

# Miniature Phragmipediums



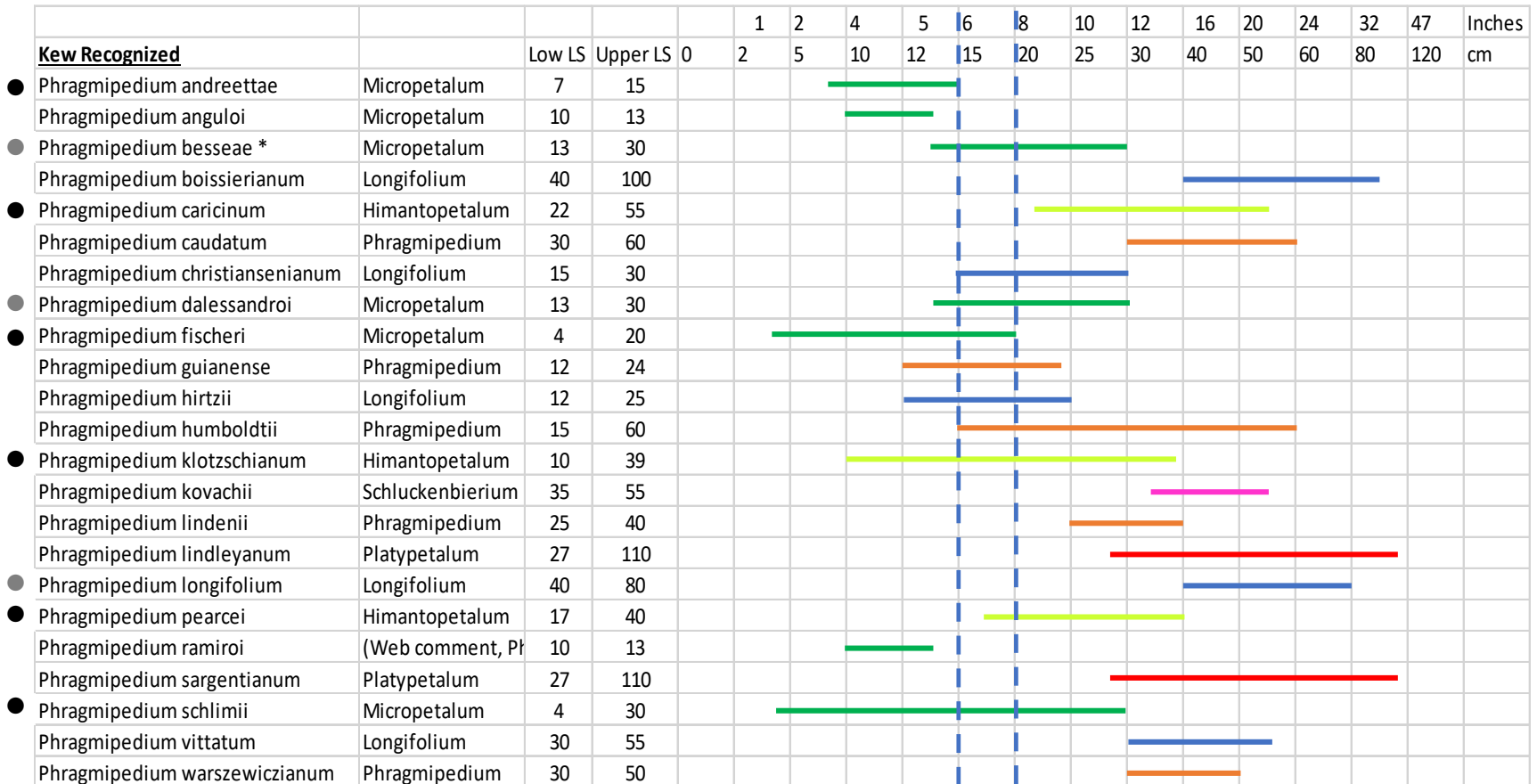
Karl Varian  
June 2019

Photo courtesy of Bill Goldner

# Agenda

- Definition
- Starting Points
  - Species
  - Primary Hybrids
  - Approach
- Early Hybrids
- Current Award Crosses
- Observations – Future – Judging

