

SLIPPER ORCHIDS

The Slipper Orchid Alliance Journal



Paphiopedilum Michael Koopowitz 'Morright' AM,CCE/AOS
Plant Owner & Grower: Jeff Morris Photographer: Bryan Ramsey

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PAPHIOPEDILUM CHARLESWORTHII

Part II. Primary Hybrids and Non-primary First-generation Hybrids

by Gail Schwarz

(Part 1 of this article was published in *Slipper Orchids*, Spring 2016, Volume 17, Number 1.)

PRIMARY HYBRIDS

Of the 67 primary hybrids, only eight have AOS awards. It was hoped that the pink dorsal sepal of *Paphiopedilum charlesworthii* would come through in its hybrids, but unfortunately, it can get lost in first generation (F1) hybrids. It is common to see white dorsal sepals with pink or purple spots or a pink blush with darker pink spots. The white staminode tends to be dominant, sometimes appearing through several generations (Koopowitz pers. comm.).



Paphiopedilum Hitchinsiae (*charlesworthii* x *insigne*)
Grower: Ratcliffe Orchids; Photo: Edna Ratcliffe



Paphiopedilum insigne 'Harefield Hall' AM/AOS
Grower: Stewart Orchids

Other notable hybridizers would not call it dominant but say it comes through more often than not (Phillips pers. comm.).

One of the earliest hybrids made was *Paph. Hitchinsiae* (x *insigne*), registered in 1899 by Hitchins. It has 20 first-generation offspring, 70 progeny and no AOS awards. The dorsal sepal is white with pink spots and the form resembles *Paph. insigne*. The staminode appears white in the clone shown here.

Perhaps the best primary hybrid, which also has the most AOS awards with eight, is *Paph. Doll's Kobold* (x *henryanum*). *Paph. henryanum* is also in the *Paph. insigne* complex. The awarded clones are a successful combination of the two species. They have varying amounts of pink in the dorsal sepals from *Paph. charlesworthii*. The darker spots in the dorsal sepal and maroon to pink pouches from *Paph. henryanum* tend to be dominant. From the award descriptions, the white staminode did not come through.

Paphiopedilum Memnon (x *spicerianum*), registered by Henry James Veitch in 1900, has two AOS awards. Both awarded clones look like *Paph. spicerianum* with a little pink blush on the white dorsal sepal. The staminode in one is white and white with a rose blush in the other. The downside is they tend to have narrow petals from both parents.

Paphiopedilum Jessie (x *fairrieianum*), registered by the Duke of Marlborough in 1912, also has two AOS awards. The dorsal sepals in both are white with heavy pink netting and veining. The petals in the clone 'Orinda' AM/AOS are downswept, a characteristic inherited from *Paph. fairrieianum*. The natural spreads of the two awarded clones are larger than either parent because of the stance of the petals. *Paph. fairrieianum* has increased the length of the petals while *Paph. charlesworthii* has flattened them. Koopowitz and Hasegawa suggest that the color of many of these hybrids was disappointing from a judging standpoint (Koopowitz and Hasegawa 1989). *Paph. spicerianum* and *Paph. fairrieianum* are also in the *Paph. insigne* complex.

Paphiopedilum Sue Worth (*sukhakulii* x) received its second AOS award in 2000 and is an attractive combination



Paphiopedilum Doll's Kobold 'Raingreen' AM/AOS
(*charlesworthii* x *henryanum*)
Grower: June Hill; Photo: Lewis Ellsworth



Paphiopedilum Memnon 'LP' HCC/AOS
(*charlesworthii* x *spicerianum*)
Grower: Rick & Alexa Noel; Photo: James McCullough



Paphiopedilum Doll's Kobold 'Mindi' AM/AOS
Grower: B&D Orchids



Paphiopedilum Jessie 'Orinda' AM/AOS
(*charlesworthii* x *fairrieianum*)
Grower: Maynard C. Michel



Paphiopedilum Doll's Kobold
Grower: Ratcliffe Orchids; Photo: Mary Phillips



Paphiopedilum Sue Worth 'Jason' AM/AOS
(*charlesworthii* x *sukhakulii*)
Grower: Ann Ivey; Photo: Edwin Boyett

of the two species. *Paph. sukhakulii*, in section *Barbata*, dominates the form of the awarded clone by narrowing the dorsal sepal and making it more pointed but widening the petals. *Paph. charlesworthii* adds pink to the dorsal sepal and a glossy texture to the petals and pouch. The staminode is described as cream-colored.

