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newsletter

A newsletter for the members of the Maryland Orchid Society

March 2007



president's message

This week brings the annual Maryland Orchid Society Show and Sale! A great deal of work has already been done by MOS members to prepare for this major event and a great deal more will be done by those who will set up the exhibit spaces and sales area on Tuesday; the members, vendors and other orchid societies who will set up exhibits on Wednesday; the judges and their clerks who will judge the show on Thursday; the members who will staff the sales area, give talks and tours and encourage visitors to try growing orchids on Friday, Saturday and Sunday and the members who will take down the exhibit

backdrops after the Show is over. Over one third of the members of the Society have been, or will be, actively involved in making this Show a success.

I hope everyone will come to visit the Show between March 9 and 11 to see what magic our members, vendors and associated societies can do with beautiful blooming orchids and some moss, ferns, lights and black fabric!

Ann Lundy

March Speaker will be Alfredo Manrique on Orchids of Peru



Phragmipedium kovachii Atwood, Dalström & Fernández 2002, foto© Isaiás Rolando

We are very fortunate to have Alfredo Manrique of Lima, Peru coming to speak to us this month about the Orchids of Peru. Mr. Manrique is the owner of Centro de Jardineria Manrique, a large nursery growing many different kinds of plants. He is one of two people in Peru who was licensed to collect *Phragmipedium kovachii* plants (a recently discovered *Phrag.* species with very large and strongly colored pink/purple flowers) and propagate them. In addition to *Phrag. kovachii* he will tell us about other native Peruvian orchids. He will also be bringing flasks and seedlings of *Phrag. kovachii* and its hybrids to sell to our members.

New Members

Marilyn Lauffer has bravely taken on the position of MOS Membership Chair. Please help her out in keeping your email and snail mail addresses up to date in her member roster database. We are glad to welcome new members Beng Light and Howard Eskildson.

Save the Date

The MOS is holding an orchid-growing workshop on Saturday, April 14, 2007 from 10 a.m. - 2 p.m. at St. David's Church, 4700 Roland Ave, Baltimore, MD 21210. Experienced orchid growers will discuss successful orchid growing techniques and provide "hands on" experience in repotting orchids using various media. Workshop cost will be \$10 and will include lunch and drinks. For more information call Ann Lundy at 410.366.9365 or Gary Smith at 410.374.5811 or see them at the March meeting.

IN THIS
ISSUE



February Show Table Results

Education Corner—Building Displays



Book Review—Dendrobiums

MOS Library Book List

show table > feb. 2007



Mtdm. Bartley Schwartz – Yong Qian

Novice

1. Paph. [(Mem. Allegria Gutierrez X Maudiae) X Maudiae] – Don Forester
2. Mtdm. Bartley Schwartz – Yong Qian

Home Grown

1. Pths. *pytrophylla* – Bill Scharf
2. Tie Masd. Swallow 'Cub Hill' – The Adams
Den. *atroviolaceum* – Bill Ellis
3. Blc. Bouton D'Or 'Foxcraft' – Hilda Sukman



Paph. (Red Pepper X Maudiae) – Lou Vadorsky

Greenhouse Under 200 Square Feet

1. Paph. (Red Pepper X Maudiae) – Lou Vadorsky
2. Epi. *conopseum* – Craig Taborsky
3. Paph. *spicerianum* – Les Kirkegaard



Rhrds. Thai Noi X Rhy. *coelestis* – Barry Woolf

Greenhouse Over 200 Square Feet

1. Rhrds. Thai Noi X Rhy. *coelestis* – Barry Woolf

Cattleya Alliance

1. Epi. *paniculatum* 'Old Faithful' – Clark Riley
2. Bc. Maikai 'Louise' AM/AOS – Barry Woolf
3. Enc. *kennedyi* – Dr. Eric Wiles



