

New Developments in the World of Magnolias







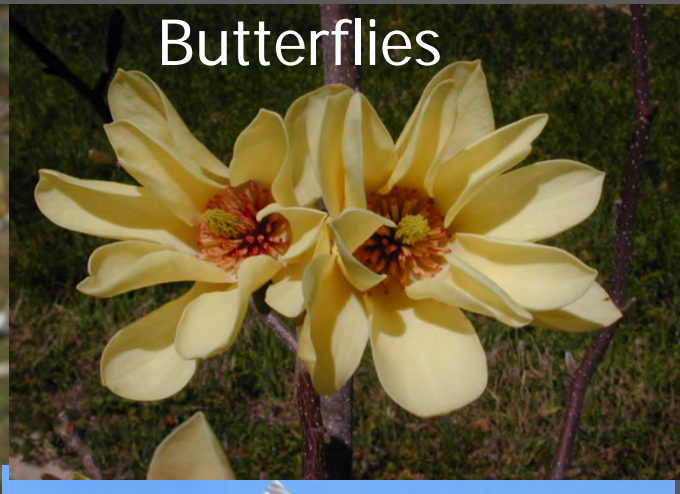
Ann



Gold Crown



Liliputian



Butterflies



Jon Jon



Ashe Magnolia



Daybreak



Sweetbay



Overview

- Why you should use magnolias
- Old standards and new variations
- Other magnolias to incorporate into your palette
- Up-and-coming magnolias to get excited about!





Magnolia Society International

- www.magnoliasociety.org
- 600+ members in 45 countries, including China
- Our mission is to promote conservation and cultivation of magnolias

The screenshot shows the website's header with the logo, a search bar, and navigation links: 'who we are', 'resources', 'members', 'join us', and 'contact us'. A social media link for Facebook is also present. The main content area features a large banner for the 2018 Annual Meeting in Raleigh, NC, with a magnolia flower image. Below the banner, there are sections for 'UPCOMING MEETINGS OF INTEREST', 'LEARN ABOUT MAGNOLIAS', and 'MEMBER SPOTLIGHT' featuring Marcela Serna. A 'RENEW YOUR MEMBERSHIP' button is visible at the bottom right.

Magnolia Society International
SOCIETY INTERNATIONAL

[who we are](#) | [resources](#) | [members](#) | [join us](#) | [contact us](#)

Magnolia Society International
2018 Annual Meeting

Please join us in
Raleigh
North Carolina
March 23-25, 2018

Details at
www.magnoliasociety.org

Registration for the 2018 MSI Annual Meeting is now open. The meeting will be held in Raleigh, NC from March 23-25. Register early for the best price. Early registration deadline is January 5, 2018. Final registration deadline is February 9, 2018. Hope to see you all in North Carolina! For more info, [click here](#).

UPCOMING MEETINGS OF INTEREST

Magnolia Society International 2018 Annual Meeting; Raleigh, North Carolina, USA; March 23-25, 2018. For more info, [click here](#).

LEARN ABOUT MAGNOLIAS

Get advice on selecting magnolias and [a list of magnolia resources online](#).

[Magnolia FAQs >](#)

MEMBER SPOTLIGHT

Marcela Serna

Meet Marcela and see what draws her to the world of magnolias, including one of her favorites - *Magnolia katiorum*.

[RENEW YOUR MEMBERSHIP >](#)

MAGNOLIA CLASSIFICATION



Magnolia Society International

- Annual Meeting
- 2019 Chicago USA
- 2020 South Korea:
Chollipo Arboretum

The screenshot shows the website's header with the logo, a search bar, and navigation links: 'who we are', 'resources', 'members', 'join us', and 'contact us'. A social media link for Facebook is also present. The main content area features a large banner for the 2018 Annual Meeting in Raleigh, North Carolina, with a magnolia flower image. Below the banner is a registration notice. To the right, there are sections for 'UPCOMING MEETINGS OF INTEREST', 'LEARN ABOUT MAGNOLIAS', and 'MEMBER SPOTLIGHT' featuring Marcela Serna. A 'RENEW YOUR MEMBERSHIP' button is located at the bottom right.

