

# Orchid Research Newsletter No. 41

## Introduction

When the American Orchid Society Trustees and staff conceived of a scientific journal devoted to orchids some 18-19 years ago, no one had any idea how time-consuming it would be -- arranging for proceedings of symposia to fill the first volume and soliciting original manuscripts for succeeding ones, obtaining bids from printers, publicizing the journal, designing the cover with the classic image of John Lindley and setting the style within, and establishing a subscriber base. The dedication of the AOS staff and volunteers to the project demonstrated their foresightedness and confidence that the journal would be successful.

Indeed, it was. For 51 issues, edited at various times by Gustavo Romero, Mark Chase, and me, we helped to focus orchid research into one peer-reviewed, respected journal covering all aspects of orchid science. For 17 years, all of us helped to bring to light the most recent experimental results from physiology to pollination, micropropagation to phylogenetics, as well as descriptions and illustrations of hundreds of new taxa. Just as important, we offered an outlet for dialogue and publication of papers from the next generation of orchid scientists around the world. The legacies of these papers, some of them tangible, some not so obvious, will outlive *Lindleyana*. We tried to set a high standard by which scientific orchid periodicals would be judged in the future.

Bad news: with much regret we must announce that the American Orchid Society ceased its publication of *Lindleyana* in December 2002 with volume 17. Despite several promotions and publicity to encourage circulation figures that would pay for printing and distribution of this respected quarterly, the budget shortfall in today's lacklustre economy forced the AOS to take this unfortunate decision.

Good news: we have just learned that a leading scientific institution is considering adopting the journal and continuing publication. More information will be available here when and if the agreement between all concerned parties is formalized. In the meantime, please continue to submit papers for *Lindleyana* to its distinguished editor, Dr. Mark Chase, at the Royal Botanic Gardens, Kew.

Alec Pridgeon

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## News from Correspondents

**Clayton, Dudley** (30, Orchard Close Alresford, Hampshire SO24 9PY, UK) has recently completed *The Genus Coelogyne: A Synopsis*. He is

currently applying the taxonomic descriptions of *Coelogyne* species to the Delta format (Description Language for Taxonomy). He is preparing a database and recording the contents of John Day's 53 "Scrapbooks", now in the possession of the Royal Botanic Gardens, Kew. John Day produced a vast array of watercolours and drawings, together with manuscript notes and extracts from publications, including *Botanical Magazine* and *Gardeners' Chronicle*. The Scrapbooks represent a comprehensive record of the orchid species introduced into Britain between 1863 and 1888. He is also assembling a database with available biographical information on botanists, plant collectors, nurserymen, gardeners, notable amateur growers, and artists associated with Orchidaceae.

**Farrell, Lynne** (address correction: SNH, Battleby, Redgorton, Pert PN1 3EW, UK) is currently monitoring populations of *Cephalanthera longifolia* in Argyll, Scotland.

**Forster, Wellington** (Universidade de São Paulo, Escola Superior de Agricultura "Luiz de Queiroz", Departamento de Ciências Biológicas, Avenida Pádua Dias, 11 – Agronomia 13418-900 Piracicaba-SP, Brazil; e-mail: [wforster@carpa.ciagri.usp.br](mailto:wforster@carpa.ciagri.usp.br)) has begun a Ph.D. thesis on a taxonomic revision of *Octomeria* (Pleurothallidinae) as well as the phylogeny of *Octomeria* and related genera.

**Lang, David Christopher** (1 Oaktree, Barcombe, Lewes, E. Sussex BN8 5DP), on the heels of his book *Wild Orchids of Sussex* (published 2001), has prepared a book on Sikkim, covering four expeditions made over the last 17 years, especially to remote areas in the northern part of the country. It has a slant on botany with reference to terrestrial orchids in particular. Mohan Pradhan supplied a specialist chapter and colour slides on the forest orchids of Sikkim. Archive materials on Joseph Hooker, including scenic and floral watercolours, were supplied by the Royal Botanic Gardens, Kew. Geology, geography, and history are covered where relevant to the botany and exploration of Sikkim. The book now awaits acceptance by Sikkim authorities. Financing of the Sikkim book is a problem, he writes, as estimates for printing 3000 copies are over £17,000. It will contain about 350 colour photos in addition to black-and-white archival pictures. Text and photos cover many alpine in addition to orchids and rhododendrons and span April to October. At present there is an encouraging interest from Sikkim, but if this fails to result in financial commitment then he cannot afford personally to risk the costs. He would welcome any solutions to this dilemma.

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## Upcoming Conferences

This spring will be a busy one for orchid biologists.

**The European Orchid Conference and Show** will be held in at the Royal Horticultural Society Halls in London, England, from the 12<sup>th</sup> through the 16<sup>th</sup> of March 2003. Apart from the spectacular show with RHS judging and vendors from around the world, there will also be six sessions of lectures from many of the world's leading orchid scientists and growers. There will be two sessions of lectures running in parallel each day from the 13<sup>th</sup> through the 15<sup>th</sup>. In addition there will be tours of London and Wakehurst Place and the Millennium Seed Bank followed by a visit to McBean's Orchids during the Conference and post-Conference tours to 1) the Royal Botanic Gardens, Kew, and the RHS Gardens, Wisley; 2) the Eric Young Orchid Foundation and the Durrell Wildlife Trust; 3) the Mary Rose Museum and Ship Hall at Portsmouth Dockyard and a tour of Orchid Answers; and 4) the Eden Project, Pine Lodge, Trebah, and Hestercombe Gardens and Burnham Orchid Nursery. Capping the Conference will be a Gala Dinner held at the New Palace of Westminster (Houses of Parliament) on Saturday, 15 March, with presentation of trophies and awards. Further details on registration, the lecture programme, judging, accommodations, and tours are available on the Conference website (<http://www.eoc2003.org.uk>) or by contacting Mr. Iain C. Wright, Registrar, EOC2003, The Windmill, Vennington, Westbury Shrewsbury SY5 9RG, UK (e-mail: [eoc2003.registrar@which.net](mailto:eoc2003.registrar@which.net)).

The **Third International Conference on the Comparative Biology of the Monocotyledons and the Fourth International Symposium on Grass Systematics and Evolution** will be held from 31 March through 4 April 2003 at the Ontario Convention Center in southern California, about 55 km east of Los Angeles. Lecture topics will include morphology, anatomy, development, reproductive biology, molecular biology, cytology, genomics, genetics, biochemistry, paleobotany, phylogenetics, classification, biogeography, ecology, and data integration. Over 30 sessions, including at least one on Orchidaceae, have been organized on topics ranging from genomics to systematics and ecology. The conference proceedings will be published. Exciting multi-day and one-day field trips before, during, and after the Conference will take in the spring flora of Baja California, Death Valley National Park, Santa Catalina Island, the Santa Rosa Plateau, the Granite Mountains of the Mojave Desert, and much more. For further information and online registration, visit the Conference website (<http://www.monocots3.org>) or e-mail [info@monocots3.org](mailto:info@monocots3.org). You may also obtain details by writing to: Monocots III, Rancho Santa Ana Botanic Garden, 1500 North College Avenue, Claremont, CA

91711-3157 USA (tel. 1-909-625-8767 ext. 333, fax: 1-909-626-7670).

To emphasize the importance of public awareness about global themes related to orchid conservation, the Jardín Botánico Lankester of Universidad de Costa Rica is organizing the **First International Conference of Neotropical Orchidology and the Third Meeting of the Regional Mesoamerican Orchid Specialist Group, UICN/SSC**, to be held in San José at Ciudad de la Investigación of Universidad de Costa Rica, from 21–24 May 2003. The main themes of the Conference will be global perspectives in conservation, advances in orchid phylogeny, population genetics, data and information management and pollination biology. The Conference is being sponsored by the Charles Lankester Foundation. If you are interested in participating in the Conference or wish more information, please send an e-mail to [jbl@cariari.ucr.ac.cr](mailto:jbl@cariari.ucr.ac.cr), or telephone the Organizing Committee on (506) 552-3247 (fax: (506) 552-3151).

