



Cypripediums for Connecticut Gardens

Paul Perakos & Ron Burch





Cypripedium pubescens in Paul's Garden





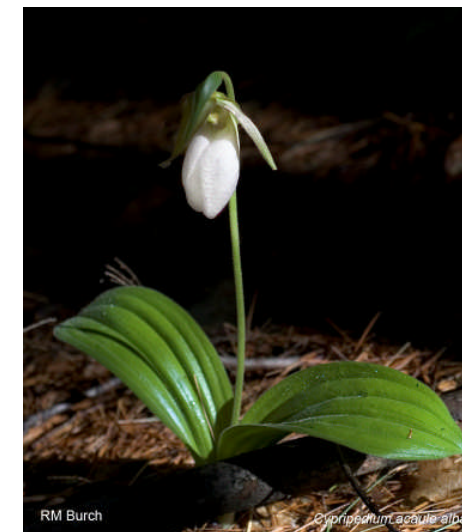
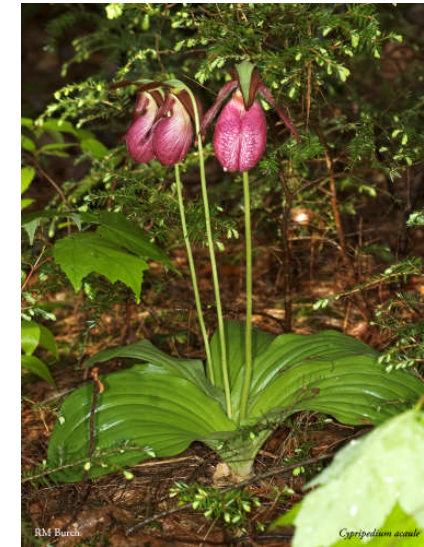
Cypripedium Around the World

- *Cypripedium* is one of the 5 genera of “slipper orchids” – *Cypripedium*, *Phragmipedium*, *Paphiopedilum*, *Mexipedium*, and *Selenipedium*
- There are 45 species of *Cypripedium*
- Temperate, terrestrial orchids
 - 30 species in China
 - 14 species in North America and Mexico
- About 12 species are easy to cultivate
- Several *Cypripedium* hybrids have been developed that have excellent garden potential





Cypripedium acaule – wild in CT





American *Cypripedium*



Cypripedium candidum





American *Cypripedium*



Cypripedium kentuckiense





American *Cypripedium*



Cypripedium montanum





American *Cypripedium*

Cypripedium parviflorum
var. *parviflorum*
var. *pubescens*





American *Cypripedium*



Cypripedium reginae





Cypripedium reginae – the Giant Cyp

This plant is almost
three feet tall !