Paphiopedilum Prelude (*glaucophyllum* x) received its only AOS award, an AM of 85 points to 'Shan,' in 2009. It appears to have inherited the best qualities of both parents and comes close to being a solid pink flower. *Paph. glaucophyllum*, in section *Cochlopetalum*, has contributed the pink pouch, undulate margins on the petals, and sequential blooming. *Paph. charlesworthii* has widened the dorsal sepal and almost eliminated the brown in the dorsal sepal and the



Paphiopedilum Paige Amorteguy
(*charlesworthii* x *liemianum*)
Photo: Gunther Dankmeyer



Paphiopedilum Prelude 'Shan' AM/AOS
(*glaucophyllum* x *charlesworthii*)
Grower: Carolina Orchids; Photo: James Harris



Paphiopedilum liemianum 'Grenache' AM/AOS
Grower: Dave Sorokowsky
Photo: Ramon de los Santos



Paphiopedilum glaucophyllum 'Pride of Carlisle' AM/AOS
Grower: John Marcotte



Paphiopedilum Faunus
(*charlesworthii* x *purpuratum*)
Grower: Royal Orchid; Photo: Gunther Dankmeyer



Paphiopedilum purpuratum 'Windy Hill' HCC/AOS
Grower: Marilyn & Brian LeDoux
Photo: Craig Plahn

spots on the petals, except for a few spots proximally. The petals are described as rose overlaid chestnut brown, and the dorsal sepal is blushed pink, chestnut brown proximally. The pouch is rosy purple. This grex, registered in 1974, has no offspring.

Another primary hybrid made with a species in section *Cochlopetalum* is *Paph.* Paige Amorteguy (*liemianum* x), registered in 1995 by R.J. Rands. This grex has no AOS awards or offspring. *Paph. charlesworthii* increased the size and eliminated the green in the dorsal sepal and the spotting on the petals of *Paph. liemianum*.

Paphiopedilum Faunus (x *purpuratum*, in section *Barbata*) was registered in 1905 by R. Young and has no AOS awards or offspring. The clone shown here illustrates the influence of *Paph. charlesworthii* in both form and color. The dorsal sepal is larger, flatter and has more pink than many *Paph. charlesworthii* hybrids.

Two of the more recent primary hybrids are *Paph. Wössner Helene* (x *helenae*), registered by F. Glanz in 2000, and *Paph. Little Trouble* (*barbigerum* x), registered by W. Sinkler in 2007. Neither has AOS awards or offspring. The dorsal sepal of the *Paph. Wössner Helene* shown here is quite reflexed, probably from *Paph. helenae*, which has varying amounts of reflexing.

First-generation hybrids made with the brachypetalums, parvisepalums and multiflorals were made, but they were generally not successful. Flowers were often crippled or had poor color or form, depending on the parents (Koopowitz pers. comm.). Hybrids with brachypetalums are almost always sterile (Cash pers. comm.).



Paphiopedilum Wössner Helene
(*charlesworthii* x *helenae*) Grower: Franz Glanz



Paphiopedilum helenae 'Gewurztraminer'
Grower: Dave Sorokowsky



Paphiopedilum barbigerum 'Obie's Top Hat'
AM/AOS Grower: Iris Cohen



Paphiopedilum Little Trouble (*barbigerum* x *charlesworthii*)

Grower: Deerwood Orchids; Photo: Ross Hella

NON-PRIMARY F1 HYBRIDS

One of the first hybrids made was *Paph.* Bingleyense (x *Harrisianum*). It was registered by A. J. Keeling in 1899 and has 30 F1 offspring and 772 progeny, the most of any of the F1 hybrids. It was described by Koopowitz and Hasegawa (1989) as being a soft brown with a warm rosy glow and a large, rose-pink dorsal sepal. It was used early on to make red complex hybrids.

