have been reported from the archipelago.

The text is clearly laid out with introductory chapters on geography, climate, and floristic zones. The main text covers the genera in alphabetic order, with one to several species being treated in each genus. For each species, a description, habitat and distribution information, and a colour photograph are provided. The photographs are by-and-large excellent. The nomenclature is sound. Several unusual species are covered, including *Amesiella monticola*, *Arachnis longicaulis*, *Bulbophyllum facetum*, *B. maquilingense*, *B. nymphopolitanum*, *B. pardalotum*, *Ceratocentron fessellii*, *Ceratostylis ingognita*, *Dendrobium fairchildiae*, *D. profusum*, *Macropodanthus philippinensis*, *Megalotus bifidus*, and *Vanda ustii*.

The book concludes with short chapters on cultivation and a glossary. An appendix gives sectional accounts of Philippine *Bulbophyllum* and *Dendrobium* species and their allies. The author has chosen to follow the generic segregates of *Bulbophyllum* recognised by Garay, Hamer & Siegerist and those of *Dendrobium* recognised by Clements. For my part, I think that the author is premature in following them because in both cases only part of each genus has been considered and evidence to support these splits is incomplete or unpublished.

Nevertheless, this is a valuable addition to the literature on Philippine orchids. I have already used it to identify a couple of recalcitrant species for which I could find no illustrations elsewhere. Its production is of a high quality, and it will be a useful addition to any orchid library.

Phillip Cribb