Phal. [Hilo Lip X (Vladimir Horowitz X Carmela's Wild Thing)] – Les Kirkegaard

Phalaenopsis Alliance

1. Phal. Sogo Fairyland – Dr. Eric Wiles
2. Tie Phal. Caribbean Sunset 'Sweet Fragrance' – Nancy Duggan
Phal. [Hilo Lip X (Vladimir Horowitz X Carmela's Wild Thing)] – Les Kirkegaard
3. Phal. Join Angel – The Adams

Oncidium Alliance

1. Onc. *obryzatum* – Barry Woolf
2. Mtdm. Ello Triumph? – Dr. Eric Wiles
3. Burr. Nelly Isler 'Swiss Beauty' – Don Forester

Paphiopedilum and Phragmipedium

1. Paph. Lady Isabel – The Adams
2. Paph. *insigne* var. *sanderæ* – Barry Woolf
3. Paph. (*appletonianum* X *acmodontum*) – Clark Riley



Phal. (*amabilis* X *equestris*) – Dr. Eric Wiles

Miscellaneous Hybrids

1. Cym. Golden Buddah – Barry Woolf
2. Aer. Florida – Dr. Eric Wiles
3. Den. (*semifuscum* X *johnnis*) – Les Kirkegaard



Paph. Lady Isabel – The Adamses

Species

1. *Dendrochillum tenellum* – David Smith
2. Tie Coel. *mossiae* – Barry Woolf
Porroglossum *nutivara* – Bill Scharf
3. Tie Paph. *villosum* – Hilda Sukman
Ang. *leonis* – Dr. Eric Wiles

Miniature

1. *Dendrochillum apoense* – David Smith
2. Den. *atroviolaceum* – The Adams
3. Max. *variabilis* – Bill Scharf

First Bloom Seedling

1. Paph. Copper Spice – Nancy Duggan
2. Paph. Lyro Blackhawk – Barry Woolf
3. Phal. (*amabilis* X *equestris*) – Dr. Eric Wiles

Fragrance

No entries

The Judges Choice of the Evening was *Pleurothallis pytrophylla*, exhibited by Bill Scharf. The judges were Marty Vittek, Nancy Duggan and Steve Adams. There were 85 plants on the show table!

education corner

At the February meeting, David Smith discussed the tools and methodology necessary in creating displays for the annual show. Below are some of David's tips for a successful display. Next month the education corner will feature photos and discussions of exhibits and show judging criteria for plants and exhibits.

1. Suggested exhibit sizes for the show
 - A. Table top
 - a) 3 blooming orchids placed for effect
 - b) 6 sq ft
 - c) 9 sq ft
 - B. Floor — 15 sq ft
2. New growers – probably do not have many plants. Also, your plants might be large and showy, rather than small and compact.
3. Collaborate with 1 or 2 other people to get enough plants (in your opinions) to make up an exhibit.
4. Do not try to rush through this! Take your time and try different placements of your plants. Keep in mind that the first exhibit is always going to be the hardest because you don't know what to expect.
5. It is not necessary to provide extra background staging. Only need to provide something to cover the staging provided, such as a black, woven landscape fabric, something that is not shiny. You will most likely need pots, boxes, cans, etc for giving varying heights. You may use wire hooks to hold small mounted plants onto the tabletop staging.
6. For the table tops, try not to place anything that extends over the top of the backdrops, or for inflorescences, not too far above, maybe 2 – 3 inches. If in doubt, ask someone who has done this before.
7. Start by placing plants at different levels in pleasing arrangement using as big a variety of plants as available.
8. If possible try to place similar colors together, but don't agonize over this.
9. After placing plants and satisfied with arrangement, then begin to place a minimum of greenery, such as small ferns, bromeliads, other non-blooming plants. Do NOT use any artificial plants, flowers, etc. in your exhibit.
10. As you proceed, you should cover the pots with wet moss, black covering, or anything that will hide the pots and be unobtrusive.