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## Important Message to ORN Subscribers

Postage costs have risen such that it is no longer possible for us to mail out hard copies of the *Orchid Research Newsletter* to all 800+ subscribers around the world. Ideally, all subscribers would have access to the Internet so that they could read the latest issue on the website of the Royal Botanic Gardens, Kew. We know that this is impossible for many subscribers, especially in developing countries, and ask them to contact Dr. Dave Roberts (Herbarium, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AB; 44-(0)20-8332-5291; [d.roberts@rbgkew.org.uk](mailto:d.roberts@rbgkew.org.uk)) for continued mailings of the ORN to their addresses. We encourage all others to read current and past numbers of the ORN at <http://www.rbkew.org.uk/herbarium/orchid/>.

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## Orchids of Malesia on CD-ROM

Funding has been acquired from the Cheng Kim Loke Foundation and the Pacific Biological Foundation to continue publishing all 3000 New Guinea orchid species on CD-ROM in the same format until the end of 2005. In the same period, checklists on CD-ROM will be published for the orchids of the Philippines and Vietnam.

CD-ROMs dealing with orchids of Malaysia, Singapore, Indonesia, Brunei, the Philippines, and Papua New Guinea will be official Flora Malesiana publications. The project is carried out in association with Royal Botanic Gardens Kew, England, and the National Capital Botanic Gardens, Port Moresby, Papua New Guinea.

Volunteer Mr. P. Hartog continues to scan the the original pencil drawings of New Guinea orchids by J. J. Smith, of which c. 3700 are completed; some 1000 non-New Guinea drawings are pending. About 1650 images have been used in the two published CD-ROMs [see review of the second one below]. Some 570 illustrations of New Guinea orchids were scanned from various publications, including the illustrations from Schlechter's New Guinea publications. About 420 of these have been used in the two published CD-ROMs.

The number of top photographers contributing their Southeast Asian orchid slide collections for free use in this project has grown to over 35. About 1500 additional colour slides have been digitized and entered in a database.

The project is being coordinated by E. F. de Vogel and implemented by A. Schuiteman, assisted by de Vogel. Information about the CD-ROM project and contact persons for potential donors are as follows:

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tel. +31 71 5273553

André Schuiteman [schuiteman@nhn.leidenuniv.nl](mailto:schuiteman@nhn.leidenuniv.nl)  
tel. +31 71 5273553

## Recent Orchid Nomenclature

We thank Rosemary Davies for supplying new orchid names received by *Index Kewensis* from 1 July 2002 through 30 November 2002.

*Acianthera adamantinensis* (Brade) F.Barros in *Bradea* 8(43): 294 (2002); *Pleurothallis adamantinensis*

*Acianthera floribunda* (Lindl.) F.Barros in *Bradea* 8(43): 294 (2002); *Specklinia floribunda*

*Acianthera guimaraensis* (Brade) F.Barros in *Bradea* 8(43): 294 (2002); *Pleurothallis guimaraensis*

*Acianthera heliconiscapa* (Hoehne) F.Barros in *Bradea* 8(43): 294 (2002); *Pleurothallis heliconiscapa*

*Acianthera jordanensis* (Brade) F.Barros in *Bradea* 8(43): 294 (2002); *Cryptophoranthus jordanensis*

*Acianthera juergensii* (Schltr.) F.Barros in *Bradea* 8(43): 294 (2002); *Cryptophoranthus juergensii*

*Acianthera minima* (Cogn.) F.Barros in *Bradea* 8(43): 295 (2002); *Cryptophoranthus minimus*

*Acianthera punctata* (Barb.Rodr.) F.Barros in *Bradea* 8(43): 295 (2002); *Cryptophoranthus punctatus*

*Acianthera purpureoviolacea* (Cogn.) F.Barros in *Bradea* 8(43): 295 (2002); *Pleurothallis purpureoviolacea*

*Acianthera rupestris* (Lindl.) F.Barros in *Bradea* 8(43): 295 (2002); *Pleurothallis rupestris*

*Acianthopsis* Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Acianthus* subgen. *Univiscidiatus* Kores

*Acianthopsis* sect. *Macropetalus* (Kores) Szlach. in *Polish Bot. J.* 46(2): 144 (31 Dec. 2001); *Acianthus* sect. *Macropetalus*

*Acianthopsis aegeridantennata* (N.Hallé) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Acianthus aegeridantennatus*

*Acianthopsis amplexicaulis* (F.M.Bailey) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Microstylis amplexicaulis*

*Acianthopsis bracteata* (Rendle) Szlach. in *Polish Bot. J.* 46(2): 144 (31 Dec. 2001); *Acianthus bracteatus*

*Acianthopsis confusa* (Guillaumin) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Acianthus confusus*

*Acianthopsis corniculata* (Rendle) Szlach. in *Polish Bot. J.* 46(2): 144 (31 Dec. 2001); *Acianthus corniculatus*

*Acianthopsis cymbalariifolia* (F.Muell. & Kraenzl.) Szlach. in *Polish Bot. J.* 46(2): 144 (31 Dec. 2001); *Acianthus cymbalariifolius*

*Acianthopsis elegans* (Rchb.f.) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Acianthus elegans*

*Acianthopsis grandiflora* (Schltr.) Szlach. in *Polish Bot. J.* 46(2): 144 (31 Dec. 2001); *Acianthus grandiflorus*

*Acianthopsis halleana* (Kores) Szlach. in *Polish Bot. J.* 46(2): 144 (31 Dec. 2001); *Acianthus halleanus*

*Acianthopsis heptadactyla* (Kraenzl.) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Acianthus heptadactylus*

*Acianthopsis macroglossa* (Schltr.) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Acianthus macroglossus*

*Acianthopsis oxyglossa* (Schltr.) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Acianthus oxyglossus*

*Acianthopsis tenuilabris* (Schltr.) Szlach. in *Polish Bot. J.* 46(2): 144 (31 Dec. 2001); *Acianthus tenuilabris*