Magnolia Society International
2018 Annual Meeting

Please join us in
**Raleigh
North Carolina**
March 23-25, 2018

Details at
www.magnoliasociety.org

Registration for the 2018 MSI Annual Meeting is now open. The meeting will be held in Raleigh, NC from March 23-25. Register early for the best price. Early registration deadline is January 5, 2018. Final registration deadline is February 9, 2018. Hope to see you all in North Carolina! For more info, [click here](#).

UPCOMING MEETINGS OF INTEREST

Magnolia Society International 2018 Annual Meeting; Raleigh, North Carolina, USA; March 23-25, 2018. For more info, [click here](#).

LEARN ABOUT MAGNOLIAS

Get advice on selecting magnolias and a [list of magnolia resources online](#).

[Magnolia FAQs >](#)

MEMBER SPOTLIGHT

Marcela Serna

Meet Marcela and see what draws her to the world of magnolias, including one of her favorites - *Magnolia katiorum*.

[RENEW YOUR MEMBERSHIP >](#)

Why you should use Magnolias:

- Diverse
- Universal appeal
- Resilient
- Adaptable and available
- Beautiful
- Low maintenance
- Exciting new hybrids



Where are magnolias native?



Diversity

- 300+ Magnoliaceae species in Asia and the Americas
 - All are now “*Magnolia*”
 - No more *Michelia*, *Manglietia*, etc.

The Red List of Magnoliaceae

revised and extended

Malin Rivers, Emily Beech, Lydia Murphy & Sara Oldfield



Diversity

- 300+ Magnoliaceae species in Asia and the Americas
 - All are now “*Magnolia*”
 - No more *Michelia*, *Manglietia*, etc.

Adaptability

- Depending on the species:
 - Hardiness zones 3 – 12
 - Sun – shade
 - Wet – dry soils
 - Large tree, medium tree, small tree, shrub
 - Evergreen & deciduous
 - Native, non-native & hybrids

Availability: Nursery production of magnolias in 12 Southern states

Magnolia type or group	Number of nurseries growing this
Southern magnolia	138
Sweetbay magnolia	65
Star magnolia	47
Saucer magnolia	16
Banana-shrub	6
Yellow-flowered magnolia	5
Others	5

Universal Appeal & Exciting New Hybrids

- Magnolias are grown worldwide and are popular for their flowers, beauty, low maintenance and “toughness”
- Gardeners are excited by new hybrids



Resilience & Low Maintenance

■ Hurricane resistance research in Florida:

- Southern Magnolia rated in the top 3!
- Sweetbay magnolia also ranked high
- Observations suggest other magnolias also are wind-resistant

■ Magnolias considered low maintenance and pest resistant

Selecting Tropical and Subtropical Tree Species for Wind Resistance¹

Mary L. Duryea and Eliana Kampf²



plain tree species). It also discusses in detail its results and additional recommendations for selecting and establishing tropical and subtropical species for a healthier and more wind-resistant urban forest.

Study

Since 1992 when Hurricane Andrew struck south Florida, we have been studying the impacts of hurricanes on urban forests (Duryea et al. 1996; Duryea et al. 2007a; Duryea et al. 2007b). In 1998 when Hurricane Georges (177 km/h) crossed over the entire island of Puerto Rico, and in 2004 when Hurricanes Jeanne (193 km/h) and Charley (233 km/h) struck south Florida, we continued with these

Old Standards and New Variations

- Star magnolia
- Saucer magnolia
- Southern magnolia
- Champak magnolia



Star Magnolia, *Magnolia stellata*

- Very cold hardy, Zones (3) 4 – 8
- White, 3 – 5 in. flowers in early spring
- Each flower has 12 to 40 petal-like tepals, looking like a starburst
- Grows slowly as a multi-stemmed, broad-spreading, small tree or large shrub to 15 ft. or more
- Leaves are 4 – 8 in. long and 3 in. wide, dropping in fall
- Hundreds of cultivars and hybrids!