# Standard Phragmipedium Leaf Span



**Miniature**  
 less than 6 in. leaf span,  
 began blooming 2 inch pot,  
 four to eight growths in a four inch pot

**Compact**  
 less than 6-8 in. leaf span,  
 began blooming 3 inch pot,  
 four to eight growths in a five inch pot

# Species – Starting Points

## Starting Small and Selecting Small

- Starting Small

- Phrag. andreettae
- Phrag. caricinum
- Phrag. fischeri
- Phrag. klotzschianum
- Phrag. pearcei
- Phrag. schlimii (ecuadorensis)
- Phrag. schlimii
- Phrag. longifolium var. gracile
- Phrag. longifolium (hartwegii) var. baderi
- Phrag. besseae (NS 8.0 x 6.4 cm)



Phrag. caricinum  
NS 3.3 x 10.0 cm



Phrag. andreettae  
NS 4.6 x 3.2 cm



Phrag. fischeri  
NS 4.8 x 4.0 cm



Phrag. schlimii  
NS 4.8 x 4.0 cm



Phrag. pearcei  
NS 5.2 x 10.7 cm



Phrag. longifolium  
var. gracile  
NS 10.0 x 10.0 cm



Phrag. klotzschianum  
NS 8.0 cm



Phrag. longifolium  
f. baderi

OrchidWeb.com

orchidspecies.com

# Issue - Selecting Small



Bench of *Phrag. besseae* pictured above – Common practice among some orchid nurseries are that ‘small, slow, or weak-appearing’ seedlings are ruthlessly culled from the masses.

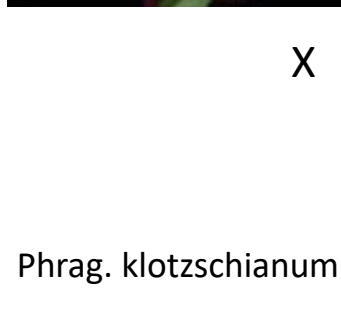
# First Miniature Phrag

- Phrag. Colorado Mission (Phrag. schlimii x Phrag. klotzschianum) 1994, Dr. Lou Hegedus, 1 AOS award, no progeny



Phrag. schlimii  
'Silver Creek' HCC/AOS  
Jan 2005, NS 4.8 x 4.0 cm

X



Phrag. Colorado Mission 'Windy Hill's Pinkie'  
HCC/AOS, Jun 2007, NS 7.6 x 5.8 cm

# Early Miniature / Compact Primary Hybrids



Woodstream Orchids

- **Starting Small**
  - **Phrag. Tickled Pink**  
(Phrag. pearcei x Phrag. schlimii),  
2006, Woodstream, no progeny,  
no awards



Phrag. Summer Fire  
'Spring Creek' AM/AOS  
Mar 2016, NS 9.0 x 11.0 cm



Woodstream Orchids

- **Selecting Small**
  - **Phrag. Summer Fire**  
(Phrag. lindleyanum x  
Phrag. klotzschianum), 1994, D.  
Pulley, 4 F1 progeny, 2 AOS  
awards (1 AM, 1 HCC)

Phrag. Hanne Popow  
Selected cultivar

- **Phrag. Hanne Popow**  
(Phrag. besseae x Phrag. schlimii),  
1991, H. Doll, 67 F1 and 224 total  
progeny, 56 AOS awards (2 FCCs,  
25 AMs, 25 HCCs, 1 CCE, 3 CCMs)



- **Phrag. Saint Ouen** (Phrag. Hanne  
Popow x Phrag. besseae), 1996,  
E. Young O. F., 28 F1 and 61 total  
progeny, 23 AOS awards (10 AMs,  
12 HCCs, 1 JC)



Phrag. Saint Ouen  
'Ice Queen' JC/AOS  
Mar 2016, NS 7.3 x 5.3 cm

Phrag. Saint Ouen  
'Flamingo' HCC/AOS  
Oct 2011, NS 8.9 x 7.1 cm

# Early Miniature / Compact Primary Hybrids, cont.



Phrag. Hat Creek  
'Lassen' AM/AOS  
Apr 2017, NS 7.8 x 6.5 cm

- **Starting Small**
  - **Phrag. Hat Creek**  
(Phrag. longifolium var. baderi x Phrag. fischeri), 2008, Woodstream, 1 F1 progeny, 1 AM/AOS award
  - **Phrag. Pink Panther**  
(Phrag. schlimii x Phrag. fischeri), 2004, Orchids Ltd., 13 F1 and 16 total progeny, 1 AM/AOS award