11. Don't forget the labels! The plants must be identified accurately by using the black label stock that should be provided somewhere around. Write on the label with a silver marking pen, neatly and legibly. Attach the labels to the plants, using wire loops which I will show to you tonight. If you have a plant without a name, label it as such – unknown hybrid or unknown species.
12. The final thing will be to cover the remainder of the tabletop with moss, bark, mulch, Spanish moss, or somesuch.
13. Tools and equipment that might be needed are:
 - 1) Wire of different sizes, such as 16, 18, or 20 gauge floral wire, 12 gauge hanging wire.
 - 2) Pliers and wire cutters to cut and bend wire.
 - 3) Scissors, small hammer, tacks.
 - 4) Pots, cans, boxes of different sizes and shapes.
 - 5) Landscape fabric.
 - 6) Silver marking pen.
 - 7) Masking tape, black tape of some kind.
 - 8) And, whatever else that you might think that you will need, plus a container to hold and carry all of this paraphernalia.

What Do They Mean? American Orchid Society Judging Awards

Initials such as AM/AOS and JC/AOS following orchid names indicate awards bestowed by the judges of the American Orchid Society to worthy flowers and plants. Below is a key to these abbreviations seen in publications of the AOS.

AD (Award of Distinction) and AQ (Award of Quality) These two awards for hybridizing in orchids recognize worthy new trends and improved quality respectively.

AM (Award of Merit) A flower scoring 80 to 89 points on a scale of 100 points. This flower-quality award is a fine though lesser achievement than the FCC.

CBR (Certificate of Botanical Recognition) Awarded to rare and unusual species with educational interest.

CCE (Certificate of Cultural Excellence) This award further distinguishes growers of plants that exhibit an extreme degree of skill in cultivation, having received 90 points or more on the scale that has been used for the Certificate of Merit Award (CCM).

CCM (Certificate of Merit Award) The beginning orchid grower may hope to attain this award because the award, rather than designating an individual flower of high quality, recognizes the grower and not the plant. The award may be given more than once if the plant continues to thrive and increase in both size and number of flowers.

CHM (Certificate of Horticulture Merit) Awarded to a well-grown and well-flowered species or natural hybrid with characteristics that contribute to the horticultural aspects of orchidology.

FCC (First Class Certificate) The highest flower-quality award, given by AOS judges to flowers scoring 90 or more points on a scale of 100 points.

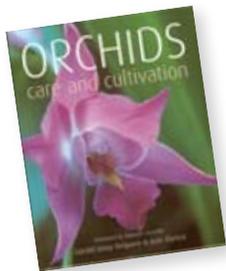
HCC (Highly Commended Certificate) The HCC is granted to a flower scoring 75 to 79 points, which is not enough to merit an AM. The majority of awarded orchids receive this award, which implies that, while the flower being judged is outstanding, there is room for improvement.

JC (Judges Commendation) Given to orchids for distinctive characteristics that the AOS judges, by an affirmative vote of at least 75 percent, feel should be recognized, but cannot be scored in customary ways.

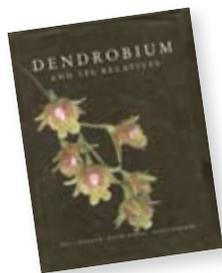
Reprinted from AOS Orchids Magazine, February 2007

book review

One of my favorite orchid genera is *Dendrobium*—about a third of my orchids are *Dendrobiums*. It's a big genus, with over a thousand species, and widely varying cultural needs because of their wide variety of natural habitats – temperate, subtropical, and tropical zones of south and southeast Asia, the East Indies, and Australia at high to low elevations. You might think that good reference books are a necessity for growing *Dendrobium* – I would agree.



Orchids – Care and Cultivation, by Gérald Leroy-Terquem and Jean Parisot; English text published in 2004 by Cassell Illustrated/Octopus Publishing Group, London, UK; retail (softbound) \$24.95.



Dendrobium and Its Relatives, by Bill Lavarack, Wayne Harris, and Geoff Stocker; published in 2000 by Timber Press, Portland, OR; retail (softbound) \$34.95.



Orchid Species Culture: Dendrobium, by Margaret L. Baker and Charles O. Baker; published in 1996 by Timber Press, Portland, OR; Out of print – available used from Internet sources.