- Acianthopsis veillonis* (N.Hallé) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Acianthus veillonis*
- Aerangis ×chirioana* Bellone & Chiron in *Richardiana* 2(4): 132 (2002)-Cameroon (*Aerangis biloba* × *Aerangis kotschyana*)
- Alatiliparis angustiflora* (J.J.Sm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 114 (2001); *Liparis angustiflora*
- Alatiliparis lepanthes* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 114 (2001); *Liparis lepanthes*
- Alatiliparis speculifera* (J.J.Sm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 114 (2001); *Liparis speculifera*
- Alinorchis* Szlach. in *Polish Bot. J.* 46(2): 129 (2001).
- Alinorchis aethiopica* (S.Thomas & P.J.Cribb) Szlach. in *Polish Bot. J.* 46(2): 129 (2001); *Habenaria aethiopica*
- Alinorchis decorata* (Hochst. ex A.Rich.) Szlach. in *Polish Bot. J.* 46(2): 129 (2001); *Habenaria decorata*
- Alinorchis tricuris* (A.Rich.) Szlach. in *Polish Bot. J.* 46(2): 129 (2001); *Platanthera tricuris*
- Anathallis montipelladensis* (Hoehne) F.Barros in *Bradea* 8(43): 295 (2002); *Pleurothallis montipelladensis*
- Anathallis paranaensis* (Schltr.) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002); *Pleurothallis paranaensis*
- Ancistrochilus thailandicus* (Seidenf.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 113 (2001); *Ipsa thailandica*
- Angraecum sanfordii* P.J.Cribb & B.J.Pollard in *Kew Bull.* 57(3): 653 (2002)-Cameroon
- Anoectochilus nanlingensis* L.P.Siu & K.Y.Lang in *Acta Phytotax. Sin.* 40(2): 164 (2002)-China Southeast (Guangdong)
- Anoectochilus roxburghii* (Wall.) Lindl., *Ill. Bot. Himal. Mts.* 368 (1839); *Chrysobaphus roxburghii*
- Anteriorchis fragrans* (Pollini) Szlach. in *Polish Bot. J.* 46(2): 127 (2001); *Orchis fragrans*
- Appendicula schlechteri* J.J.Sm. ex Ormerod in *Oasis* 2(3): 8 (2002); *Chilopogon bracteatum*
- Appendicula scissosaccus* (Gilli) Ormerod in *Oasis* 2(3): 8 (2002); *Cyphochilus scissosaccus*
- Appendiculopsis lateralis* (J.J.Sm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 113 (2001); *Agrostophyllum laterale*
- Armodorum senapatianum* Phukan & A.A.Mao in *Orchid Rev.* 110(1247): 299 (2002)-Assam (Manipur)
- ×*Baptiquezia* Lorincz & J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1247): 83 (2002) (*Baptistonia* × *Rodriguezia*)
- Barlia canariensis* (Lindl.) Szlach. in *Polish Bot. J.* 46(2): 127 (2001); *Orchis canariensis*
- Barlia cazorlensis* (Lacaita) Szlach. in *Polish Bot. J.* 46(2): 127 (2001); *Orchis cazorlensis*
- Barlia collina* (Banks & Sol.) Szlach. in *Polish Bot. J.* 46(2): 127 (2001); *Orchis collina*
- Barlia patens* (Desf.) Szlach. in *Polish Bot. J.* 46(2): 127 (2001); *Orchis patens*
- Barlia prisca* (Hautz.) Szlach. in *Polish Bot. J.* 46(2): 127 (2001); *Orchis prisca*
- Barlia spitzelii* (Saut. ex W.D.J.Koch) Szlach. in *Polish Bot. J.* 46(2): 128 (2001); *Orchis spitzelii*
- Bletia riparia* Sosa & Palestina in *Brittonia* 54(2): 107 (2002)-Mexico Gulf (Veracruz)
- Brachionidium machupicchuense* N.Salinas & Christenson in *Orchids* 71(8): 717 (2002)-Peru
- Bulbophyllum ialibuense* Ormerod in *Oasis* 2(3): 8 (2002)-New Guinea (Papua New Guinea)
- Bulbophyllum mystax* Schuit. & de Vogel in *J. Orchideenfreund* 9(3): 216 (2002)-New Guinea (Irian Jaya)
- Bulbophyllum ramulicola* Schuit. & de Vogel in *J. Orchideenfreund* 9(3): 218 (2002)-New Guinea (Irian Jaya)
- Bulbophyllum rosemarianum* Sath.Kumar, P.C.S.Kumar & Saleem in *Rheedea* 11(2): 97 (2001)-India (Kerala)
- Bulbophyllum xanthornis* Schuit. & de Vogel in *J. Orchideenfreund* 9(3): 220 (2002)-New Guinea (Papua New Guinea)
- Calonemorchis* Szlach. in *Polish Bot. J.* 46(2): 137 (31 Dec. 2001); *Caladenia* sect. *Calonema* Lindl.
- Calonemorchis aereochila* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 137 (31 Dec. 2001); *Caladenia aereochila*

*Calonemorchis aestiva* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 137 (31 Dec. 2001); *Caladenia aestiva*

*Calonemorchis anthracina* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Caladenia anthracina*

*Calonemorchis arenaria* (Fitzg.) Szlach. in *Polish Bot. J.* 46(2): 137 (31 Dec. 2001); *Caladenia arenaria*

*Calonemorchis argocalla* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 137 (31 Dec. 2001); *Caladenia argocalla*

*Calonemorchis audasii* (R.S.Rogers) Szlach. in *Polish Bot. J.* 46(2): 137 (31 Dec. 2001); *Caladenia audasii*

*Calonemorchis beaugleholei* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 137 (31 Dec. 2001); *Caladenia beaugleholei*

*Calonemorchis bicalliata* (R.S.Rogers) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia bicalliata*

*Calonemorchis brumalis* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia brumalis*

*Calonemorchis caesarea* (Domin) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia filamentosa* var. *caesarea*

*Calonemorchis calcicola* (G.W.Carr) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia calcicola*

*Calonemorchis caudata* (Nicholls) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia caudata*

*Calonemorchis clavula* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia clavula*

*Calonemorchis colorata* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia colorata*

*Calonemorchis concinna* (Rupp) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia dilatata* var. *concinna*

*Calonemorchis concolor* (Fitzg.) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia concolor*

*Calonemorchis conferta* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia conferta*

*Calonemorchis corynepetala* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia corynepetala*

*Calonemorchis corynephora* (A.S.George) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia corynephora*

*Calonemorchis crebra* (A.S.George) Szlach. in *Polish Bot. J.* 46(2): 138 (31 Dec. 2001); *Caladenia crebra*

*Calonemorchis demissa* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia demissa*

*Calonemorchis denticulata* (Lindl.) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia denticulata*

*Calonemorchis dienema* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 143 (31 Dec. 2001); *Caladenia dienema*

*Calonemorchis dilatata* (R.Br.) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia dilatata*

*Calonemorchis discoidea* (Lindl.) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia discoidea*

*Calonemorchis dorrienii* (Domin) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia dorrienii*

*Calonemorchis echidnachila* (Nicholls) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia echidnachila*

*Calonemorchis eminens* (Domin) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia longicauda* var. *eminens*

*Calonemorchis ensata* (Nicholls) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia ensata*

*Calonemorchis falcata* (Nicholls) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia dilatata* var. *falcata*

*Calonemorchis ferruginea* (Nicholls) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia ferruginea*

*Calonemorchis filamentosa* (R.Br.) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia filamentosa*

*Calonemorchis filifera* (Lindl.) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia filifera*

*Calonemorchis fitzgeraldii* (Rupp) Szlach. in *Polish Bot. J.* 46(2): 139 (31 Dec. 2001); *Caladenia fitzgeraldii*

*Calonemorchis flaccida* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 140 (31 Dec. 2001); *Caladenia flaccida*

*Calonemorchis floribunda* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia floribunda*

*Calonemorchis fragrantissima* (D.L.Jones & G.W.Carr) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia fragrantissima*

*Calonemorchis gladiolata* (R.S.Rogers) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia gladiolata*

*Calonemorchis graminifolia* (A.S.George) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia graminifolia*

*Calonemorchis haemantha* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia haemantha*

*Calonemorchis hastata* (Nicholls) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia patersonii* var. *hastata*

*Calonemorchis hirta* (Lindl.) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia hirta*

*Calonemorchis huegelii* (Rchb.f.) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia huegelii*

*Calonemorchis infundibularis* (A.S.George) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia infundibularis*

*Calonemorchis leptoclavia* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia leptoclavia*

*Calonemorchis lindleyana* (Rchb.f.) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia patersonii* var. *lindleyana*

*Calonemorchis lobata* (Fitzg.) Szlach. in Polish Bot. J. 46(2): 140 (31 Dec. 2001); *Caladenia lobata*

*Calonemorchis longicauda* (Lindl.) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia longicauda*

*Calonemorchis longiclavata* (E.Coleman) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia longiclavata*

*Calonemorchis macroclavia* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia macroclavia*

*Calonemorchis magniclavata* (Nicholls) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia magniclavata*

*Calonemorchis magnifica* (Nicholls) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia patersonii* var. *magnifica*

*Calonemorchis necrophylla* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia necrophylla*