Asian *Cypripedium*

Cypripedium calcicolum



RM Burch

Cypripedium calcicolum





Asian *Cypripedium*



Cypripedium formosanum

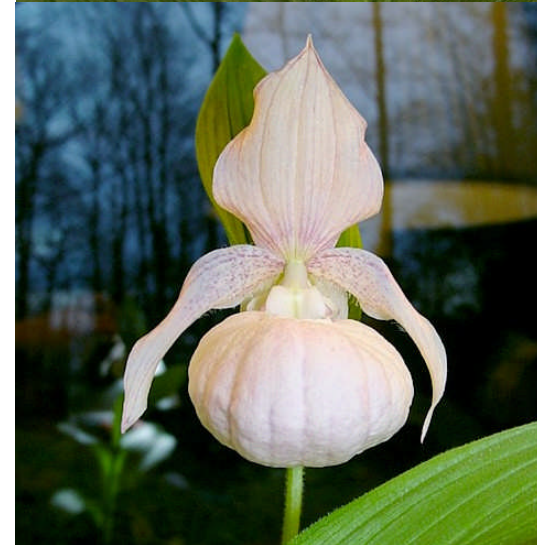




Asian *Cypripedium*



*Cypripedium
macranthos*





Asian *Cypripedium*



Cypripedium xventricosum

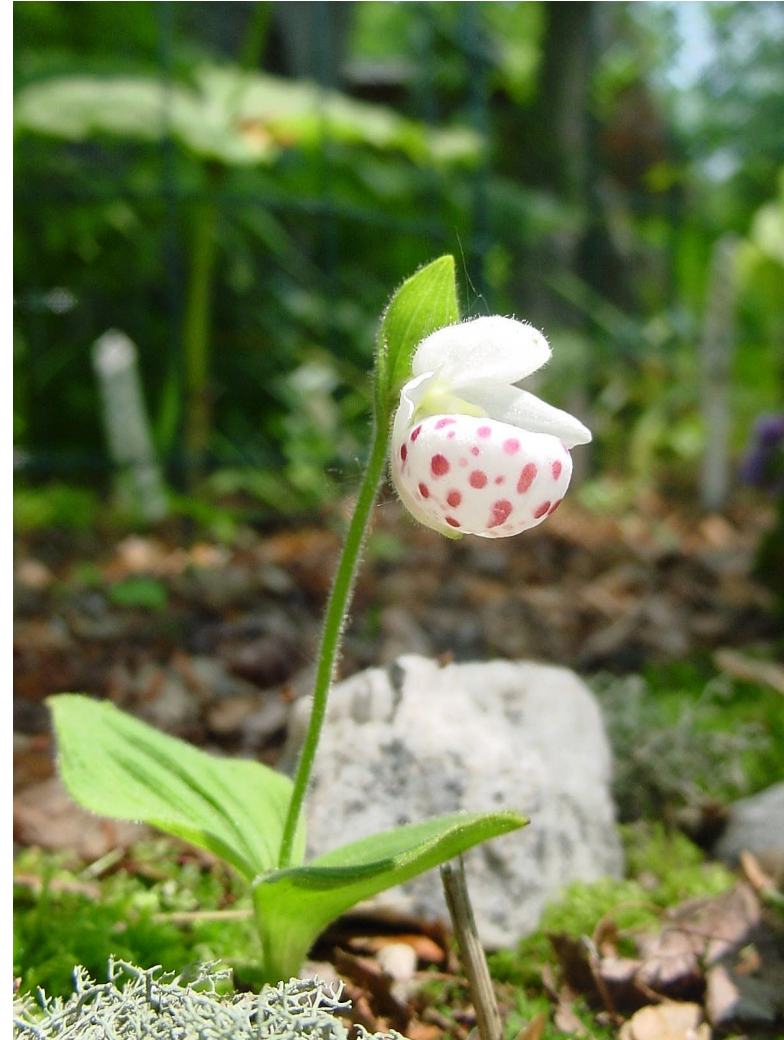




Asian *Cypripedium*



*Cypripedium
wardii*





Cypripedium Hybrids for the Garden

- Several hybrids have been developed that have excellent garden characteristics
- Hybrids are available that resemble many of the species





