

September 2018

Volume 31, Issue 3



LOUISIANA NATIVE PLANT SOCIETY



Sneak Peek (Tentative Speakers) of the Louisiana Native Plant Society Meeting for February 1-3, 2019

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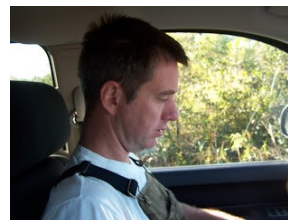
- To preserve and study native plants and their habitats
- To educate people on the value of native plants and the need to preserve and protect rare and endangered species
- To promote the propagation and use of native plants in the landscape
- To educate people on the relationship between our native flora and wildlife



Charles Allen is a retired professor of Botany from ULM and retired Botanist from Colorado State University's Center for Environmental Management of Military Lands at Ft Polk. He is a charter member of the Louisiana Native Plant Society and a past President. He is the coauthor of four books on the Flora of Louisiana and has published a number of articles in Professional journals. He and his wife Susan own and operate Allen Acres Natural Area with a B and B in west Central Louisiana.

Matt Conn grew up traveling born in McAlester Oklahoma /

summers alternated in Tennessee & Oklahoma. Periodically Texas, Arkansas, Missouri, Mississippi, Colorado, New Mexico, Utah, Alaska. He graduated from Carencro High School in 1994. From 1994-1998, he was Active Duty



Army/Airborne (1 year Central America). And from 1998-2015, he was Army National Guard (2 ½ years middle east operations) with multiple hurricane deployments. He retired from the services. He attended USL/ULL from 1999-2014 where he received his B.S. in Environmental Sustainability/Renewable Resources. He

worked at the Acadiana Park Nature Station part time during college as a Naturalist from 1999-2004 and at the IRA Nelson Horticulture Center (part time) from 1999-2004. He also did part time work in the Atchafalaya Basin with Author/Photographer Greg Guirard or 8 years beginning in 1999. Beginning in 2005, he was Scientist-Manager-Supervisor of Ecological Dept. at FUGRO/John Chance Land Survey Inc. until 2014. Afterwards, he became Partner/Director of Operations at SEG Environmental LLC where he still works today. He provides ecological consulting and permitting for wetland impacts and mitigation & restoration projects, monitors restoration projects including brackish marsh, Bottomland Hardwoods, Cypress Swamp, and Longleaf Pine Savanna habitat,

NOTE FROM THE PRESIDENT: New book, just available, on volunteerism in the Cajun Prairie Society by Society Co-founder, Malcolm F. Vidrine. You can preview the entire book at this site link, <http://www.blurb.com/b/8916677-the-cajun-prairie-restoration-project-in-eunice-lo>



Phyllis Baudoin Griffard



Chloe Lewis



John Mayronne



Paul Pastorek

and performs endangered species surveys including coastal shorebird surveys (for CPRA). He currently has three children, ages 5, 7, and 12. In his spare time, he has restored 67.5 acres of personal property/wetlands in Acadiana (planted 15k+ trees) and Prairie habitat. He likes to hunt/fish, scuba (spearfishing), surfing, but above all in recent years birding.

Phyllis Baudoin Griffard is a biology educator on the faculty at the University of Louisiana at Lafayette. She currently serves as President of the Acadiana Native Plant Project, a nonprofit organization whose mission is to promote the use of native plants in our landscape. These roles converge in her passion for helping others recognize the plants, animals and biological processes in their own lives and their responsibility as stewards of our post-wild world. Pete and Phyllis Griffard are stewards of 7 acres of certified wildlife habitat in Sunset LA.

Chloe Lewis is a senior at Louisiana State University of Alexandria (LSUA), working to obtain a bachelor's degree in both Biology and Chemistry. Ultimately, her goal is to conduct research in the field of Molecular Plant Science and teach in a university setting

after obtaining her PhD. In addition to taking a full course load, Chloe has worked as a Supplemental Instructor and Tutor for LSUA since 2016, helping many other students succeed in their academic prospects. In the summer of 2018, she interned in the Horticulture Department of the Idaho Botanical Gardens in Boise, Idaho. Chloe has conducted research in a variety of fields at LSUA and University of Mississippi Medical Center (UMMC), including topics in Analytical Chemistry, Biochemistry, and Plant Ecology

John Mayronne is a resident of Covington, John is president / owner of John Mayronne and Associates, a Landscape Architectural Design/build company. He has been active with native plant organizations since graduating in Landscape Architecture in 1978 and was owner of Natives Nurseries from the early 1980's until the late 1990's as well as president of Natives Landscape Corporation for 20 yrs. plus. His work has been published in periodicals and a couple of books. He has been an active member of LNPS since shortly after it's organization. Several native plants have been introduced into the nursery industry by John, including *Helianthus angustifolia* 'Mellow Yellow'

and the white flowered Salt Marsh Mallow named 'Immaculate'

Paul Pastorek is a lawyer, but presently works in K-12 education and in his spare time enjoys his family, especially his three grandchildren. He has long been interested in native plants from all over the country. He has focused more recently on native Louisiana iris of all kinds particularly for preserving native irises in their wild environment.