*Calonemorchis pallida* (Lindl.) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia pallida*

*Calonemorchis patersonii* (R.Br.) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia patersonii*

*Calonemorchis pectinata* (R.S.Rogers) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia pectinata*

*Calonemorchis phaeoclavia* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia phaeoclavia*

*Calonemorchis plicata* (Fitzg.) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia plicata*

*Calonemorchis radiata* (Nicholls) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia radiata*

*Calonemorchis reticulata* (Fitzg.) Szlach. in Polish Bot. J. 46(2): 141 (31 Dec. 2001); *Caladenia reticulata*

*Calonemorchis rhomboidiformis* (E.Coleman) Szlach. in Polish Bot. J. 46(2): 142 (31 Dec. 2001); *Caladenia dilatata* var. *rhomboidiformis*

*Calonemorchis richardsiorum* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 142 (31 Dec. 2001); *Caladenia richardsiorum*

*Calonemorchis rigens* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 142 (31 Dec. 2001); *Caladenia rigens*

*Calonemorchis rigida* (R.S.Rogers) Szlach. in Polish Bot. J. 46(2): 142 (31 Dec. 2001); *Caladenia rigida*

*Calonemorchis saggicola* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 143 (31 Dec. 2001); *Caladenia saggicola*

*Calonemorchis septuosa* (D.L.Jones) Szlach. in Polish Bot. J. 46(2): 142 (31 Dec. 2001); *Caladenia septuosa*

*Calonemorchis sigmoidea* (R.S.Rogers) Szlach. in Polish Bot. J. 46(2): 142 (31 Dec. 2001); *Caladenia sigmoidea*

*Calonemorchis stellata* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 142 (31 Dec. 2001); *Caladenia stellata*

*Calonemorchis stricta* (R.J.Bates) Szlach. in *Polish Bot. J.* 46(2): 142 (31 Dec. 2001); *Caladenia dilatata* var. *stricta*

*Calonemorchis tentaculata* (Schltdl.) Szlach. in *Polish Bot. J.* 46(2): 142 (31 Dec. 2001); *Caladenia tentaculata*

*Calonemorchis toxochila* (Tate) Szlach. in *Polish Bot. J.* 46(2): 142 (31 Dec. 2001); *Caladenia toxochila*

*Calonemorchis uliginosa* (A.S.George) Szlach. in *Polish Bot. J.* 46(2): 142 (31 Dec. 2001); *Caladenia uliginosa*

*Calonemorchis valida* (Nicholls) Szlach. in *Polish Bot. J.* 46(2): 142 (31 Dec. 2001); *Caladenia reticulata* var. *valida*

*Calonemorchis woolcockiorum* (D.L.Jones) Szlach. in *Polish Bot. J.* 46(2): 142 (31 Dec. 2001); *Caladenia woolcockiorum*

*Catasetum alatum* M.F.F.Silva & A.T.Oliveira in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 17(2): 363 (2001 publ. 2002)-Brazil North (Rondônia)

*Catasetum albuquerquei* M.F.F.Silva & A.T.Oliveira in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 15(2): 112 (1999)-Brazil Northeast (Maranhão)

*Catasetum bifidum* A.T.Oliveira & da Silva in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 16(2): 155 (2000 publ. 2001)-Brazil Northeast (Maranhão)

*Catasetum carrenhianum* M.F.F.Silva & A.T.Oliveira in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 15(2): 110 (1999)-Brazil Northeast (Maranhão)

*Catasetum caxarariense* M.F.F.Silva & A.T.Oliveira in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 17(2): 356 (2001 publ. 2002)-Brazil North (Rondônia)

*Catasetum osakadianum* M.F.F.Silva & A.T.Oliveira in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 17(2): 360 (2001 publ. 2002)-Brazil North (Rondônia)

*Catasetum palmeirinhense* A.T.Oliveira & da Silva in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 16(2): 158 (2000 publ. 2001)-Brazil Northeast (Maranhão)

*Catasetum rigidum* A.T.Oliveira & da Silva in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 16(2): 153 (2000 publ. 2001)-Brazil Northeast (Maranhão)

*Catasetum seccoii* M.F.F.Silva & A.T.Oliveira in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 15(2): 107 (1999)-Brazil Northeast (Maranhão)

*Chloraea wittei* Hicken in *Physis* (Buenos Aires) 3: 97 (1917)-Argentina South (Santa Cruz)

*Cleisocentron abasii* Cavestro in *Orchidophile* (Asnières) 153: 184 (2002)-Borneo (Sabah)

×*Cloughara* G.F.Carr & J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1247): 83 (2002) (*Catasetum* × *Clowesia* × *Cycnoches*)

*Coryanthes minima* A.T.Oliveira & da Silva in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 17(2): 270 (2001 publ. 2002)-Brazil North (Pará)

*Crepidium aphyllum* (King & Pantl.) Nag.Rao in *J. Orchid Soc. India* 14(1-2): 65 (2000); *Microstylis aphylla*

*Crepidium saprophytum* (King & Pantl.) Nag.Rao in *J. Orchid Soc. India* 14(1-2): 65 (2000); *Microstylis saprophyta*

×*Cyclodes* G.F.Carr & J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1247): 83 (2002) (*Clowesia* × *Cycnoches* × *Mormodes*)

*Cycnoches cooperi* var. *villena* G.F.Carr & A.Prieto in *Richardiana* 2(4): 159 (2002)-Peru

×*Cymaclosetum* G.F.Carr & J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1247): 83 (2002) (*Catasetum* × *Clowesia* × *Cymbidium*)

*Cymbidium teretipetiolatum* Z.J.Liu & S.C.Chen in *Orchidee (Hamburg)* 53(3): 338 (2002)-China South-Central (Yunnan)

*Cynorkis comorensis* Bosser in *Adansonia* 24(1): 21 (2002)-Comoros

*Cypripedium agnicapitatum* Y.N.Lee in *Bull. Korea Pl. Res.* 2: 28 (2002)-Manchuria?

*Cypripedium morinanthum* Y.N.Lee in *Bull. Korea Pl. Res.* 2: 31 (2002)-Manchuria?

*Cypripedium neoparviflorum* Y.N.Lee in *Bull. Korea Pl. Res.* 2: 31 (2002)-Manchuria?

*Cypripedium roseum* Y.N.Lee in *Bull. Korea Pl. Res.* 2: 32 (2002)-Manchuria?

*Cypripedium sinapoides* Y.N.Lee in *Bull. Korea Pl. Res.* 2: 30 (2002)-Manchuria?

*Cyrtochilum ionodon* (Rchb.f.) Dalström in *Lindleyana* 17(2): 92 (2002); *Oncidium ionodon*

*Cyrtochilum kopfianum* (Königer) Dalström in *Lindleyana* 16(2): 66 (2001); *Trigonochilum kopfianum*

*Cyrtochilum miradoreense* (D.E.Benn. & Christenson) Dalström in *Lindleyana* 16(2): 71 (2001); *Oncidium miradoreense*

*Cyrtochilum stenochilum* (Linden & Rchb.f.) Dalström in *Lindleyana* 17(2): 92 (2002); *Odontoglossum stenochilum*

*Cyrtochilum villenarum* Christenson in *Orchids* 71(7): 616 (2002)-Peru

*Dendrobium* sect. *Finetianthe* Ormerod in *Oasis* 2(2): 5 (2002)

*Dendrobium* nothosect. *Spatulanthe* Ormerod in *Oasis* 2(2): 6 (2002) (*Dendrobium* sect. *Phalaenanthex* × *Dendrobium* sect. *Spatulata*)

*Dendrobium fusciflorum* Ormerod in *Oasis* 2(3): 9 (2002); *Poaephyllum fuscum*

*Dendrobium speckmaieri* Fessel & Lückel in *Orchidee* (Hamburg) 53(3): 336 (2002)-Sulawesi