Cypripedium Hybrids for the Garden



Cypripedium Achim





Cypripedium Hybrids for the Garden



Cypripedium Aki





Cypripedium Hybrids for the Garden



Cypripedium andrewsii





Cypripedium Hybrids for the Garden



Cypripedium Emil





Cypripedium Hybrids for the Garden



Cypripedium favillianum





Cypripedium Hybrids for the Garden



Cypripedium Gisela





Cypripedium Hybrids for the Garden



Cypripedium Inge





Cypripedium Hybrids for the Garden



Cypripedium Philipp





Cypripedium Hybrids for the Garden

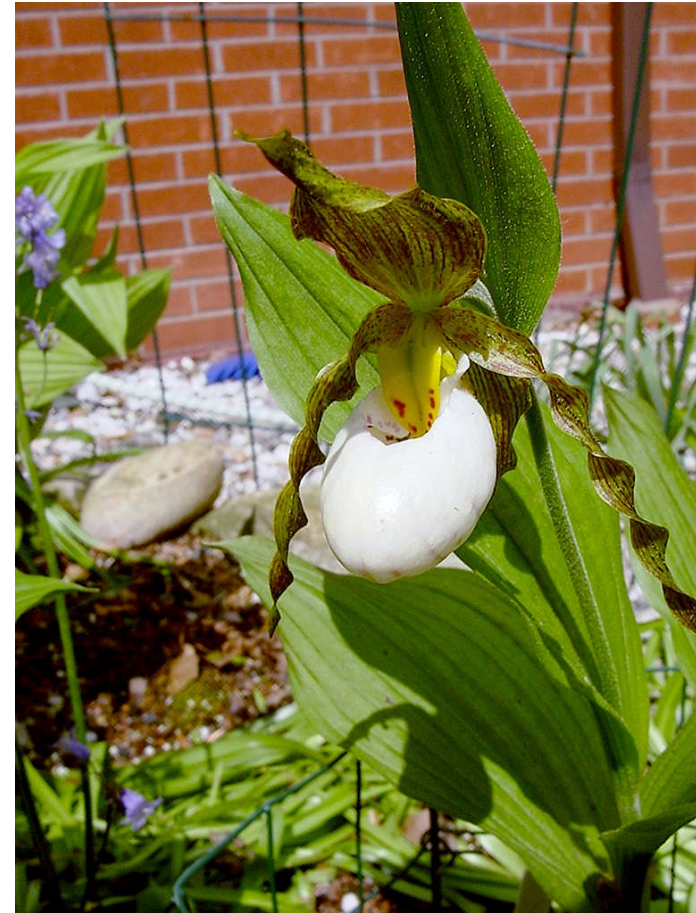


Cypripedium Ulla Silkens





Evaluating the Root Mass



Cypripedium Favillianum





Evaluating the Root Mass



Cypripedium parviflorum



Cypripedium xandrewsii



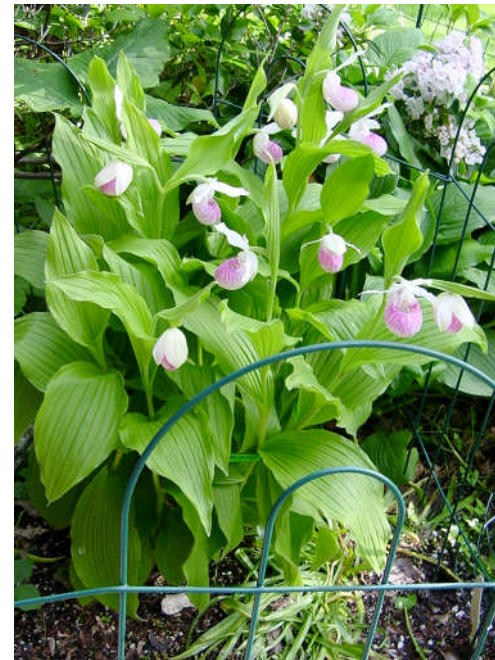


Development of *Cypripedium pubescens*





Development of *Cypripedium reginae*





Cypripedium pubescens in Pot Culture





Cypripedium reginae in Pot Culture





Potted *Cypripedium* Must be Vernalized!

