

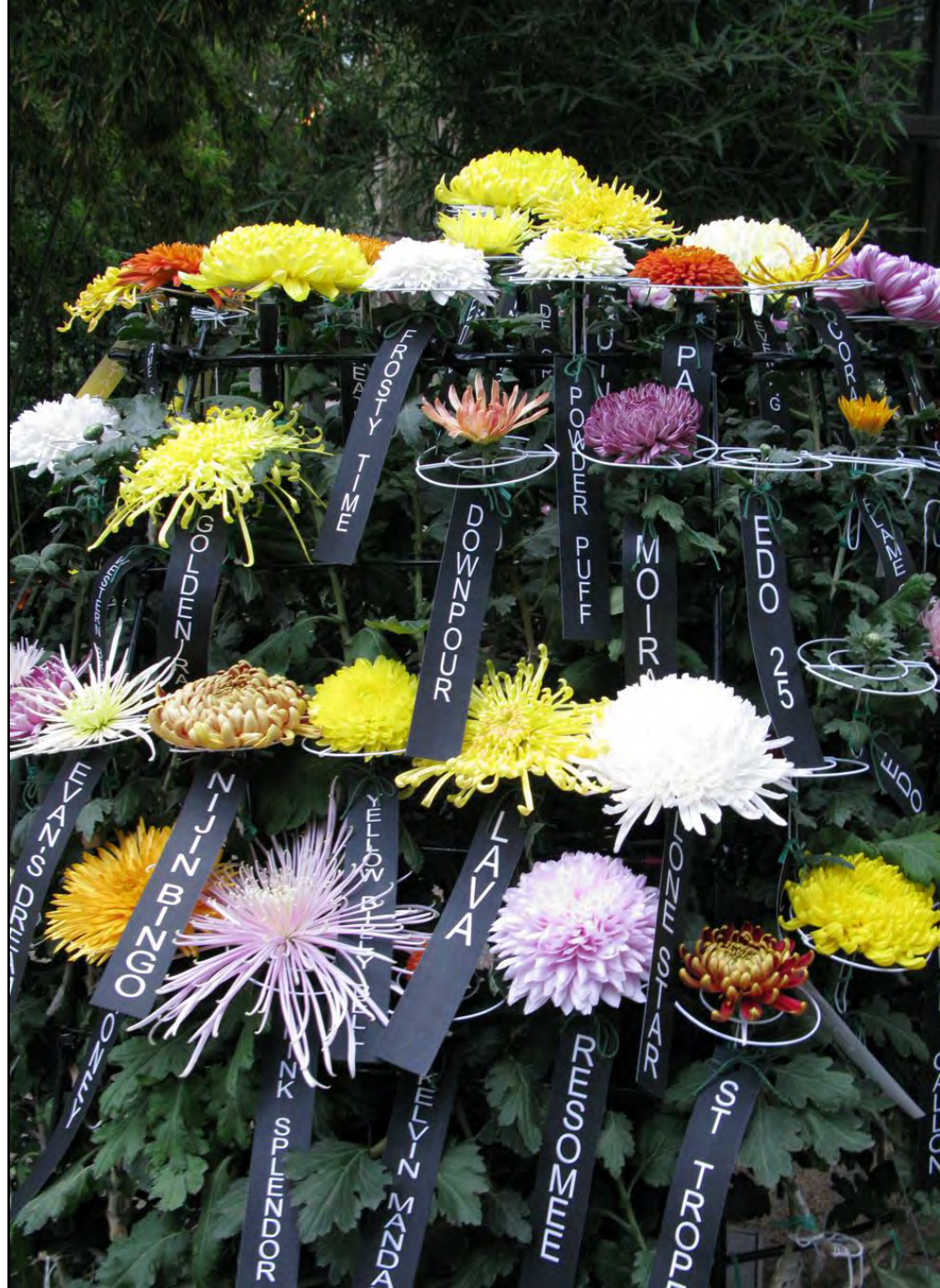
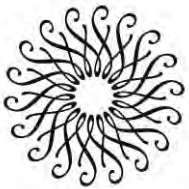
LONGWOOD
GARDENS

September 2016

Creating
Grafted Chrysanthemum
Forms

Creating Grafted Chrysanthemum Forms

100 Cultivar Grafted Chrysanthemum
Pagoda Chrysanthemum
Triple Dome Chrysanthemum
Gnome Chrysanthemum Tree





Cleft Grafting Process

A piece of tender stem tissue from each *Chrysanthemum* cultivar is tightly inserted into a base stem which has been slit. Each graft is wrapped in parafilm and covered to maintain humidity.





The art of grafting chrysanthemums has been practiced for centuries in Asia

Hyakushu setsubun kiku
Artist Kuniyoshi Utagawa
(1798-1861)
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Creating the 100 Cultivar Grafted Chrysanthemum

In the spring gardeners use their horticultural expertise to select more than 100 cultivars which all bloom at a similar time.

The many cultivars are grafted onto a rootstock of *Chrysanthemum* 'Susono-no-Tsuki' in early July.

Gardeners artistically combine the different cultivars and various flower types to create a harmonious display.





July



Wiring each protected flower carefully onto the framework in October



100 Cultivar Grafted Chrysanthemum

Creating the Pagoda Chrysanthemum

A traditional Chinese design





Chrysanthemum cuttings are grafted onto *Artemisia annua* root stock.
This technique is a common practice in China

As the plants grow taller each level of branches is grafted with chrysanthemum cuttings once the plant stems reach the correct size. Plastic bags create a protective environment for the newly grafted shoots.





Wiring the branches into place on the forms requires many skillful hands as stems are manipulated into place.





Small flowered chrysanthemum cultivars are grafted onto *Artemisia annua* plants to create Chinese Chrysanthemum Trees.

The small leaves and flowers of these cultivars are used to create bonsai chrysanthemums. They are perfectly suited to these fanciful forms.



Other grafted forms include the traditional Asian shield and smaller triple domes with hundreds of perfectly placed blooms.