*Dendrobium superbiens* var. *vinicolor* (St.Cloud) Ormerod in *Oasis* 2(2): 6 (2002); *Dendrobium vinicolor*

*Dendrobium suzukii* T.Yukawa in *Acta Phytotax. Geobot.* 53(1): 12 (2002)-Vietnam

*Diplocaulobium angustitepalum* W.K.Harris & M.A.Clem. in *Orchadian* 13(12): 566 (2002)-New Guinea (Papua New Guinea)

*Disperis anthoceros* var. *humbertii* (H.Perrier) la Croix in *Adansonia* 24(1): 58 (2002); *Disperis humbertii*

*Disperis bathiei* Bosser & la Croix in *Adansonia* 24(1): 79 (2002)-Madagascar

*Disperis bosseri* la Croix & P.J.Cribb in *Adansonia* 24(1): 82 (2002)-Madagascar

*Disperis ciliata* Bosser in *Adansonia* 24(1): 64 (2002)-Madagascar

*Disperis discifera* var. *borbonica* (H.Perrier) Bosser in *Adansonia* 24(1): 65 (2002); *Disperis borbonica*

*Disperis falcatipetala* P.J.Cribb & la Croix in *Adansonia* 24(1): 85 (2002)-Madagascar

*Disperis lanceolata* Bosser & la Croix in *Adansonia* 24(1): 81 (2002)-Madagascar

*Disperis masoalensis* P.J.Cribb & la Croix in *Adansonia* 24(1): 82 (2002)-Madagascar

*Disperis oppositifolia* var. *mascarenensis* Bosser in *Adansonia* 24(1): 62 (2002)-Réunion, Mauritius,

× *Dockrilobium* J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1247): 83 (2002) (*Dendrobium* × *Dockrillia*)

*Echinella vittata* (Pupulin & M.A.Blanco) Pupulin in *Lankesteriana* 4: 17 (2002); *Myoxanthus vittatus*

*Echinosepala* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002)

*Echinosepala aspasicensis* (Rchb.f.) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 101 (2002); *Pleurothallis aspasicensis*

*Echinosepala balaeniceps* (Luer & Dressler) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 101 (2002); *Pleurothallis balaeniceps*

*Echinosepala lappiformis* (A.H.Heller & L.O.Williams) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 101 (2002); *Pleurothallis lappiformis*

*Echinosepala pan* (Luer) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 101 (2002); *Pleurothallis pan*

*Echinosepala sempergemmata* (Luer) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 101 (2002); *Pleurothallis sempergemmata*

*Echinosepala stonei* (Luer) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 101 (2002); *Pleurothallis stonei*

*Echinosepala tomentosa* (Luer) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 101 (2002); *Pleurothallis tomentosa*

*Echinosepala uncinata* (Fawc.) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 101 (2002); *Pleurothallis uncinata*

*Encyclia* × *alcardoi* V.P.Castro & Chiron in *Richardiana* 2(4): 154 (2002)-Brazil North (Tocantins) (*Encyclia argentinensis* × *Encyclia flava*)

*Epigeneium naviculare* (N.P.Balakr. & Sud.Chowdhury) Hynn. & Wadhwa in *Orchids of Nagaland* 163 (2000); *Katherinea navicularis*

*Epipactis papillosa* var. *imkoeensis* Y.N.Lee & K.S.Lee in *Bull. Korea Pl. Res.* 2: 38 (2002)-Korea (South Korea)

*Eulophia borbonica* Bosser in *Adansonia* 24(1): 22 (2002)-Réunion

×*Fredschechterara* F.Schechter & J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1247): 83 (2002) (*Broughtonia* × *Cattleya* × *Epidendrum* × *Laelia* × *Schomburgkia*)

×*Galeodes* R.Levy & J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1246): 63 (2002) (*Galeandra* × *Mormodes*)

*Gavilea platyantha* (Rchb.f.) Ormerod in *Oasis* 2(2): 7 (2002); *Asarca platyantha*

*Gavilea trullata* Ormerod in *Oasis* 2(2): 7 (2002); *Asarca cardioglossa* var. *patagonica*

*Gavilea venosa* (Lam.) Garay & Ormerod in *Oasis* 2(2): 7 (2002); *Limodorum venosum*

*Gavilea wittei* (Hicken) Ormerod in *Oasis* 2(2): 7 (2002); *Chloraea wittei*

*Geoblasta arechavaletae* (Kraenzl.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 125 (2001); *Chloraea arechavaletae*

*Geoblasta bergii* (Hieron.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 125 (2001); *Chloraea bergii*

*Glossochilopsis carnosula* (Rolfe ex Downie) Szlach. & Marg. in *Polish Bot. J.* 46(2): 114 (2001); *Microstylis carnosula*

*Glossorhyncha myrtillus* (Schltr.) Ormerod in *Oasis* 2(3): 9 (2002); *Ischnocentrum myrtillus*

*Glossorhyncha sepalosiphon* Ormerod in *Oasis* 2(3): 9 (2002); *Sepalosiphon papuanum*

*Gongora hookeri* (Klotzsch) R.Rice in *Oasis* 2(3): 15 (2002); *Gongora maculata* var. *hookeri*

*Gongora passiflorolens* R.Rice in *Oasis* 2(3): 13 (2002)-Colombia

*Gongora rosea* (Cogn.) R.Rice in *Oasis* 2(3): 15 (2002); *Gongora portentosa* var. *rosea*

*Gongora rubescens* R.Rice in *Oasis* 2(3): 14 (2002)-Ecuador

*Gyalanthos* Szlach. & Marg. in *Polish Bot. J.* 46(2): 116 (2001); *Pleurothallis* subgen. *Mirabilia* Luer

*Gyalanthos mirabilis* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 116 (2001); *Pleurothallis mirabilis*

*Gyalanthos syringodes* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis syringodes*

*Herminium kamengense* Nag.Rao in *J. Econ. Taxon. Bot.* 25(2): 287 (2001)-East Himalaya (Arunachal Pradesh)

*Hoffmannseggella concepcionensis* V.P.Castro & Campacci in *Richardiana* 2(3): 113 (2002)-Brazil Southeast (Minas Gerais)

*Jouyella* Szlach. in *Polish Bot. J.* 46(2): 124 (2001)

*Jouyella fimbriata* (Poepp.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 125 (2001); *Chloraea fimbriata*

*Jouyella philipporum* (Kraenzl.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 125 (2001); *Bipinnula philipporum*

*Jouyella plumosa* (Lindl.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 125 (2001); *Bipinnula plumosa*

*Jouyella taltalensis* (I.M.Johnst.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 125 (2001); *Bipinnula taltalensis*

×*Kalakauara* G.F.Carr & J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1247): 83 (2002) (*Catasetum* × *Clowesia* × *Cymbidium* × *Grammatophyllum*)

×*Laegoa* Rhodeh. & J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1246): 63 (2002) (*Domingoa* × *Laelia*)

*Laelia gottoana* hort. *Gard. Mag. (London)* 34(307): 379 (1891)

*Liparis walakkadensis* M.Kumar & Sequiera in *J. Orchid Soc. India* 13(1-2): 29 (1999)-India (Kerala)

*Lockhartia ivainae* M.F.F.Silva & A.T.Oliveira in *Bol. Mus. Paraense Emílio Goeldi, Bot.* 17(2): 264 (2001 publ. 2002)-Brazil North (Pará)

*Lueranthos* Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001)

*Lueranthos vestigipetalus* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis vestigipetala*

*Masdevallia barrowii* Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 33a (2002)-Ecuador

*Masdevallia brockmuelleri* in Luer *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 805 (2002)-Colombia

*Masdevallia calocalix* Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 533a (2002)-Ecuador

*Masdevallia cordeliana* Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 813 (2002)-Peru

*Masdevallia crenata* Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 935 (2002)-Ecuador

*Masdevallia ephelota* Luer & Cloes in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 823 (2002)-Peru

*Masdevallia lappifera* Luer & Hirtz in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 319a (2002)-Ecuador

*Masdevallia mandarina* (Luer & R.Escobar) Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 857 (2002); *Masdevallia xanthina* subsp. *mandarina*

*Masdevallia pollux* Luer & Cloes in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 957 (2002)-Peru, Ecuador.