Paphiopedilum Western Sky (Yerba Buena 'White Cap' HCC/AOS x), registered in 1988 by Terry Root of Orchid Zone, Salinas, California, has 15 F1 hybrids and three AOS awards. The pink in the dorsal sepal has, for the most part, been eliminated except for a few pink spots in one and a pink blush in another. The description of the other awarded clone says the dorsal sepal is pure white, flushed lime green at the base.

In the 1980s, Paul Phillips of Ratcliffe Orchids in Winchester, England, tried to breed for pink flowers. He thought he might be able to achieve this result by breeding *Paph. charlesworthii* onto a white. He knew that white was dominant, but he decided to breed *Paph. charlesworthii* onto one of their best breeding lines at the time, *Paph.* Silvara (Sungrove x F.C. Puddle). The hybrid, registered in 1991 by Ratcliffe Orchids, was named *Paph.* Christmas Rose. It is pretty, but without much pink except for the spots (Phillips pers. comm.). Generally when breeding with whites, only the petals are pink, but the dorsal sepal is invariably spotted

pink regardless of the other parent (Hasegawa pers. comm.). When *Paph. charlesworthii* is bred to the famous complex hybrid *Paph.* Winston Churchill (Eridge x Hampden), once again the pink in the dorsal sepal is broken up into pink spots on a white background. This grex, *Paph.* Meditation, registered by Root in 1988, not only has a smaller flower, but also has a more compact growth habit inherited from *Paph. charlesworthii* (Gruss pers. comm.).

Another F1 hybrid with *Paph.* Winston Churchill in its background is *Paph.* Woodrose (x Normandy). It has three



Paphiopedilum Western Sky 'Alabaster' HCC/AOS
(Yerba Buena 'White Cap' HCC/AOS x *charlesworthii*)

Grower: Hanes Orchids of Distinction



Paphiopedilum Yerba Buena 'White Cap' AM/AOS
(Sanacderae x Diversion)
Grower and Photo: Hadley Cash

AOS awards but no offspring. This may be because when a tetraploid is bred to a diploid *Paph. charlesworthii*, the triploid offspring are usually sterile; the tetraploid parent dominates for color and shape (Hasegawa pers. comm.). The awarded clones all have varying amounts of pink or pink spots on the dorsal sepals, and the petals are all wider than the species. The dorsal sepal in the clone 'Echo' AM/AOS is described as white with a chestnut-brown basal fan overlaid with light rose-purple.

Paphiopedilum Mrs. Haywood (x T. B. Haywood) was registered in 1905 by Mrs. Haywood. It has two AOS awards and six offspring. *Paph. T. B. Haywood* is *Paph. druryi* x *Paph. superbiens*. This grex was awarded as *Paph. Leyburnense*, but the accepted name now is *Paph. Mrs. Haywood*. The awarded clones - 'Ford' HCC/AOS and



Paphiopedilum Christmas Rose (Silvara x *charlesworthii*)
Grower: Ratcliffe Orchids; Photo: Mary Phillips



Paphiopedilum Meditation 'Robert Weltz' HCC/AOS
(Winston Churchill x *charlesworthii*)
Grower: Robert Weltz Jr.



Paphiopedilum Silvara (Sungrove x F.C. Puddle)
Grower: Ratcliffe Orchids; Photo: Edna Ratcliffe



Paphiopedilum Woodrose 'Echo' AM/AOS
(*charlesworthii* x Normandy) Grower: Fred A. Stewart



Paphiopedilum Mrs. Haywood 'Magnificum' CCM/AOS
(*charlesworthii* x T.B. Haywood)
awarded under the name *Paph.* Leyburnense
Growers: Mr. and Mrs. G. A. Wright; Photo: Dr. Tom Ott



Paphiopedilum Mrs. Haywood 'Ford' HCC/AOS
awarded under the name *Paph.* Leyburnense
Grower: Richard & Peggy Ford



Paphiopedilum (Rose Bowl x *charlesworthii*) 'Pink Bowl'
Grower: Paphanatics, unLtd.; Photo: Norito Hasegawa

'Magnificum' CCM/AOS - are described as light plum, tessellated darker plum. The staminode is white, inherited from *Paph. charlesworthii*.