Star Magnolia, *Magnolia stellata*

Royal Star



Centennial



Star Magnolia, *Magnolia stellata*

Chrysanthemumiflora



King Rose



Star Magnolia: Little Girls Hybrids



- Ann
 - Others are Jane, Susan, Betty, Randy, Ricki
- Peak Bloom: mid to late spring



Star Magnolia: Little Girls Hybrids



- Ann and Jane also produce scattered flowers through summer



**Breeding for
cold hardiness:**

Dr. Todd West



Magnolia stellata and *M.*
×loebneri hybrids:
NDSU Selection TS13074



Photos by Greg Morgenson,
NDSU

Spring Welcome[®] Magnolia

Saucer Magnolia, *Magnolia × soulangiana*, and Hybrids

- Cold hardy, Zones (4) 5 – 8 (9)
- Fragrant, white to pink to purple flowers 3 – 12 in. across in early spring
- Grows as an upright to rounded tree, becoming picturesque with age
- Leaves are 3 – 10 in. long and wide, dropping in fall
- Hundreds of cultivars and hybrids!



Saucer Magnolia, *Magnolia × soulangiana*

Big Pink



Frosted flowers of an early blooming type



Improved hybrids: Jon Jon

- Peak bloom in mid- to late spring
- Weeks of flowering: 5.7



Improved hybrids: Daybreak

- "True" pink, not purply-pink
- Peak bloom in late spring
- Weeks of flowering: 5.5



Improved hybrids: Others



- Big Pink (left)
- Candy Cane (below)
- Frank's Masterpiece
- Vulcan
- Winelight
- Athene
- Star Wars
- Rose Marie