Paul has a very special interest in the Abbeville Swamp and the preservation of the rare irises that grow only there. He has made a number of trips to the swamp and nearby areas over each of the past several years, studying specimens, the environment and taking many pictures for presentations to interested groups.

Paul is active in the Greater New Orleans Iris Society and Society for Louisiana Iris and serves as a board member in both organizations. He is a steward for the "Louisiana Iris Species Preservation Project." He has been busy building a new pond for display of his rare preservation specimens, working with other native garden plants in his garden, as well as keeping a heavy work schedule.



Clematis of Louisiana by Dr. Charles Allen

The genus *Clematis* (leather flower, virgin's-bower) includes mostly native herbaceous to slightly woody perennial vine species in the Ranunculaceae (Dicot). The leaves are opposite and pinnately compound. The inflorescences are axillary and a solitary flower or cyme. The flowers are perfect and regular with four petaloid sepals, no petals, and numerous stamens. The ovary is superior and numerous brown flat achenes develop from the carpels. There are two major groups of species; one group including *C. crispa*, *C. glaucophylla*, and *C. reticulata* produce a single flower while the others including *C. catesbyana*, *C. terniflora*, and *C. virginiana* produce many flowers in a cyme. Five of the species are native with only *C. ternifolia* introduced from Japan. Note: there are a number of cultivated species and forms of *Clematis* with one species *Clematis* x *jackmanii* perhaps escaping and is reported from nine parishes across the state. Note: info and images from Allen, Wilson and Winters 'Louisiana Wildflower Guide' and info also from Allen, Newman, and Winters "Trees, Shrubs, and Woody Vines of Louisiana". Other images from the internet.

A. Flowers white, numerous in a somewhat flat cyme; filaments glabrous.....B

A. Flowers pink to blue or purple, solitary; filaments pubescent.....D

B(A). Flowers perfect,

with 5-10 carpels; anthers 1.5-3 mm long; leaf margins entire (rarely Somewhat lobed).....5. *C. terniflora*

B. Flowers mostly imperfect, with more than 15 carpels; anthers 1 mm or shorter; leaf margins coarsely toothed.....C

C(B). Leaflets 5-7; carpels 18-351. *C. catesbyana*

C. Leaflets three; carpels 40 or more 6. *C. virginiana*

D(A). Flowers without bracts.....2. *C. crispa*

D. Flowers with two bracts present.....E

E(D). Leaves leathery; veins distinctly reticulate veined.....4. *C. reticulata*

E. Leaves membranous; veins not reticulate veined.....3. *C. glaucophylla*

1. *Clematis catesbyana*

Pursh (Coastal Virgin's-bower, Satin-curls) syn = *C. ligusticifolia* Nutt. Ex T and G. Similar to *C. virginiana* but with 5-7 leaflets, 18-35 carpels, and darker achenes that are reddish brown to dark purplish black. Reported only from St. Helena and West Feliciana parishes but additional records may be out there and filed away under *C. virginiana*. Someone should examine all the *Clematis* specimens in the state. Wetland ranking FAC

2. *Clematis crispa* L. (Swamp leatherflower, Marsh Clematis, Southern Leatherflower, Blue

Jasmine) The leaves have 3-5 linear to ovate leaflets that are cuneate to truncate at the base and acute to obtuse apically. The margins are entire and revolute, sometimes lobed. It produces single pink, lavender, or blue (rarely white) flowers without a bract. The filaments are pubescent. A common species of the Mississippi River floodplain and other hardwood forest areas throughout the state. It has a long flowering time from March to October. Reported from 59 parishes and missing from Beauregard, Bienville, Evangeline, Plaquemines, and St. Charles parishes. Wetland ranking FACW

3. *Clematis glaucophylla*

Small (whiteleaf leatherflower, glaucous leatherflower) The leaves have 2-5 ovate, entire leaflets that are usually cordate at the base. The lower surface is grayish white when young, hence the name *glaucophylla*, but becoming green with age. The flowers are solitary and rose purple on the outside and white inside. Two bracts subtend each flower. Filaments pubescent. Rare in Louisiana with the only report from Copenhagen Prairie in Caldwell Parish. Wetland ranking FAC