The Dendrobiums, by Howard P. Wood; published in 2006 by A. R. G. Gantner Verlag, Ruggell, Liechtenstein; distributed by Timber Press, Portland, OR, retail (hardbound) \$150.00.

The four books I rely on for growing *Dendrobiums* are listed above. If you grow *Dendrobiums*, I would recommend the first two books; if you love *Dendrobiums*, then I would also recommend the third; if you are a real *Dendrobium* fanatic, I recommend the fourth, too.

I have noticed that almost every one of my *Dendrobiums* that gets a really cool period in winter in its native habitat, which I have not duplicated in the past (I grow in my basement), has never bloomed for me. I hope to remedy this, but honestly, I would not have recognized the importance of this cold spell for blooming if I had not read about it in *Orchids – Care and Cultivation*. The real pearl of information on *Dendrobiums* is sequestered in the ten pages starting on page 132 of this book. A table grouping dendrobiums into six major cultural groups is provided. The authors credit Rebecca Tyson Northen for these groups, which really help make sense of the confusing array of *Dendrobiums*' cultural needs. (Northen's *Home Orchid Growing*, published in 1970 by Van Nostrand Reinhold, contains the same information on pages 200-202.) The six cultural groups are based on whether a species has persistent leaves or loses them in winter, and on their water and temperature needs during summer and winter. *Den. nobile*, in Group I, for example, is deciduous, tolerates intermediate to warm temperatures in summer, but needs a cool winter, and needs a nearly total interruption of watering in winter. *Dendrobium* hybrids with *nobile* dominant in their ancestry would also need similar culture. *Dendrobiums* in the former “nigro-hirsute” section (having small black hairs on the leaf sheaths), now called Section *Formosae*, are found in cultural Group IV and have persistent leaves, and require cool growing conditions and a short suspension of watering in the fall. I bought my copy of this useful book at Barnes & Noble. It's a really good basic orchid culture book.

Dendrobium and Its Relatives covers 411 species in the *Dendrobium* subtribe, which is called *Dendrobiinae*. In addition to *Dendrobiums*, it includes species in genera that have been split from *Dendrobium*, such as *Cadetia* and *Epigeneium*. The book devotes 101 pages to culture, conservation, and family relationships (taxonomy) of *Dendrobiinae* in general. The second half of the book devotes 186 pages to color photos, descriptions, habitat, climate, and culture of individual species, grouped by section or split-off genus. This is a great *Dendrobium* reference, and the Maryland Orchid Society library has just obtained a copy.

The third *Dendrobium* book I recommend, by the Bakers (husband and wife team), is a collection of habitat and cultural information in excruciating detail. I grow mostly *Dendrobium* species, so the Bakers' book is just perfect for my needs. For each of about 1200 *Dendrobium* species, one can find the daily average maximum and minimum temperature for each month of the year, the monthly inches of rain, and the average humidity by month. Then, in categories of light, temperatures, water, fertilizer, rest period, growing media, and miscellaneous notes, the Bakers generalize on the habitat data, and make cultural recommendations for that species. Also provided are nomenclature authority, synonyms, origin/habitat, climate data station, plant size and type, and descriptions of pseudobulbs, leaves, and flowers, and references. This book provides me the most help in deciding how often to water, how much light to provide, and when to provide resting and cool periods for my *Dendrobiums*. The book is, however, out of print, so it is expensive to obtain and requires

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some searching. ABEbooks currently lists a dealer in Australia who will sell a paperback copy, postpaid, for about US\$87, and a hardback for US\$148.