- Pots may be covered in mulch outside
- Pots may be stored in the refrigerator





Good *Cypripediums* for the New Gardener

Species

- *Cypripedium reginae*
- *Cypripedium pubescens*



Hybrids

- *Cypripedium Favillianum*
- *Cypripedium Gisela*
- *Cypripedium Philipp*





The *Cypripedium* Gardens





The *Cypripedium* Gardens





The *Cypripedium* Gardens





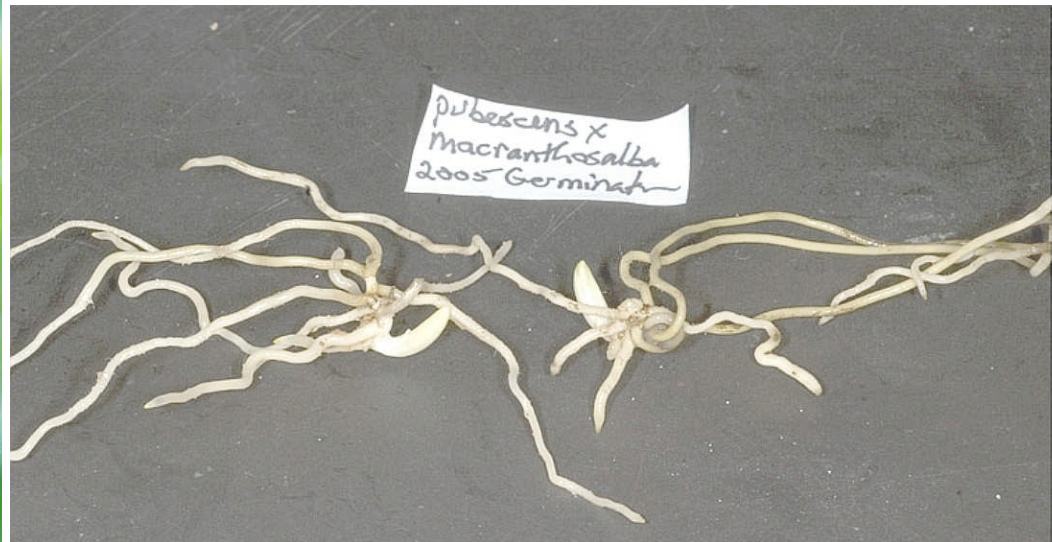
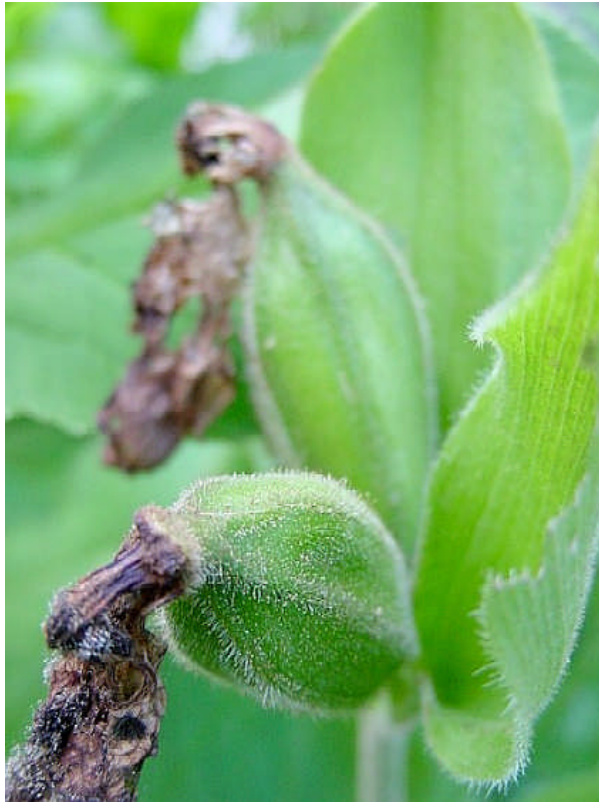
Propagating *Cypripedium*

- *Cypripedium* has been difficult to propagate from seed – first reported in 1986
- Several species have still not been propagated from mature seed
- More than 100 primary hybrids have been flowered
- About a dozen complex hybrids have been flowered



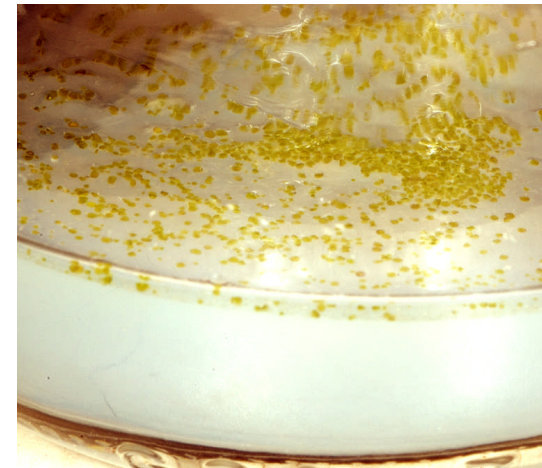


Propagating *Cypripedium*





Propagating *Cypripedium*



Left: Seed placed into bleach-detergent solution

Center: Seed following one cycle of vacuum (note lightening of pigment).

Right: Seed following three cycles of vacuum (note the lighter pigment as bleaching progresses).





Vernalization and First Year Seedlings





Sources of Seed-Grown Adult Plants

- Vermont Ladyslipper Company Ltd
 - fall list; www.vtladyslipper.com
- Hillside Nursery
 - spring and fall list; www.hillsidenursery.biz
- Wild Orchid Company
 - spring and fall list www.wildorchidcompany.com
- *Raising Rarities.com*
 - www.raisingrarities.com
- *Gardens at Post Hill LLC*
 - fall list; www.gardensatposthill.com
- *Plant Delights Nursery Inc*
 - www.plantdelights.com
- *Paul Christian Rare Plants*
 - spring and fall list; www.rareplants.co.uk