4.. *Clematis reticulata*

(netleaf leatherflower, netleaf clematis) The leaves have 3-9 ovate to elliptic, leathery, leaflets that are usually cuneate at the base and obtuse apically. The veins are distinctly reticulate and the margins are revo-



Clematis catesbyana (Craig Fraiser)



Clematis crispa (Jeff McMillan)



Clematis glaucophylla (John Beck)



Clematis reticulata (Jeff McMillan)



Clematis terniflora (Jeff McMillian)



Clematis virginiana (Malcolm Manners)

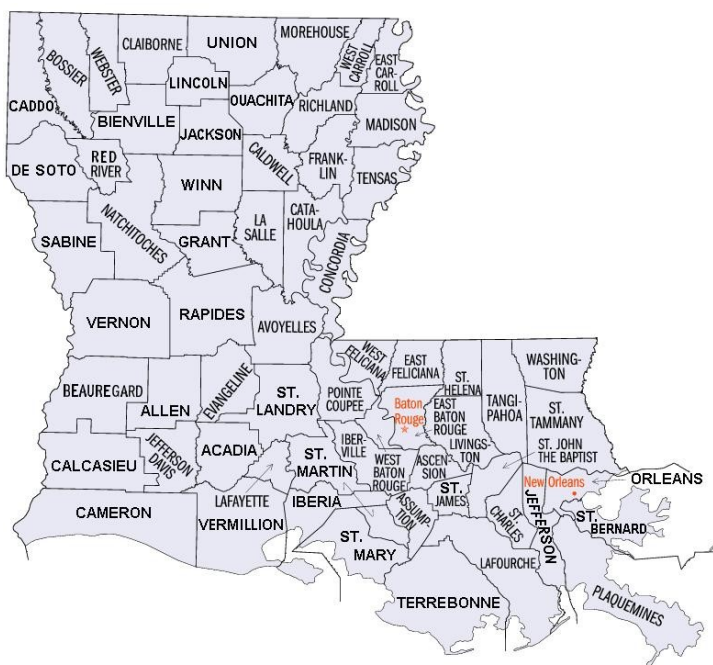
lute, frequently lobed. The flowers are solitary and bluish with two bracts. Filaments pubescent. Infrequent in west and northwest Louisiana on well drained, often sandy soils with reports from eight parishes in west and northwest Louisiana; Bienville, Bossier, Caddo, De Soto, Natchitoches, Rapides, Sabine, and Vernon. No wetland ranking.

5. *Clematis terniflora* DC (Japanese virginsbower, sweet autumn virginsbower) Synonyms include *Clematis dioscoreifolia*, *Clematis maximowicziana*, and *Clematis paniculata*. This is a non-native introduced from Japan and Korea. The leaves have 3-5 ovate to elliptic leaflets that are entire to lobed. The base of the leaflets is subcordate or rounded and the apex acuminate to acute. The flowers are white, perfect, and in large clusters. The anthers are 1.5-3 mm long with glabrous filaments. The achenes are brown and obovoid. It is reported from 35 parishes; Acadia, Allen,

Avoyelles, Bienville, Bossier, Caddo, Calcasieu, Caldwell, Cameron, Claiborne, De Soto, East Baton Rouge, East Feliciana, Franklin, Lincoln, Livingston, Morehouse, Natchitoches, Orleans, Ouachita, St. Charles, St. Helena, St. Landry, St. Mary, St. Tammany, Tangipahoa, Tensas, Union, Vermilion, Vernon, Washington, West Baton Rouge, West Carroll, West Feliciana, and Winn. Wetland ranking = FACU.

6. *Clematis virginiana* L. (virginsbower, devil's darning needles, herbe, gueux) The leaves have three, rarely five, ovate leaflets that are serrate to lobed, rarely entire. The base of the leaflets is truncate to cordate and both surfaces are light green. The flowers are white and in large clusters. The anthers are 1 mm or shorter and filaments glabrous. The achenes are light to dark brown or greenish brown. Various medicinal uses are reported including a liniment once used

for skin eruptions and itching and a leaf tea used for insomnia, nervous headaches and uterine disease. There are also warnings that the plant can be toxic and highly irritating to the skin and ingestion may cause vomiting, diarrhea, and convulsions. Widespread across the state and reported from 51 parishes; Ascension, Assumption, Avoyelles, Bienville, Bossier, Caddo, Caldwell, Catahoula, Claiborne, De Soto, East Baton Rouge, East Carroll, East Feliciana, Evangeline, Franklin, Grant, Iberia, Jackson, Jefferson, Lafayette, Lafourche, LaSalle, Lincoln, Livingston, Madison, Morehouse, Natchitoches, Orleans, Ouachita, Plaquemines, Pointe Coupee, Rapides, Red River, Richland, Sabine, St. Charles, St. Helena, St. James, St. John the Baptist, St. Landry, St. Mary, St. Tammany, Terrebonne, Union, Vermilion, Vernon, Washington, Webster, West Carroll, West Feliciana, and Winn. Wetland ranking = FAC.