*Masdevallia repanda* Luer & Hirtz in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 659a (2002)-Ecuador

*Masdevallia siphonantha* Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 1033 (2002)-Colombia

*Masdevallia smallmaniana* Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 505a (2002)-Ecuador

*Masdevallia strattoniana* Luer & Hirtz in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 505b (2002)-Ecuador

*Masdevallia tricycla* Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 971 (2002)-Ecuador

*Masdevallia velella* Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 367a (2002)-Colombia

*Masdevallia zumbuehlerae* Luer in *Monogr. Syst. Bot. Missouri Bot. Gard.* 87: 263a (2002)-Ecuador

*Masdevalliantha* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis* subgen. *Masdevalliantha*

*Masdevalliantha longiserpens* (C.Schweinf.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis* *longiserpens*

*Masdevalliantha masdevalliopsis* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis* *masdevalliopsis*

*Maxillaria machupicchuensis* Christenson & N.Salinas in *Orchids* 71(8): 718 (2002)-Peru

*Mirandopsis* Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis* subgen. *Mirandia* Luer

*Mirandopsis miranda* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis miranda*

*Montolivaea aethiopica* (Szlach. & Olszewski) Szlach. in *Polish Bot. J.* 46(2): 129 (2001); *Pseudoperistylus aethiopicus*

*Montolivaea attenuata* (Hook.f.) Szlach. in *Polish Bot. J.* 46(2): 128 (2001); *Habenaria attenuata*

*Montolivaea bequaertii* (Summerh.) Szlach. in *Polish Bot. J.* 46(2): 128 (2001); *Habenaria bequaertii*

*Montolivaea bracteosa* (A.Rich.) Szlach. in *Polish Bot. J.* 46(2): 128 (2001); *Habenaria bracteosa*

*Montolivaea clarencensis* (Rolfe) Szlach. in *Polish Bot. J.* 46(2): 128 (2001); *Habenaria clarencensis*

*Montolivaea ituriensis* (Szlach. & Olszewski) Szlach. in *Polish Bot. J.* 46(2): 129 (2001); *Pseudoperistylus ituriensis*

*Montolivaea lefebvreana* (A.Rich.) Szlach. in *Polish Bot. J.* 46(2): 129 (2001); *Peristylus lefebvreanus*

*Montolivaea microceras* (Hook.f.) Szlach. in *Polish Bot. J.* 46(2): 129 (2001); *Habenaria microceras*

*Montolivaea petitiana* (A.Rich.) Szlach. in *Polish Bot. J.* 46(2): 129 (2001); *Peristylus petitianus*

×*Morieara Morie* & J.M.H.Shaw in *Orchid Rev. Suppl.*, 110(1246): 63 (2002) (*Doritis* × *Neofinetia* × *Phalaenopsis* × *Rhynchostylis*)

*Mystacorchis* Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis* subgen. *Mystax* Luer

*Mystacorchis mystax* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis mystax*

*Octomeria tapircataractae* G.A.Romero & Luer in *Harvard Pap. Bot.* 7(1): 84 (2002)-Venezuela

*Oeceoclades antsingyensis* G.Gerlach in *J. Orchideenfreund* 2(2): 62 (1995).-Madagascar

*Oncidium swartzii* Chiron & Braem in *Richardiana* 2(3): 87 (2002)-Windward Is. (Martinique)

*Ophrys alasiatica* Kreutz, Segers & H.Walraven in *J. Eur. Orchideen* 34(3): 480 (2002)-Cyprus

*Ophrys arachnitiformis* subsp. *occidentalis* Scappat. in *Orchidophile* 152: 132 (2002)-France

*Ophrys argolica* subsp. *aegaea* (Kalteisen & H.R.Reinhard) H.A.Pedersen & Faurh. in *Orchidee (Hamburg)* 53(3): 345 (2002): *Ophrys aegaea*

*Ophrys argolica* subsp. *crabronifera* (Sebast. & Mauri) Faurh. in *Orchidee (Hamburg)* 53(3): 345 (2002): *Ophrys crabronifera*

*Ophrys argolica* subsp. *lesbis* (Gözl & H.R.Reinhard) H.A.Pedersen & Faurh. in *Orchidee (Hamburg)* 53(3): 345 (2002): *Ophrys lesbis*

*Ophrys argolica* subsp. *lucis* (Kalteisen & H.R.Reinhard) H.A.Pedersen & Faurh. in *Orchidee (Hamburg)* 53(3): 345 (2002): *Ophrys aegaea* subsp. *lucis*

*Ophrys* × *bodegomii* Benito, C.E.Hermos. & Soca in *Estud. Mus. Cienc. Nat. Álava* 16: 90 (2001)-Spain (*Ophrys passionis* × *Ophrys tenthredinifera*)

*Ophrys* × *caballeroi* C.E.Hermos. in *Estud. Mus. Cienc. Nat. Álava* 16: 54 (2001)-Spain (*Ophrys aveyronensis* × *Ophrys tenthredinifera*)

*Ophrys cornuta* var. *minuscula* G.Thiele & W.Thiele in *J. Eur. Orchideen* 34(3): 646 (2002)-Greece

*Ophrys fuciflora* subsp. *lorenae* E.De Martino & Centurione in *J. Eur. Orchideen* 34(3): 592, 589 (2002)-Italy

*Ophrys fusca* subsp. *blitopertha* (Paulus & Gack) Faurh. & H.A.Pedersen in *Orchidee (Hamburg)* 53(3): 345 (2002): *Ophrys blitopertha*

*Ophrys fusca* subsp. *cinereophila* (Paulus & Gack) Faurh. in *Orchidee (Hamburg)* 53(3): 345 (2002): *Ophrys cinereophila*

*Ophrys holosericea* subsp. *andria* (P.Delforge) Faurh. in *Orchidee (Hamburg)* 53(3): 345 (2002): *Ophrys andria*

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*Paphiopedilum wenshanense* f. *album* O.Gruss & Petchl. in *Orchidee (Hamburg)* 53(3): 383 (2002)-China South-Central (Yunnan)

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*Peltopus ankylochele* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum ankylochele*

*Peltopus aphanopetalus* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum aphanopetalum*

*Peltopus artostigma* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum artostigma*

*Peltopus bliteus* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum bliteum*

*Peltopus brachypetalus* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum brachypetalum*

*Peltopus brassii* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum brassii*

*Peltopus calviverter* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum calviverter*

*Peltopus cubitalis* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum discolor* subsp. *cubitale*

*Peltopus cycloglossus* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum cycloglossum*

*Peltopus discolor* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum discolor*

*Peltopus greuterianus* Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum peltopus*

*Peltopus hiljeae* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum hiljeae*

*Peltopus inciferus* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum inciferum*

*Peltopus intersitus* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum intersitum*

*Peltopus kenae* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum kenae*

*Peltopus lophotos* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum lophoton*

*Peltopus loroglossus* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum loroglossum*

*Peltopus minutipetalus* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 115 (2001); *Bulbophyllum minutipetalum*

*Peltopus octarrhenipetalus* (J.J.Sm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 116 (2001); *Bulbophyllum octarrhenipetalum*

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*Peltopus ortalis* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 116 (2001); *Bulbophyllum ortalis*

*Peltopus patella* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 116 (2001); *Bulbophyllum patella*