**American Magnolia
Breeder:**

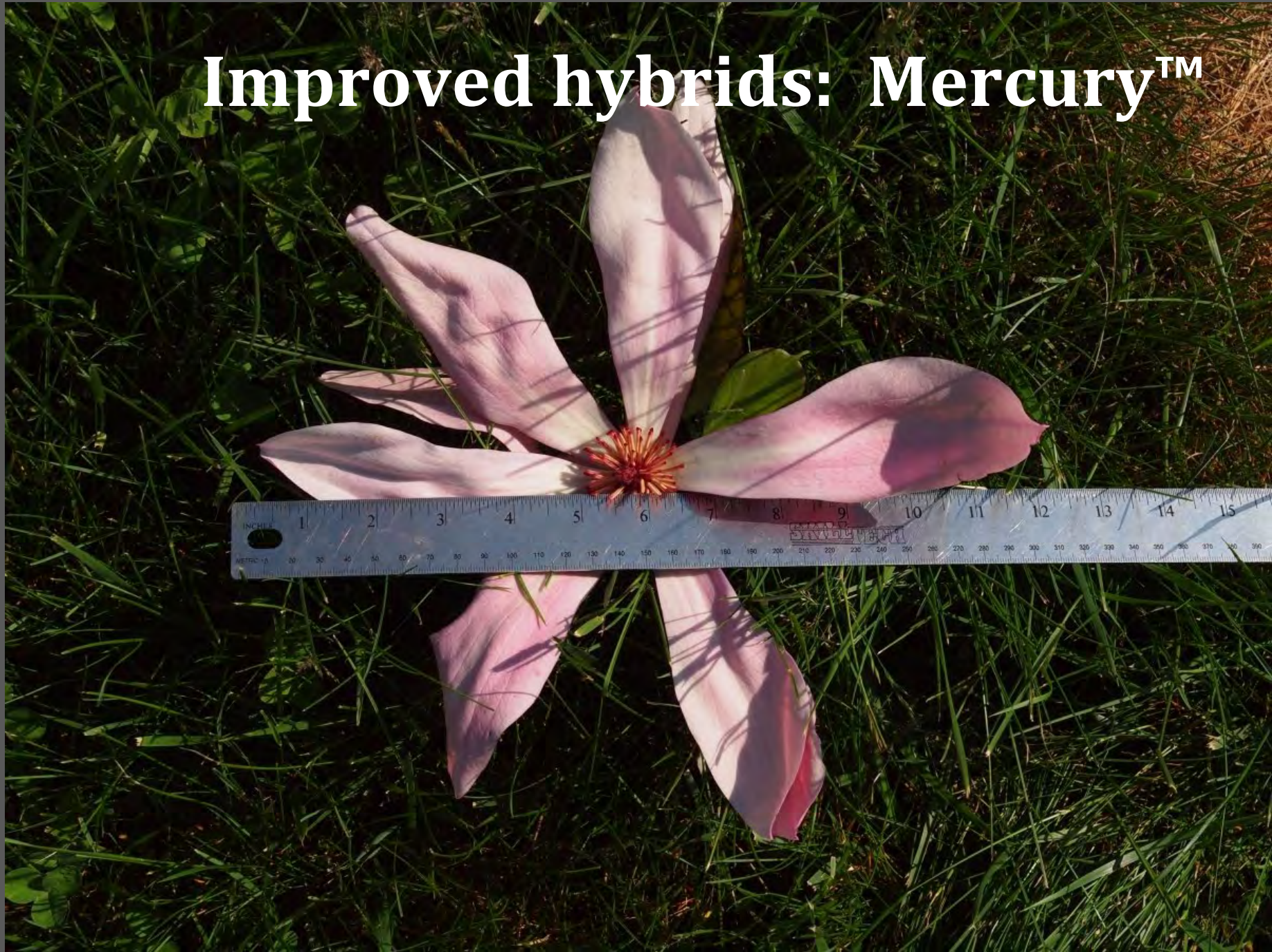
Dr. Tom Ranney





Improved hybrids: Mercury™

Improved hybrids: Mercury™



Southern Magnolia

Magnolia grandiflora

- Evergreen, Zones (5) 6 – 9
- Fragrant, white, large flowers up to 12 in. across
- Grows up to 80 ft. tall and 25-35 ft. wide but usually smaller in cultivation
- Leaves are shiny on top and underside often covered in colorful hairs
- Dozens of cultivars!



Southern Magnolia

Magnolia grandiflora



Southern Magnolia

Magnolia grandiflora

France



England



China



Ecuador



Southern Magnolia

Magnolia grandiflora



Magnolia grandiflora

'Bracken's Brown Beauty'

'D.D. Blanchard'

'Little Gem'



Magnolia grandiflora

'Bracken's Brown Beauty'

'D.D. Blanchard'

'Little Gem'



Magnolia grandiflora
'Little Gem'



Magnolia grandiflora
'Little Gem'



Magnolia grandiflora
'Kay Parris'



'Bracken's Brown Beauty' - 'Kay Parris'



Teddy Bear™

Magnolia grandiflora



Magnolia grandiflora
Teddy Bear™





Baby Grand[®]

- Trademarked name of the patented cultivar, 'STRgra'
- Dwarf: unknown ultimate size
- Rounded form (unique)



Champak, *Magnolia champaca*

- Evergreen
- Tropical plant growing in Zones (9b) 10 – 12 to the Equator
- Flowers spring, summer, and sporadically in winter
- Flowers 2 – 3 in. wide, creamy white to pale yellow to yellow-orange , EXTREMELY fragrant
- Leaves 6 - 10 in. long and 2½ in. wide
- Grows as a small tree up to 30 ft. or more tall and wide
- Top image:
https://upload.wikimedia.org/wikipedia/commons/1/1d/Magnolia_champaca_flowers_from_Villupuram_dt_IMG_3897.JPG