The fourth book on *Dendrobiums*, by Wood, is a real tome – 870 pages of text, and 121 pages of photographs. Only about 4 percent of the book addresses *Dendrobium* culture, while about 48 percent is about the evolution, distribution, taxonomy, and ecology of the *Dendrobium* subtribe, *Dendrobiinae*. Wood cites evidence, including geological and DNA-based, that the ancient *Dendrobiinae* became split into two phylogenetic lineages by the breakup of the ancient continent Gondwana about 100 to 200 million years ago. These phylogenetic lineages, called clades, evolved and became distributed in two main regions separated by Wallace's Line, in (1) India and southeast Asia and (2) Australia and nearby islands. Wood assigns all of the 47 sections and 4 split-off genera of *Dendrobiinae* to a northern and a southern clade, and discusses the family relationships among them. He devotes 104 pages (Part 8) to describing the sections and genera, and 144 pages (Part 9) to describing the species. His culture information is located in three different places in the book – in two general

culture chapters on the subtribe in Part 4; in section-specific culture paragraphs in Part 8; and in the species descriptions in Part 9. Without question, this book is the most thorough and most current on the taxonomy and nomenclature of *Dendrobiinae*. The color plates, showing 582 species in the *Dendrobiinae*, are quite good. Included are such esoterica as *Den. brymerianum* (with the most elaborately fringed lip in the subtribe) and *Den. harveyanum* (the only *Dendrobium* with both fringed petals and fringed lip). Any MOS members curious about this book may borrow it from this reviewer.

These are the four *Dendrobium* books that I favor. The MOS library also has *Dendrobiums – An Introduction to Species in Cultivation*, by Schelpe and Stewart; *A Revision of Antelope and Latouria Dendrobiums*, by Cribb; and *Dendrobium Orchids of Australia*, by Upton. If you grow dendrobiums, consider perusing these seven books. If you do not yet grow *Dendrobiums*, you are now aware of lots of resources that can help you grow them.

For more information email me at billellis@ellislist.com.

Bill Ellis

About Last Month's Cover...

OK, raise your hands. How many noticed the challenge on last month's cover? Not too many hands, I see. Those who've been around for a while might have noticed that our speaker Linda Wilhelm's talk was "The Real Miltonias" and the picture was, well, a *Miltonia* and not a *Miltonia*.

Was the picture wrong? No way. Most orchid growers would still call the Pansy Orchids *Miltonia* though most taxonomists and advanced growers would call them *Miltoniopsis*. As our understanding of the evolution of orchids has grown over the last hundred and fifty years, botanists have grown uncomfortable with keeping the Brazilian *Miltonias* in the same genus as the Andean species. When all of them were originally described, they were described as *Miltonias*. But the Brazilian species such as *Miltonia spectabilis* were described first, giving them the right to keep the name if we split them up. Some times we all agree on these splits, such as splitting *Cypripedium* from *Paphiopedilum*. Some times we strongly disagree, such as putting *Laelia purpurata* in with *Sophronitis* ("unless you pry the *Laelia purpurata* label from my cold, dead hands" kind of disagreement). In the case of *Miltonia* vs. *Miltoniopsis*, that split



will probably take with time. The plants are very different in culture, color, and breeding. I talked with Linda during her visit. To the best of her knowledge, no hybrids have been made between the Brazilian and Andean species, despite their proximity in collections for over a century. This is partly a result of their different blooming times, but we have plenty of ways to make these hybrids if they would take. So perhaps there is a bigger genetic divide than the botanists originally realized.

The pictures on the web and at the Woodland Orchids site, <http://www.woodlandorchids.com>, are the "true" *Miltonias*.

So was the picture on last month's cover a *Miltonia*? Well, yes and no, depending. Isn't it fun knowing the rest of the story?

Clark Riley, who can grow *Miltonia* but fails miserably with *Miltoniopsis*.