Phrag. Pink Panther  
'TOP' AM/AOS  
Apr 2015, NS 4.7 x 4.1 cm

- **Selecting Small**
  - **Phrag. Mini Grande**  
(Phrag. humboldtii x Phrag. pearcei), 2001, Carson Barnes, 1 F1 progeny, 2 AM/AOS awards
  - **Phrag. Barbara LeAnn**  
(Phrag. besseae x Phrag. fischeri), 1998, J. L. Fischer, 36 F1 and 95 total progeny, 11 AOS awards (7 AMs, 4 HCCs)



Phrag. Mini Grande  
'Granfalloon' AM/AOS  
Apr 2018, NS 4.0 x 26.0 cm



Phrag. Barbara LeAnn  
'Barbara' AM/AOS  
Nov 1999, NS 5.0 x 4.9 cm



# Initial Breakthrough cross

- **Phrag. Lynn Evans-Goldner**  
(Phrag. schlimii x Phrag. Barbara LeAnn), 2004, Woodstream, 8 F1 and 19 total progeny, 2 HCC/AOS Awards.
- Six progeny have received 16 AOS flower quality awards
  - 2 FCC, 7 AMs, 6 HCCs, 1 AD
  - Nine granted since 2015
  - Detailed Progeny information follows



Phrag. Lynn Evans-Goldner  
'Joan' HCC/AOS  
Feb 2007, NS 5.8 x 4.1 cm

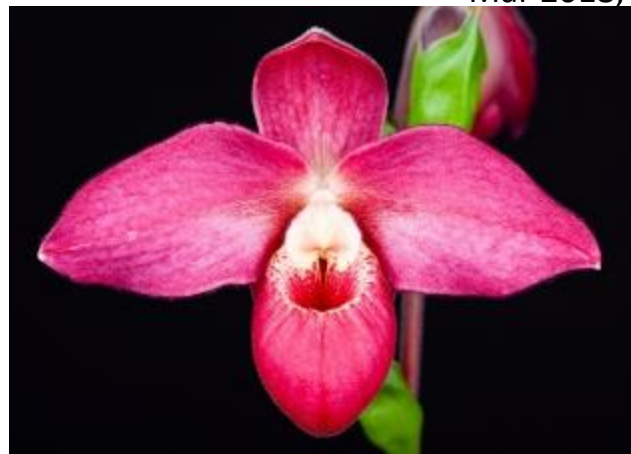
# Phrag. Sue Omeis

- Phrag. Sue Omeis (Phrag. Saint's Apprentice x Phrag. Lynn Evans-Goldner), 2011, Woodstream, 1 F1 progeny, 4 AOS awards (2 FCCs, 1 AM, 1 HCC, 1 CCM)

- FCC award descriptions:

- Pride of Mingoville – “Six magnificent flowers and six buds on six pleasingly arranged inflorescences on a 76-cm wide by 92-cm tall plant grown in a 20-cm diameter plastic pot in bark mix; dorsal sepal violet-cerise; synsepal white with cerise picotee; petals violet-cerise; pouch slightly darker cerise; staminode cream with ruby pubescence; substance firm; texture velvety; grower also received a CCM”
- Black Canyon – “One large, impressive flower, one immature flower, and one bud on one 32.5-cm, erect inflorescence carried on a 56-cm diameter growth; dorsal sepal slightly cupped, dark fuchsia, reticulated darker fuchsia; synsepal yellow, edged dark fuchsia; petals flat dark fuchsia, pale yellow and pubescent red proximally; pouch darker fuchsia, interior chrome yellow, spotted red; staminode yellow, pubescent red on margins; substance firm; texture velvety.

Phrag. Sue Omeis  
'Pride of Mingoville' FCC/AOS  
Mar 2018, NS 9.3 x 7.0 cm



Phrag. Sue Omeis  
'Black Canyon' FCC/AOS  
Jan 2019, NS 9.5 x 6.6 cm



# Phrag. Cape May County

- Phrag. Cape May County (Phrag. Lynn Evans-Goldner x Phrag. besseae), 2008, Woodstream, 1 F1 and 2 total progeny, 3 AOS awards (2 AMs, 1 HCC)



Phrag. Cape May County  
'Icy Peach' HCC/AOS  
Dec 2017, NS 6.5 x 5.6 cm



Phrag. Cape May County  
'Pastel Principessa' AM/AOS  
Jun 2016, NS 6.0 x 4.5 cm

From award description:  
"commended for a nearly pristine white, flat flower due to the use of the flavum form of besseae"