Magnolia champaca and *M. × alba*
at Leu Gardens in Orlando



Magnolia champaca at Leu Gardens in Orlando



Champak, *Magnolia champaca*



■ Image: <https://www.flickr.com/photos/tgerus/5211554398>

Other Magnolias you should use

- Sweetbay magnolia
- Ashe magnolia
- Yellow-flowered magnolias



Hot
Flash

Sweetbay, *Magnolia virginiana*



- 3-in. white flowers in late spring-summer with a sweet, lemony fragrance
- Native; grows up to 40 – 50 ft. tall and 20 ft. wide, but larger in the wild
- Silver leaf undersides



Sweetbay Magnolia

Northern ecotype – var. *virginiana*
Shrubby and deciduous; Zones 5-7



Southern ecotype – var. *australis*
Tree-form and evergreen; Zones 7-10



Sweetbay Magnolia



Sweetbay, *Magnolia virginiana*

- Moonglow (left)
- Aiken County (right)
- Others:
 - Green Shadow
 - Silver Mist
 - Northern Belle
- Other improved forms on-the-way



Mardi Gras™ Sweetbay



Sweet Thing™ Sweetbay



Ashe Magnolia, *Magnolia macrophylla* var. *ashei*

- Native; found only in ravines in Florida where it is endangered
- 12-in. flowers are white with a purple blotch and open in late spring
- Tree produces flowers when as young as 3 - 5 years old
- Leaves are 1 – 2 ft. long and half as wide, with silvery undersides
- Grows as a small, multi-stemmed tree up to 30 ft. tall and wide
- Hardy in Zones 6 – 8



Ashe Magnolia,
Magnolia macrophylla var. *ashei*



Ashe Magnolia,
Magnolia macrophylla var. *ashei*





**Yellow-flowered
Deciduous
Magnolias**



Yellow Flowered Magnolias



Yellow Flowered Magnolias

- Native *Magnolia acuminata* provides
 - Yellow flower color
 - Late flowering (avoiding frost damage)
 - Cold hardiness, heat tolerance, soil adaptability
- Asian *Magnolia denudata* provides
 - Large flower size and form
 - Flowering before leaves bud out
- *Magnolia* × *soulangiana* also sometimes used in breeding
- Must be budded or grafted so are less available





Gold Cup - Yellow Lantern - Ivory Chalice - Legend



Sundance-Golden Endeavor-Butterflies-Yellow Fever



Yellow Lantern



Sun-sation



Golden Endeavor



Solar Flair



Gold Cup



Ivory Chalice



Gold Star

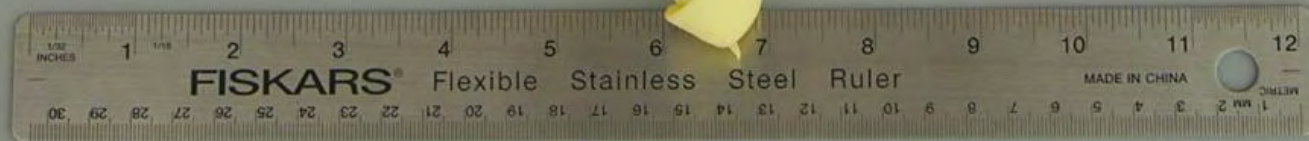


Hot Flash

Maxine Merrill



Golden Sun





Butterflies



Butterflies



Butterflies



Butterflies



Golden Sun



Golden Sun



Hot
Flash



Golden Gift



Lois



Judy
Zuk





**New, Up-and-Coming
Selections to
get Excited
about!**

Evergreen Shrub Magnolia

Magnolia laevifolia



- 6 – 12 ft. tall and up to 6+ ft. wide; Zones (7) 8 - 10
- White flowers 2 – 3 in. wide



Magnolia laevifolia
'Michelle'



Magnolia laevifolia
'Gail's Favorite'



Pink and Purple Banana-shrub

Magnolia figo var. crassipes



- 6 – 12 ft. tall and wide and sometimes up to 20 ft. tall
- Flowers 2-in. cup-shaped, pink
- Not as fragrant as the “regular”
- Zones (7) 8 - 11