Maryland Orchid Society Library Book List

Using Barry Woolf's inventory, Anne Minkowski, the MOS librarian, and Harriet Quandt have compiled a list of publications currently in the MOS library. The following pages list the resources that are available to MOS members. For more information, please see Anne at the meetings or email her at saskakempa@verizon.net. This list is also now available for download in pdf format from the MOS web site www.marylandorchids.org.

| Author | Title | Publisher | Year |
|--|---|---|-------------|
| Anderson, Frank | Orchids | Abbeville Press | 1981 |
| AOS | AOS Handbook on Judging 6th Ed. | | |
| AOS | Orchid Pest and Disease | AOS | 1975 |
| AOS | Orchid Source Directory | AOS | 2006 |
| Allen, Carol, ed. | North American Native Terrestrial Orchids Conf. Proceedings | | 1996 |
| Arditti, Joseph Ed. | Orchid Biology Reviews and Perspective 1 | Cornell Univ | 1977 |
| Arditti, Joseph Ed. | Orchid Biology Reviews and Perspective Vol 6 | John Wiley & Son | 1974 |
| Arosemena, Arcadio et. al. | Orchids from the Coast of Ecuador | Ass'n Ecuador Orchids | 1988 |
| Arnold, Peter | Orchids | St. Martins | 1994 |
| Australian Orchid Foundation | The Orchidaceae of German New Guinea | Bodlian Holdings Pty | 1982 |
| Ball, John | Southern African Epiphytic Orchids | Conservation Press | 1978 |
| Banerjee, M.L. & Thapa, B.B. | Orchids of NEPAL | International Bioscience | 1978 |
| Batchelor, Stephen R., Charles Fitch | Your First Orchid, a Guide for Beginners | AOS | |
| Bechtel, Cribb, Launert | Manual of Cultivated Orchid Species, The | MIT Press | 1981 |
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| Birk, Lance | Paphiopedilum Grower's Manual, The | Pisang Press | 1983 |
| Black, Peter McKenzie | Beautiful Orchids | Hamlyn | 1973 |
| Black, Peter McKenzie | Orchids | Hamlyn | 1973 |
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| Blowers, J.W. | Tictoral Orchid Growing | Wyld Court | 1971 |
| Bond, Rick | Ortho Growing Orchids | Solaris Group | 1999 |
| Bowen, Leslie | Orchids, The Art and Craft of Growing | Putnam | 1976 |
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| Braem, Dr. G.J., Charles D. Baker, Margaret L Baker | The Genus Paphiopedilum, Natural History and Cultivation | Botanical Publications, Inc. | 1998 |
| Buttler, Karl | Orchids of Britain and Europe, Field Guide | Crowood | 1991 |
| Carter and Holmes | 2005 Catalog | | |
| Cash, Catherine | The Slipper Orchids | Timber Press | 1991 |
| Chase, Mark, ed. | The Pictorial Encyclopedia of Oncidium | ZAI Publications | 1997 |
| Christenson, Eric A | Phalaenopsis, A Monograph | Timber Press | 2001 |
| Cootes, Jim | The Orchids of the Philippines | Timber Press | 2001 |
| Correll, Donovan | Native Orchids of N. America N. of Mexico | Stanford Univ Press | 1978 |
| Craighead, Frank | Orchids and Other Air Plants, Everglades Nat. Pk | Univ of Miami | 1963 |
| Cribb, P.J. | Alexandre Brun, the Forgotten Orchids of | Grove Press | 1992 |
| Cribb, P.J. | Antelope and "Larourea" Dendrobiums, A revision of | Kew | 1986 |
| Cribb, Dr. Philip | Orchids, A Romantic History, with a Guide to Cultivation | Running Press | 1992 |
| Cribb, Phillip | Genus Paphiopedilum | Nat Hist Public | 1998 |
| Cymbidium Society | The Orchid Advocate | | 1980, 1986 |
| Darnell, AW | Orchids for the Outdoor Garden | Dover Press | 1930 |
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| Davies & Huxley | Wild Orchids of Britain & Europe | Hogarth | 1988 |
| Davis & Steiner | Philippine Orchids | William Frederick | 1952 |
| Dodson & Gillespie | Orchids, The Biology of | Benson | 1967 |
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| Dressler, Pollard | Genus Encycilia in Mexico | Asociacion mexicana de Orquideologia | 1974 |
| Dressler, Robert | Orchids, Natural History and Classification | Smithsonian | 1981 |
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| Dressler, Robert | Phylogeny and Classification of the Orchid Family | Discorides Press | 1993 |