Paphiopedilum (Rose Bowl x *charlesworthii*) 'Pink Bowl' is an unregistered F1 hybrid made and grown by Paphanatics, unLtd. *Paph.* Rose Bowl, registered by Stewart Inc. in 1984, has both *Paph.* Winston Churchill and *Paph.* Paeony (Nobile x Belisaire) in its background. This seedling has a dark pink dorsal sepal, unlike many *Paph. charlesworthii* hybrids (Hasegawa pers. comm.).

BIOGRAPHY

Gail Schwarz is a retired nurse living in Nova Scotia, Canada. She caught the "orchid bug" about 25 years ago when her husband, Bob, bought her an orchid. She joined the Orchid Society of Nova Scotia, the American Orchid Society, and, more recently, the Southern Ontario Orchid Society. She is an AOS accredited judge in the Toronto Judging Center. This article was her probationary paper for the Judging Center. She gave a presentation based on the paper at the International Slipper Orchid Symposium in Orlando in November 2012.

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JUDGING PAPHIOPEDILUM CHARLESWORTHII HYBRIDS

These are some of the features to look for when judging the hybrids (Hasegawa pers. comm., Koopowitz pers. comm., Phillips pers. comm.).

- ◆ Good color and form are very important.
- ◆ The natural spread depends a great deal on the stance of the petals. What is more important is the width of the dorsal sepal and petals.
- ◆ When judging hybrids, Koopowitz says that often the dorsal sepal has more of a square shape instead of being rounded, and points should be taken off for this.
- ◆ Points should be taken off if the dorsal sepal reflexes unless the other parent is a species with a dominant reflexed dorsal sepal, but flatter than either parent is better.
- ◆ The brown color of the petals and pouch does not always come through. It depends on the other parent. If the brown comes through, the color should not be muddy.

◆ If the white staminode comes through in the hybrid, it should be a clean contrasting white. The white staminode does not come through when *Paph. charlesworthii* is bred to vinicolors. Pink staminodes should be a clean, clear pink color.

◆ In first-generation hybrids, if the other parent has a smaller

dorsal sepal, *Paph. charlesworthii* will probably decrease the width of the petals while increasing the size of the dorsal sepal.

◆ One should expect the pink in the dorsal sepal to be broken up into pink spots, especially when it is bred to a white. A solid pink dorsal sepal should be rewarded.

GRAND CHAMPION *PAPHIOPEDILUMS* IN TOKYO AND TAIWAN

At two of the largest orchid exhibitions in the world earlier this year, judges selected exceptional *Paphiopedilums* as Grand Champions. In Tokyo at the Japan Grand Prix (the International Orchid Festival in the Tokyo Dome), *Paphiopedilum* Emerald Future 'Galaxy,' a cross of *Paph. Martian Man* and *Paph. Stone Lovely*, from the breeding of Masayoshi Takahashi of Tokyo Orchids, was the winner. The proud breeder and grower of the plant received a Mercedes-Benz as a prize.



Paphiopedilum Emerald Future 'Galaxy'
(Martian Man x Stone Lovely)
Grand Champion, Tokyo Dome 2016
Exhibited by Tokyo Orchids, Masayoshi Takahashi
Photo: Masayoshi Takahashi

The Taiwan International Orchid Show took place in Tainan, in southern Taiwan. Here *Paphiopedilum* Gloria Naugle 'Tristar' GM/TOGA, FCC/AOS (94 points), a cross of *Paph. micranthum* and *Paph. rothschildianum*, bred by Tristar Orchids in Taiwan, was chosen. The flower had a natural spread of 17.3 cm, the dorsal sepal was 6.5 cm long, the petals were 4.5 cm wide, and the pouch was 4.8 cm wide.