*Peltopus planilabris* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 116 (2001); *Bulbophyllum planilabre*

*Peltopus plicatus* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 116 (2001); *Bulbophyllum plicatum*

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*Peltopus reevei* (J.J.Verm.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 116 (2001); *Bulbophyllum reevei*

*Peltopus rhodoleucus* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 116 (2001); *Bulbophyllum rhodoleucum*

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*Pseudacoridium anfractoides* (Ames) Szlach. & Marg. in *Polish Bot. J.* 46(2): 114 (2001); *Dendrochilum anfractoides*

*Pseudacoridium anfractum* (Ames) Szlach. & Marg. in *Polish Bot. J.* 46(2): 114 (2001); *Acoridium anfractum*

*Pseudacoridium apiculatum* (Ames) Szlach. & Marg. in *Polish Bot. J.* 46(2): 114 (2001); *Acoridium apiculatum*

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*Rhynchopera fastidiosa* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 117 (2001); *Pleurothallis fastidiosa*

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*Stelis alta* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 98 (2002); *Pleurothallis grandis*

*Stelis amoena* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 98 (2002); *Lepanthes parahybunensis*

*Stelis antillensis* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 98 (2002); *Pleurothallis domingensis*

*Stelis chasme* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 98 (2002); *Pleurothallis hians*

*Stelis cylindrata* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 98 (2002); *Pleurothallis macrantha*

*Stelis cymbisepala* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 98 (2002); *Salpistele dressleri*

*Stelis dapsilis* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Pleurothallis maxima*

*Stelis decurrens* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Pleurothallis croatii*

*Stelis ferrelliae* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Pleurothallis ingramii*

*Stelis gargantua* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Pleurothallis gigas*

*Stelis gigantea* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Pleurothallis powellii*

*Stelis globosa* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Pleurothallis popayanensis*

*Stelis gnoma* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Salpistele parvula*

*Stelis graciliscapa* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Lepanthes viridula*

*Stelis kefersteiniana* (Rchb.f.) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Pleurothallis kefersteiniana*

*Stelis lehmannii* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Pleurothallis petiolaris*

*Stelis maculata* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (2002); *Salpistele lutea*

*Stelis megachlamys* (Schltr.) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 99 (28 June 2002); *Pleurothallis megachlamys*

*Stelis megachlamys* (Schltr.) Pupulin in *Lankesteriana* 4: 74 (31 May 2002); *Pleurothallis megachlamys*

*Stelis multirostris* (Rchb.f.) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002); *Pleurothallis multirostris*

*Stelis picta* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002); *Dendrobium elegans*

*Stelis pilosa* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002); *Pleurothallis amparoana*

*Stelis pumila* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002); *Pleurothallis microtis*

*Stelis reptans* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002); *Pleurothallis scansor*

*Stelis uncinata* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002); *Pleurothallis karenae*

*Stelis vulgaris* Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002); *Pleurothallis floribunda*

*Stelis xiphizusa* (Rchb.f.) Pridgeon & M.W.Chase in *Lindleyana* 17(2): 100 (2002); *Pleurothallis xiphizusa*

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*Vanilla utteridgei* J.J.Wood in *Orchid Rev.* 110(1246): 232 (2002)-New Guinea (Irian Jaya)

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*Vermeuleniana papilionacea* var. *cyrenaica* (E.A.Durand & Barratte) Szlach. in *Polish Bot. J.* 46(2): 128 (2001); *Orchis cyrenaica*

*Vermeuleniana papilionacea* var. *grandiflora* (Boiss.) Szlach. in *Polish Bot. J.* 46(2): 128 (2001); *Orchis papilionacea* var. *grandiflora*

*Vermeuleniana papilionacea* var. *heroica* (E.D.Clarke) Szlach. in *Polish Bot. J.* 46(2): 128 (2001); *Orchis heroica*

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*Zosterophyllumanthos acesrophyllus* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis acesrophylla*

*Zosterophyllumanthos adeleae* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis adeleae*

*Zosterophyllumanthos allenii* (L.O.Williams) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis allenii*

*Zosterophyllumanthos alopes* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis alopes*

*Zosterophyllumanthos altimonile* (Luer & R.Escobar) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis altimonile*

*Zosterophyllumanthos ambyx* (Luer & R.Escobar) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis ambyx*

*Zosterophyllumanthos apopsis* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis apopsis*

*Zosterophyllumanthos correllii* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis correllii*

*Zosterophyllumanthos cyaneus* (Luer & R.Escobar) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis cyanea*

*Zosterophyllumanthos diabolicus* (Luer & R.Escobar) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis diabolica*

*Zosterophyllumanthos ensatus* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 118 (2001); *Pleurothallis ensata*

*Zosterophyllumanthos epiglottis* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis epiglottis*

*Zosterophyllumanthos fornix* (Luer & R.Escobar) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis fornix*

*Zosterophyllumanthos ganymedes* (Luer & R.Escobar) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis ganymedes*

*Zosterophyllumanthos giraffa* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis giraffa*

*Zosterophyllumanthos gonioglossus* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis gonioglossa*

*Zosterophyllumanthos grandiflorus* (Lindl.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis grandiflora*

*Zosterophyllumanthos granularis* (Luer & R.Escobar) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis granularis*

*Zosterophyllumanthos homalanthus* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis homalantha*

*Zosterophyllumanthos horichii* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis horichii*

*Zosterophyllumanthos ignivomi* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis ignivomi*

*Zosterophyllumanthos imperialis* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis imperialis*

*Zosterophyllumanthos ionanthus* (Rchb.f.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis ionantha*

*Zosterophyllumanthos jupiter* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis jupiter*

*Zosterophyllumanthos killipii* (Garay) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis killipii*

*Zosterophyllum lacerus* (Luer) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis lacera*

*Zosterophyllum leucanthus* (Schltr.) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis leucantha*

*Zosterophyllum lilijae* (Foldats) Szlach. & Marg. in *Polish Bot. J.* 46(2): 119 (2001); *Pleurothallis lilijae*

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## Book Reviews

**Schuiteman, A. and de Vogel, E. F.** 2002. *Flora Malesiana: Orchids of New Guinea Vol. II -- Dendrobium and allied genera*. Expert Center for Taxonomic Identification (ETI) in association with National Herbarium of the Netherlands, Mauritskade 61, NL-1092 AD Amsterdam, The Netherlands. CD-

ROM, approximately 3000 color, halftone, and black-and-white images. ISBN 90-75000-43-X. Price: €59, or about \$60.

Everyone at all interested in orchids will welcome this latest CD-ROM in the *Orchids of New Guinea* series compiled by André Schuiteman and Ed de Vogel in association with ETI. The first volume in the series included about 2000 images, 132 generic descriptions, a checklist of 5400 names, identification tools, cultivation requirements, hyperlinked glossary, and references on the orchids of New Guinea, one of the most species-rich and botanically least known regions of the world. Volume II, which treats the roughly 560 species of *Cadetia*, *Dendrobium sensu lato*, *Diplocaulobium*, and *Flickingeria* of New Guinea, is truly one of those resources and bargains that every orchid scientist, conservationist, and hobbyist should own.

To get the technical parlance out of the way, system requirements are Windows 95, 98 or ME, Pentium processor, 16 MB RAM, 4x CD-ROM player, and 16-bit color monitor, or Macintosh computer with PowerPC processor, Mac OS 8.x, 9.x or (as I'm told by ETI) 10.x, 16 MB RAM, 4x CD-ROM player, and 16-bit color monitor. Apple QuickTime™ is needed to view the images, but version 5.0 is readily downloaded ([www.apple.com/quicktime](http://www.apple.com/quicktime)) for both Mac and Windows. QuickTime™ version 6.0 is included with Mac OS version 10.2 (Jaguar).