| Dressler, Robt | Field Guide to the Orchids of COSTA RICA and PANAMA | Comstock Cornell Univ | 1993 |
| Du Puy, David & Cribb, Phillip | Genus Cymbidium | Timber Press | 1988 |
| Dunsterville & Garay | Venezuelian Orchids Vol 1 | | 1959 |
| Dunsterville & Garay | Venezuelian Orchids Vol 2 | | 1959 |
| Dunsterville & Garay | Venezuelian Orchids Vol 3 | | 1961 |
| Dunsterville & Garay | Venezuelian Orchids Vol 4 | | 1959 |
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| Dunsterville & Garay | Venezuelian Orchids Vol 6 | | 1959 |
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| Dunsterville, GCK | Orchids, The World of | Editorial Lectura Caracas | 1962 |
| Dunsterville, G.C.K. & E. Dunsterville | Orchid Hunting in the Lost World (And Elsewhere in Venez.) | AOS | 1988 |
| Eigeldinger, Murphy | Orchids, Complete Guide to Cultivation | Gifford | 1971 |
| Eighth World Orchid Conference | | | April 1975 |
| Fennell, T.A. | Orchids for Home and Garden, 2nd Ed. | Holt Rinehart & Winston | 1963 |
| Fisher, James Ed | Orchid Hybrids 1991-1994 | Bishop's Interim List | 1995 |
| Fitch, Charles Marden | All About Orchids | DoubleDay | 1981 |
| Fitch, Charles Marden | Fresh Flowers, Identifying, Selecting and Arranging | Abbeville Press | 1992 |
| Foster, Mulford | Bromeliads, A Cultural Handbook | Bromeliad Soc. | 1953 |
| Fowlie, J.A. | Brazilian Bifoliate Cattleyas and Their Color Varieties | Day printing | 1977 |
| Freed, Hugo | Orchids and Serendipity | Prentice Hall | 1970 |
| Garay & Sweet | Flora of the Lesser Antilles | Arnold Arboretum, Harvard Univ | 1974 |
| Ghose, B.N. | Beautiful Indian Orchids and How to Grow them | Mani | 1968 |
| Ghose, B.N. | Indian Orchids, Beautiful | | 1959 |
| Gillespie, Robt | Orchid Culture | TFH | 1961 |
| Glasser, Eric K. | Orchids Burpee American Gardening Series | MacMillan | 1995 |
| Greer, Barney | The Astonishing Stanhopeas | Barney Greer | 1998 |
| Grove, David | VANDAS and ASCOCENDAS | Timber Press | 1995 |
| Grubb, Roy | Selected Orchidaceous Plants Vol 1 | | 1970 |
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| Gupton, Oscar & Swope, Fred | Wild Orchids of the Middle Atlantic States | Univ. Tenn Press | 1986 |
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| Hawkes, Alex | Encyclopedia of Cultivated Orchids | Faber & Faber | 1965 |
| Hawkes, Alex | Orchid Botany and Culture | Harper & Bros | 1961 |
| Hawkes, Alex | Orchids, Their Botany and Culture | Harper & Bros | 1961 |
| Hawkes, Alex | Orchids, Their Botany and Culture | Harper & Bros | 1961 |
| Hillerman & Holst | Cultivated ANGRAECOID Orchids of Madagascar | Timber Press | 1986 |
| Hillerman, Fred Holst, Arthur | Cultivated Angraecoid Orchids of Madagascar, An intro to | Timber Press | 1986 |
| Hoddson, Paine, Anderson | Letts Guide to Orchids of the World | Charles Letts & Co. | 1991 |
| Hoehne, F.C. | Iconografia De Orchidaceas Do Brasil | | 1949 |
| Hsu, Chung Hsiang | Quality Cattleyas in Color | | |
| Hunt Francis & Kijima | The Orchid | Octopus Books | 1978 |
| Hunt, David Ed. | Orchids from CURTIS's Botanical Magazine | Curwen Books | 1981 |
| Hunt, F.& Grierson, M. | Country Life Book of Orchids, The | Country Life | 1978 |
| Hunt, Frances | Orchids, The International Book of | Chartwell | 1979 |
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| Hutcheson, Frances | What Pest is That? | Bay Books | |
| James, I. D. | The Orchid Grower's Handbook (2 copies) | Blandford | 1988 |
| Kamemoto & Sagarik | Beautiful Thai Orchid Species | Aksornsampan | 1975 |
| Kelleher, Jo | Intriguing MASDEVALLIAS | KGH | 1984 |
| Kijima, Takashji (Photog) | Orchids Wonders of Nature | Mallard | 1988 |
| Kijima, Takashji (Photog) | The Orchid The Wild Species | Gallery books | 1990 |
| Kimber, Sheila | Orchids, A Handbook of | Pakistan Herald | 1964 |
| Kramer, Jack | Growing Orchids At Your Windows | Hawthorne | 1972 |
| Kramer, Jack | ORCHIDS Flowers of Romance and Mystery | Abrams & Co. | 1975 |
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show table