by Olaf Gruss



Paphiopedilum Gloria Naugle 'Tristar'
GM/TOGA, FCC/AOS
(*micranthum* x *rothschildianum*)
Grand Champion, Taiwan International Orchid Show 2016
Exhibited by Tristar Orchids, Taiwan
Photo: Tristar Orchids

VISIT TO QUINTAL FARMS IN HILO, HAWAI'I

by Chris Hubbert

Preamble: Following the Paphiopedilum Guild conference held at Hilo, Hawai'i, in January 2015, I had the pleasure of visiting several orchid nurseries, by courtesy of Lois Dauelsberg (Vice-President of the Slipper Orchid Alliance and Past President of Orchid Digest) and her husband, Larry (ever-patient driver), who most kindly took me under their wing as it were, in company with Judith Rapacz-Hasler (Editor of *Slipper Orchids*, the SOA journal). A most enjoyable day. My thanks to Lois, Larry and Judith for their kindness and excellent company.

A number of growers whose nurseries are not normally open to visitors had invited conference attendees. We visited three establishments - Quintal Farms, Hilo Orchid Farm and Lehua Orchids. These properties are located to the south of the city of Hilo on the eastern side of "the Big Isle," in the localities called Kurtistown and Mountain View.



In a paph house (established plants)



Paph seedling house – smaller, darker



The eponym, Mr. Kai Quintal, himself!



Paph seedlings in 3" pots - bark & perlite

Quintal Farms is a family-owned and operated business established in 1983, originally growing and selling anthuriums, then later orchids exclusively. It is located on the way to the volcano; the area has a temperate climate, abundant light, and seasonal trade winds, well suited to growing orchids. The property was not easy to find, despite clear directions! It was a large and rather rambling estate, with a long driveway in, leading to the family house and a number – perhaps a dozen – of different orchid houses. Most of the houses are roofed and walled with only shade cloth, but some of the houses have solid roofs, and a few also have solid walls.

The Quintals grow and sell quite a variety of orchid genera, species and hybrids, but of course our principal interest was the phragmipediums and paphiopedilums. They are a wholesale nursery with a minimum order of 30 plants, and they ship to the mainland USA.

On this visit, in the paph houses that we saw, there were few paphs in flower. It was different in the phrag houses, however.

Quintal Farms appears to have done a lot of hybridizing with *Phrag. kovachii*; OrchidWiz lists some 20 or so hybrids originated by QF, many of which are second generation. A few paphs and non-kovachii hybrids are shown first, followed by kovachii hybrids.

Whereas the early *Phrag. kovachii* hybrids that I have seen, both in the flesh at Tokyo and at Perth, and in print and other media, were in the pastel shades and tended to suggest that the bold color of the species may have been recessive, it is pleasing to see that later progeny, first and second generation, are now coming through with strong colors.



Paphiopedilum (Memoria Miguel Medina x *philippinense*)



Paphiopedilum (Iko Iko x Satchels Legend)



Phrag bench



Paphiopedilum Lynleigh Koopowitz
(*delenatii* x *malipoense*)



Phragmipedium Silver Eagle (*schlimii* x *czerwiakowianum*)



Phragmipedium Sophie Vukurevich
(*besseae* f. *flavum* x Silver Eagle)



Phragmipedium *besseae* f. *flavum*



Phragmipedium Nicholle Tower (*longifolium* x *dalessandroi*)



Phragmipedium Seymour Tower (*dalessandroi* x *schlimii*)



Phragmipedium (Penns Creek Cascade x *dalessandroi*)



Phragmipedium Eumelia Arias 'Q. F. Deenie' AM/AOS
(*kovachii* x *schlimii*)



Phragmipedium Ekolu Quintal
(*Peruflora's Spirit* x *dalessandroi*)



Phragmipedium Fritz Schomburg (*kovachii* x *besseae*)



Phragmipedium QF Agnes Atkinson
(*fischeri* x Haley Decker)
(This flower was photographed at the conference)



Phragmipedium Peruflora's Spirit (Eric Young x *kovachii*)

(This article originally appeared in the December, 2015 issue of Exul, the publication of the New Zealand Paphiopedilum Alliance.)