# Phrag. Spot On

- Phrag. Spot On (Phrag. Lynn Evans-Goldner x Phrag. Pink Panther), 2009, Woodstream, 3 F1 progeny, 3 AOS awards (2 AMs, 1 HCC)



Phrag. Spot On  
'Rose Revolution' AM/AOS  
Jan 2010, NS 5.1 x 3.7 cm



Phrag. Spot On  
'Nez Pez Creek' AM/AOS  
Feb 2018, NS 5.3 x 3.9 cm

# Phrag. Bullseye



Phrag. Bullseye  
'Penns Creek' AM/AOS  
Mar 2014, NS 6.5 x 4.5 cm

- Phrag. Bullseye (Phrag. Hanne Popow x Phrag. Lynn Evans-Goldner), 2009, Woodstream, 1 F1 progeny, 3 AOS awards (1 AM, 2 HCCs)

# Phrag. Castle Rock Creek

- Phrag. Castle Rock Creek (Phrag. Saint Ouen x Phrag. Mingoville Sunset), 2017, Woodstream, no progeny, 1 AD/AOS award
  - Phrag. Mingoville Sunset (Phrag. Waunakee Sunset x Phrag. Lynn Evans-Goldner)
- Award description comment:  
“... noted as a breakthrough in breeding a solid white Phragmipedium”



Phrag. Castle Rock Creek  
AD/AOS  
Jan 2017, NS 5.5 x 4.7 cm

# Phrag. Nez Perce Creek

- Phrag. Nez Perce Creek  
(Phrag. Grande x Phrag. Spot On),  
2018, Woodstream, no progeny,  
1 AM/AOS award
- From Award Description:  
“One unique, richly colored flower  
and two buds on one stately,  
upright, **17.9-cm** inflorescence;  
dorsal sepal light rose, veined dark  
plum-pink lightly on distal third; ...”

Phrag. Nez Perce Creek  
'Penns View' AM/AOS  
May 2018, NS 4.8 x 16.0 cm



# Observations - Judging - Future

- Miniatures have been successful with Cattleyas, Dendrobiums, Phalaenopsis, Paphiopedilum, etc.
- Breeding approach
  - “Selecting Small” creates breeding stock
    - But will it get a judge's attention?
    - Is this correct?
    - How to differentiate?
  - “Starting Small” creates a limited breeding line
    - Will new species be found?
  - The blend of the two above approaches appears to be working
- Appears to be a limited source of Miniature Phrags.
  - May increase with increase hobbyists demand
  - ‘Got to have cross’
- Recent breeding emphasis
  - White Phrag.
  - Long petals
  - Darker reds