(left to right) Barry Woolf, Harriet Quandt, Nancy Duggan, Marty Vittek, Rachael Adams, Steve Adams, Tom McBride and Henry Hopkins discuss orchids brought in for the show table.

Cat with Cat

Like Hilda Sukman's cat Shagua, in these stressful, hectic times we should stop to smell the orchids.



Frank Cervera Plans Ecuador Trip

Frank Cervera is an avid orchid collector (especially *Paphs* and *Phrags*) and frequent traveler to South America to observe orchids in their natural habitat. Sometimes his wife and he go alone, sometimes they take small groups of 5 to 8 orchid folks.



Catasetum expansum. Photo courtesy of Danny Lentz. Plant grown by the Atlanta Botanical Garden.

He has just started planning a trip to northern Ecuador for 2007 or 2008. The exact time and date is not yet firm, but they usually go for a week to 10 days. They've learned that the fall is best, usually around September or October.

This trip will focus on *Phragmipedium*, but there will be a ton of other orchids to be seen along the way. They expect to see *Ctasm. expansum* and *Pleuro. teaguui*, and many others, in bloom.

Frank can be reached at frank.cervera@morganstanley.com for any questions and more information.

calendar

Next General Meeting

March 15, 2007

| | | | |
|-----------|------------------|-----------|----------------|
| 7:00 p.m. | Show table setup | 8:00 p.m. | Meeting begins |
| 7:15 p.m. | Education Corner | 8:15 p.m. | Program begins |
| 7:30 p.m. | Judging begins | | |

The Maryland Orchid Society meets at the First Christian Church, 5802 Roland Avenue, Baltimore MD.

Please bring in your flowering orchids! Each plant brought in receives a point which at the end of the year could earn you money or a free plant.

Southeastern Pennsylvania Orchid Society Show

March 30 - April 1, 2007

Longwood Gardens, Kennett Square, PA

<http://www.sepos.org/longwoodshowindex.htm>

MOS is participating by installing an exhibit on March 29. Tear down is April 1.

Next Board Meeting

April 12, 2007

Anne Minkowski's house. Food will be served at 6:30 p.m. The meeting begins at 7 p.m. Everyone is encouraged to attend.

MOS Orchid-growing Workshop

April 14, 2007

10 a.m. - 2 p.m.

St. David's Church, 4700 Roland Ave, Baltimore, MD 21210.

New York International Orchid Show Bus Trip

April 20, 2007

Rockefeller Center, NY

Sponsored by NCOS

Cost: \$60 NCOS members, \$65 Non-members

Pick-Up Stops: Falls Church (Marshall High School), Beltsville (Calverton Shopping Center), and Baltimore (Baltimore Travel Plaza)

Contact: Ruth Lazarowitz, (703) 759-5914, rlazarowitz@cox.net

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