All photos are by Chris Hubbert, taken at Quintal Farms, except as mentioned.



Phragmipedium Kyle Quintal (Haley Decker x *besseae*)



Phragmipedium Kaila Quintal 'Pikes Peak' AM/AOS (84 pt)
(Peruflora's Cirila Alca x *schlimii*)
Owner: Lois Dauelsberg; Photo: Larry Livingston

BIOGRAPHY

At a young age, I became vaguely aware of "orchids" when my father, who was a teacher, brought home a cut stem or two of cymbidiums at the end of a school week. Years later, in the early 1980s, I stumbled across my first orchid show – North Shore Autumn Show. For a time I was mystified as to why orchid shows were not held more frequently! I have fond memories of NZOS shows at Mt. Albert, the hall predominantly filled with row upon row of cymbidiums (how times have changed since then!) and becoming captivated by the huge diversity of "other genera." I acquired a few cymbidiums in the meantime and then joined the North Shore Orchid Society in 1987. I was elected to the NSOS committee in 1992 and became editor of its magazine *Insigne* in 1994 (still continuing). Along the way I also served as vice-president and then president of NSOS. I joined the New Zealand Paphiopedilum Alliance in the late 1990s. I became editor of its magazine in 2003 (also still continuing) and was appointed treasurer of the Orchid Council in 2015. I am an Accredited Judge of the Orchid Council of New Zealand, the Cymbidium Society of America and the New Zealand Orchid Society. I am a lawyer by profession, now retired.

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username = Newsletter
password = pouches

ALAN MOON – ORCHID WORLD GIANT

We are very sad to report that Alan Moon, former Curator of the Eric Young Orchid Foundation in Jersey, died on February 1, 2016, at the age of 78. He began working at McBeans Orchids in East Sussex as a trainee grower in 1952 and was promoted to take charge of one of the Cymbidium houses. He moved to Jersey in 1961 to work with orchid enthusiast Eric Young, but returned to McBeans in 1967. Alan moved back to Jersey in 1972 and for the next 12 years helped Eric build up his orchid collection and establish the charitable Eric Young Orchid Foundation, which opened to the public in 1986 (two years after Eric's death).

Alan became Curator of the Foundation in 1988. It regularly exhibited at Royal Horticulture Society (RHS) Flower Shows, winning the Lawrence Medal for the best exhibit of the year in 1991, the Williams Memorial Medal twice (1990, 1996) and the Westonbirt Orchid Medal six times between 1990 and 2006, as well as many others. In 2000, the Foundation closed for redevelopment to a design dating from Eric's time. Alan saw it through, and the Foundation reopened in 2001. He retired as Curator in 2002 after having bred more than 500 cultivars during his time in office, which received many Awards of Merit and First Class Certificates from the Royal Horticultural Society. He was recognized for his forward thinking on breeding. With Eric's support, Alan and the late Don Wimber were pioneers in meristemming and chromosome counting. Most of us in the orchid world specialize in certain genera, but Alan was one of the rare individuals who could respond to a question about most types. He collaborated with John Blowers on a book, *Your First Orchids* (1993). Alan was a member of the RHS Orchid Committee from 1988 to 2003. In 1993 he was made an Associate of Honour and in 1999 was awarded the Victoria Medal of Honour in Horticulture, the highest accolade the RHS can award.



(We are grateful to Paul Phillips of Ratcliffe Orchids for providing this information.)

Photo:
Alan Moon on the right; Paul Phillips on the left

PAPHIOPEDILUM FORUM, FEBRUARY 13, 2016

The 36th Annual Paphiopedilum Forum, held at the National Arboretum in Washington, D.C., on February 13, 2016, lived up to its reputation as the must-go-to meeting for slipper lovers on the East Coast. Registrants were immersed in a full day of lectures, sales, and the opportunity to view over a hundred slipper orchids ranging from species, historical hybrids, through cutting-edge new hybrids. A bit of levity was provided by the class for the ugliest slipper, and it did not disappoint.