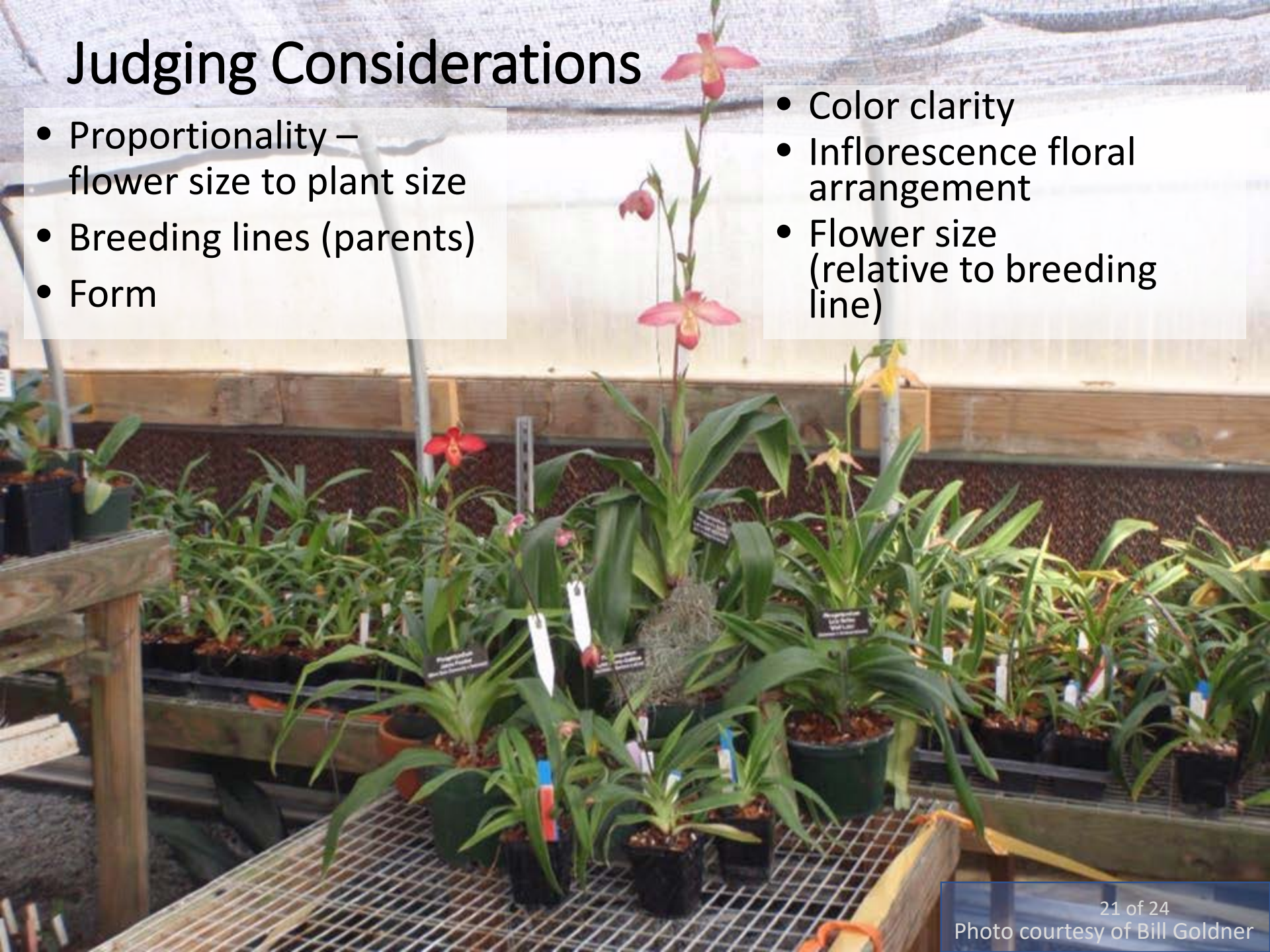
# Judging

- Miniature Phragmipedium Hybrids are now appearing that are getting a Judges attention.
  - Not all are truly miniature or compact, but they are smaller
- Show Schedules
  - SWROGA
    - 202. Phragmipedium species.
    - 203. Phragmipedium besseae influenced hybrids.
    - 204. Phragmipedium kovachii influenced hybrids.
    - 205. Phragmipedium hybrids other than
  - Mid America Orchid Congress
    - 40. Phragmipedium species
    - 41. Phragmipedium besseae hybrids, but excluding Phragmipedium kovachii
    - 41a. Phragmipedium kovachii hybrids
    - 42. Phragmipedium, Other hybrids
  - Maryland, DC, Virginia area
    - 43. Phragmipedium, Miniature  
Open to species and hybrids predominately influenced by miniature species of sections Himantopetalum or Micropetalum. Representative species include P. pearcei, P. richteri, P. fischeri, and P. schlimii.
    - 44. Phragmipedium, Long-Petaled  
Open to species and hybrids predominately influenced by section Phragmipedium with pendulous petals hanging considerably below the lip. Representative species include P. caudatum, P. wallisii, and P. warszewiczianum.
    - 45. Phragmipedium, longifolium-Type  
Open to species and hybrids predominately influenced by section Lorifolia with narrow petals held more or less horizontally. Representative species include P. longifolium, P. sargentianum, and P. boissierianum.
    - 46. Phragmipedium, besseae/kovachii  
Open to species and hybrids predominately influenced by P. besseae and/or P. kovachii
    - 47. Phragmipedium, Other  
Open to species and hybrids not eligible for other Phragmipedium classes

# Judging Considerations

- Proportionality – flower size to plant size
- Breeding lines (parents)
- Form

- Color clarity
- Inflorescence floral arrangement
- Flower size (relative to breeding line)



# They are appearing at our shows



Phrag. Priscilla's Pirouette  
(Phrag. Acker's Ballerina x  
Phrag. dalessandroi)  
Select Small?, ¼ Phrag. fischeri

Phrag. Pink Panther  
(Phrag. schlimii x Phrag. fischeri)  
Starting Small



Phrag. Clementine Louise  
(Phrag. Praying Mantis x  
Phrag. pearcei)  
Select Small?, Rcv'd HCC/AOS

# References

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