Magnolia figo var. *crassipes*
'Purple Queen' - 'Royal Robes'



'Stellar Ruby'





Red Lotus Tree

Magnolia insignis

- Up to 20 ft. tall and 18 ft. wide in cultivation; Zones 7 - 10
- White, pink or red flowers in late spring and summer





Dick Figlar



Magnolia insignis
'Anita Figlar'





*Magnolia
'Melissa
Parris'*

Hybrid Pink-flowered Evergreen Magnolias

Patent Pending USPTO #14/999,608
Asexual Propagation Strictly Prohibited



Magnolia (yuyuanensis × insignis)



'Katie-O Early'

M. insignis
×
M. virginiana



**'Oyama
Rose'**

*Magnolia
sieboldii*

×

*Magnolia
insignis*



American
Breeder:

Kevin Parris



*Magnolia
'Melissa
Parris'*

Patent Pending USPTO #14/999,608
Asexual Propagation Strictly Prohibited



Magnolia
'Melissa
Parris'

M. (tripetala
x (tripetala x
obovata)

x

M. insignis



'Melissa Parris'



Magnolia
'Melissa
Parris'

M. (tripetala
x (tripetala x
obovata)

x

M. insignis



New Unnamed Hybrids



Orange flowers!

*M. (foveolata ×
laevifolia)*

×

M. crassipes





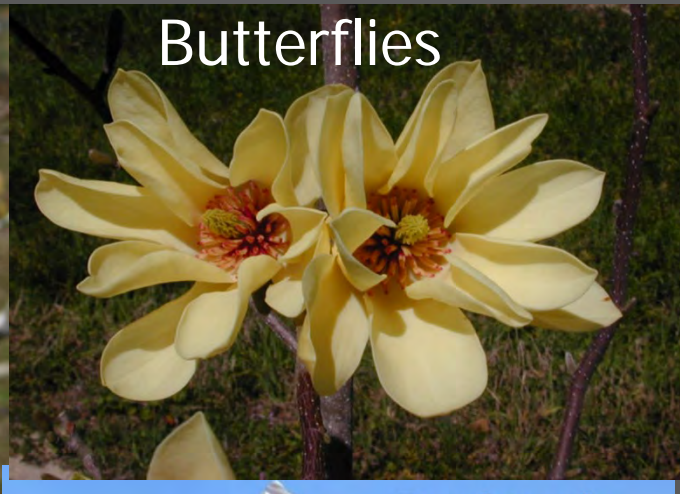
Ann



Gold Crown



Liliputian



Butterflies



Jon Jon



Ashe Magnolia



Daybreak



Sweetbay





Magnolia Society International

- www.magnoliasociety.org
- 600+ members in 45 countries, including China
- Our mission is to promote conservation and cultivation of magnolias

The screenshot shows the website's header with the logo, a search bar, and navigation links: 'who we are', 'resources', 'members', 'join us', and 'contact us'. The main content area features a large banner for the 'Magnolia Society International 2018 Annual Meeting' in Raleigh, North Carolina, from March 23-25, 2018. Below the banner, there is a registration notice: 'Registration for the 2018 MSI Annual Meeting is now open. The meeting will be held in Raleigh, NC from March 23-25. Register early for the best price. Early registration deadline is January 5, 2018. Final registration deadline is February 9, 2018. Hope to see you all in North Carolina! For more info, [click here.](#)' To the right, there are sections for 'UPCOMING MEETINGS OF INTEREST' (repeating the meeting info), 'LEARN ABOUT MAGNOLIAS' (with a link to 'magnolia resources online' and 'Magnolia FAQs >'), and a 'MEMBER SPOTLIGHT' for Marcela Serna, including a photo and a bio: 'Meet Marcela and see what draws her to the world of magnolias, including one of her favorites - *Magnolia katiorum.*' At the bottom right, there is a 'RENEW YOUR MEMBERSHIP >' button.



New Developments in the World of Magnolias