Olaf Gruss, from Germany, opened the morning lectures with a fast-paced, eye-opening review of recently discovered species and some new hybrids. He was followed by Hadley Cash, of Marriott Orchids in Kernersville, North Carolina, with "New Complex & Novelty Paph Hybrids from Marriott Orchids."

After a box lunch registrants again cruised the sales area while judges bestowed ribbons, trophies and then several AOS awards. A Slipper Orchid Culture Panel, moderated by Bill Goldner, started the afternoon session. It was followed by David Sorokowsky, of Paph Paradise, Lockeford, California, presenting "Maudiae Paphs: Past, Present and Future." A discussion of plants displayed by registrants, including ribbon and trophy winners, conducted by Bill Goldner, Gordon Slaymaker and Steve Shifflett, concluded an intense and satisfying day.

The winner of the SOA-sponsored People's Choice Award was Jeff Morris for his magnificent *Paph*. Michael Koopowitz 'Morright,' which also received an AM of 83 points and a Certificate of Cultural Excellence of 92 points from the AOS judges. (See picture on this issue's cover.)

The SOA silent auction was very successful and benefited the Paph Forum also. Our thanks go to the following who very generously donated plants or items: Hadley Cash (Marriott Orchids), John Chant (Orchid Zone), Bill Goldner (Woodstream Orchids), Nancy Mountford (Cove Laboratory), Steve Shifflett (Floradise Orchids), Dave Sorokowsky (Paph Paradise), Jeff Morris, John Whiting and Barbara Tisherman.

Co-chairmen Bill and Lynn Goldner and members of the National Capital Orchid Society are to be commended for again producing a special and treasured day for slipper lovers.

Barbara Tisherman
SOA President

MULTIFLORAL PAPHIOPEDILUM CULTURAL HINTS

by Jeff Morris

1. With many orchids large specimens can be grown mounted or in a non-organic medium. These specimens can go many years without repotting. Not so for the large paphiopedilums. Personally, I find that they still need to be repotted regularly. Ideally once a year. Definitely no more than two years. Letting the paphs go longer risks decline. It is always easier to keep a healthy paph growing than to revive a distressed one.
2. With most of the multifloral paphiopedilums warmer nights and long days are a plus. They grow and respond better if the night-time temperature doesn't go below 65 degrees Fahrenheit. Also, they seem to appreciate a longer day length. Multiflorals need more light than Maudiae types and single flowered species. Try to avoid growing locations that don't have full day-length exposure. NOT full light – full length of day!
3. When fertilizing, resist the temptation to try to push them with extra fertilizer. It is better to feed regularly with weak concentrations than to try forcing growth with larger concentrations. Also, don't forget to supply magnesium and calcium with your fertilization. Even though the mix may be organic, it won't have any appreciable magnesium and calcium and many fertilizers don't either. Furthermore, in the warm part of the summer, don't use fertilizers with a lot of phosphate. Make sure the ratio is 1/2 to 1/3 of the nitrogen/potassium available.

UPCOMING EVENTS

AOS FALL MEMBERS' MEETING

October 19-23, 2016

The Huntington Library, Art Collections and
Botanical Gardens in Los Angeles, CA
www.AOSFall2016.com

FALL MID-AMERICA ORCHID CONGRESS

November 11-13, 2016; Buffalo, NY.
Hosted by Niagara Frontier Orchid Society
and the Buffalo Botanical Gardens
<http://www.niagarafrontierorchids.org/>
www.midamericanorchids.org/meetings/

22nd WORLD ORCHID CONFERENCE

November 8-12, 2017
Ecuador - Land of Orchids
Guayaquil Convention Center; www.woc22.com

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In each issue of our newsletter we recognize and thank our Supporting Members (individuals and businesses) whose additional dues make it possible for us to carry out our mission of preservation and education about all lady-slipper orchids. If you are interested in becoming a Supporting Member, please contact Arlene Ricker at aricker@verizon.net. We encourage our members to support these businesses. From our web site you may contact them directly.

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 Central Iowa OS, c/o Roger Brannian
 Eric Young Foundation, Eric Young
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 Little Brook Orchids, John F. Pyfer, Jr.
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