Installation for both Mac and Windows platforms is explained step-by-step in the insert and takes only a matter of minutes. To access the images, the CD must be loaded in the disk drive because they are not installed, saving both hard disk space and installation time (not to mention making piracy less attractive). At this point I am obliged to add that my Power Mac G4 running OS 10.2 refused to recognize the CD and quickly ejected it before even showing its icon on the desktop. Although ETI reported in a personal communication that they had no such problems running the program on their Mac computers (nor, for that matter, do I with other CD software installations), they suspect incompatibility between the copy protection system used on the CD and certain CD-RW/DVD-writers, with the result that certain brands of writers do not recognize the CD. Though not my first choice, I installed and ran it successfully in Windows without a CD-RW.

There are several modules in the program, accessed by the Navigator module: Introduction, Higher Taxa, Species, Text Key, IdentifyIt, Glossary, Literature, and Index. In addition, there is a thorough Help menu with bookmarks and a notepad. The Introduction briefly discusses the problems associated with current issues about taxonomic rank in *Dendrobium sensu lato*.

Clements and Jones (1997) recently elevated sections *Rhizobium* and *Grastidium* to genera *Dockrillia* and *Grastidium*, respectively, which were adopted by Lavarack et al. (2000). Schuiteman and de Vogel, however, have preferred to follow a more conservative approach in light of *rbcL* and restriction site datasets for Dendrobiinae (Yukawa et al., 1996). Subsequent phylogenetic analyses using *matK* sequences (Yukawa et al., 2000) showed that (1) there are two major, strongly supported clades of *Dendrobium* in Australia, and (2) *Dendrobium* is paraphyletic with *Cadetia*, *Diplocaulobium*, and *Flickingeria* nested within it, which Yukawa explained by saying that the last three genera have been defined by morphological autapomorphies. Nevertheless, Schuiteman and de Vogel treat the four genera separately here but lump *Dendrobium* sections *Calyptrochilus*, *Oxyglossum*, and *Cuthbertsonia*, which they cryptically claim are “poorly delimited,” into section *Pedilonum*. The classification of Dendrobiinae, especially *Dendrobium*, is still a work in progress, as Schuiteman and de Vogel readily admit.

The Higher Taxa module contains descriptions and distribution, synonymy, taxonomy, literature, and images for all four genera as well as all sections of *Dendrobium* and *Cadetia*. Within the descriptions are hyperlinked terms that also appear in the glossary. In fact, so many of the terms are hyperlinked that it impedes quick reading. Many of the terms glossed would seem to be unnecessary at first glance. My first reaction was to wonder if we need to have definitions of ‘basal’ and ‘rounded’. However, these terms so basic to us in English may not be as clear to non-native English speakers, and the fact that the glossary is illustrated by hyperlinks to labeled images further reduces ambiguities in meaning across language barriers and shows at a glance not only what the terms mean but how they are being used in the keys. One useful feature in this module and also in the Species module is that .jpg images of species can be hidden, brought up one at a time or displayed all at once, making comparison and identification much easier than flipping back and forth between pages in a book.

The Species module comprises a database for 560 species with the same data as above plus cultural requirements and type information. For most of them, there are links to one or several images of habitat, habit, herbarium specimens (even types), close-ups or dissections of flowers, and/or drawings by J. J. Smith and others. The images, contributed by several individuals, are all of good to excellent quality. Intraspecific taxa are also listed.

Two modules are dedicated to identifying specimens. IdentifyIt allows the user to select any characters and their character-states for a specimen from the list of possibilities and then calculates which section or genus

of Dendrobiinae best fits the description submitted. For higher taxa as well as species, the couplets with large, blocked format in the Text Key module includes a window next to the choices with labelled images of the characters and character-states in question, e.g., swollen basal internodes, laterally compressed leaves, conical lip warts, stelidia. This to me is the most imaginative feature of the program. In non-technical parlance, it’s cool.

Reference modules include the glossary of 550 terms hyperlinked to labeled illustrations of them, literature, and a hyperlinked index of all taxa. Clicking through the index is a fast way bring up all information on a genus, section or species.

In these publishing days when paper and postage costs are soaring and many journals are providing subscriptions by online access, I suspect that more floras and monographs will be appearing on CD-ROM for a fraction of book prices and shipping costs. Updates will be quicker, cheaper to produce, and take up much less space on the shelf (or, more commonly, in the multiple, teetering piles on the desk, tables, and floor). I recommend this title and look forward to seeing all New Guinea Bulbophyllinae on CD-ROM, but preferably after well-sampled, phylogenetic studies of combined data sets of *Bulbophyllum* have been published. Now that would be an advance.

**Alec Pridgeon**

## References

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**Rossi, W. and Maury, A. E.** 2002. *Iconographia delle Orchidee d'Italia (Iconography of Italian Orchids)*. Pp. 242, 82 plates, 118 maps. Istituto Nazionlae per la Fauna Selvatica "Alessandro Ghigi" in association with the Societa Botanica Italiana. Not on sale, available only on request to bona-fide institutes from the Ministero dell'Ambiente e delle Tutela del Territorio. Direzione Conservazione Natura.

Anne Eldredge Maury started to paint Italian orchids in 1985 on a holiday trip to the island of Elba. Later, while based in Florence, she painted the orchids in the surrounding hills and met Professor Walter Rossi, Italy's foremost authority on the native orchids. This magnificent volume is the result of their collaboration over a period of 16 years.

Let me start with the watercolour paintings. They are drawn life-size and are printed on jumbo-sized paper (49×34 cm). Each plate comprises one to three plant portraits and one to several flowers drawn separately. Most plates are of a single species, but several have two or three featured. Most of the plates are in portrait format, but several are landscapes. The quality of the painting is exceptional and the reproduction of the highest standard. I can only say that, in loose-leaf format, I am tempted to frame and display some of them on the walls at home.

The text is separate and bound in a paperback of A4 dimensions. It comes with the plates in a purpose-made presentation box. The introductory pages include a description of the morphology, biology, and conservation of the Italian orchids. A paragraph also explains the author's conservative approach to orchid nomenclature in the light of recently published changes to generic limits of genera such as *Orchis*, *Anacamptis*, and *Neotinea*. He has chosen to retain the traditional circumscription of the genus *Orchis*, arguing that the molecular techniques used for the new work are not best suited to phylogenetic enlightenment. No doubt many would argue with his view, but traditionalists will be delighted. He then presents a useful key to the genera.

The generic and species accounts follow alphabetically. Altogether over 100 species have been reported from Italy, and several occur in various subspecies and varieties there. In all, some 118 taxa are covered in this treatment. Some of these are new to me, especially some of the *Epipactis*, *Serapias*, and *Ophrys*, e.g. *Epipactis placentina* and *E. flaminea*, *Serapias nurrica* and *S. politisii*, and *Ophrys discors* and *O. incubacea*. It is particularly useful to have good illustrations of these species to allow readers to form their own judgements on the validity of these taxa. A description is provided for each species and infraspecific taxon. This is followed by notes on flowering period, distribution, habitat, status, and conservation. Clear maps provide distribution details down to provincial level. Sadly, a number of Italian

orchids are notably rare, including *Dactylorhiza elata*, *Gennaria diphylla*, *Hammarbya paludosa*, *Limodorum brulloi*, *Liparis loeselii*, *Malaxis monophyllos*, *Orchis patens*, and *O. spitzelii*, as well as some of the enigmatic *Epipactis* and *Ophrys* microspecies.

This book is the third in a series that also features Italian animals and birds. Together they form a handsome set of a high standard, altogether a desirable collector's item! It is a pity that it is not available to the general orchid enthusiast but only on application to the Italian Ministry who sponsored it, and then only to bona fide institutes. An even larger format set of the illustrations (70×50 cm) has also been printed for distribution by the Ministry.

**Phillip Cribb**