Fall 2018 Herb Society Plant Sale - Celebrate Herbs! Saturday September 29th - NOLA Herb Day at a New Location!

The Herb Society of America, New Orleans Unit will hold their 2018 Fall Plant Sale on Saturday September 29th, from 9 a.m. until 3:00 p.m. at the Southern Food and Beverage Museum (SoFAB)

1504 Oretha Castle Haley Blvd, New Orleans, LA 70113

Sip & Sashay on NOLA Herb Day: Sip herbal spa water while selecting culinary and ornamental herbs. Members of the Herb Society of America, New Orleans Unit will be on hand to help gardeners select plants. Let the experts help you choose herbs for your fall gardens or containers. Learn to grow, harvest & preserve herbs this season from the bounty of your herb garden. Accepting cash or checks.

Herbal Demo: Get Crafty With Herbal Beer Breads!

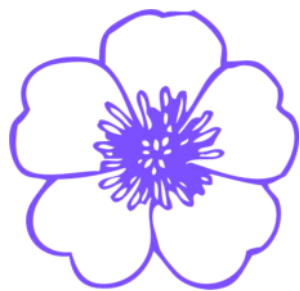
Learn to make a simple 3 ingredient bread with sassy herb combinations.

Demo/presentation to be held at approximately 10:45 a.m.

The sale will benefit projects of the New Orleans Botanical Gardens, Longue Vue Gardens, the Herb Society of America, New Orleans Unit's educational programs and other local gardening initiatives. For further information contact our unit chair Linda Franzo at lindafranzo57@gmail.com or (985) 781-4372; or email the unit at herbsno@gmail.com

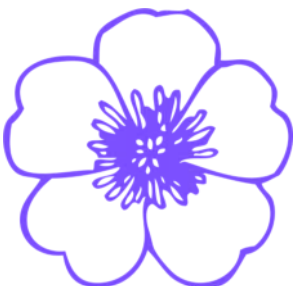
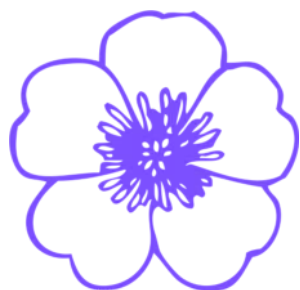
Be sure to "like" us on Facebook at Herb Society of America-New Orleans Unit.



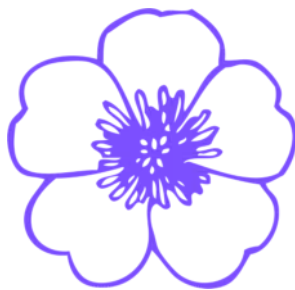
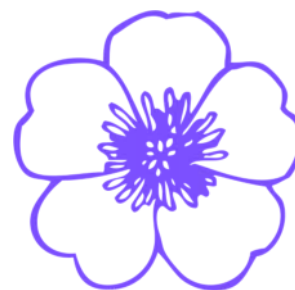
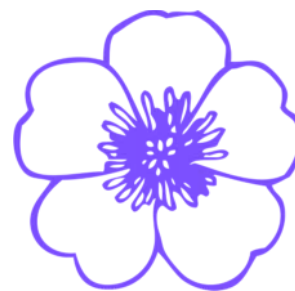


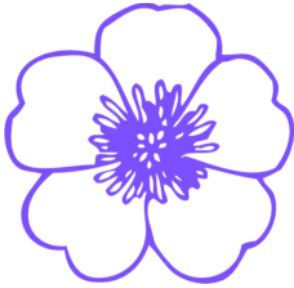
Trivia - What are the Native Plant Families Found in Louisiana? by Dawn McMillian

Acanthaceae - Acanthus family	Bignoniaceae - Trumpet- creeper family	Clethraceae - Clethra family
Aceraceae - Maple family	Blechnaceae - Chain Fern fam- ily	Clusiaceae - Mangosteen family
Acoraceae - Calamus family	Boraginaceae - Borage family	Commelinaceae - Spiderwort family
Agavaceae - Century-plant family	Brassicaceae - Mustard family	Convolvulaceae - Morning- glory family
Aizoaceae - Fig-marigold fami- ly	Bromeliaceae - Bromeliad fam- ily	Cornaceae - Dogwood family
Alismataceae - Water-plantain family	Buddlejaceae - Butterfly-bush family	Crassulaceae - Stonecrop fami- ly
Amaranthaceae - Amaranth family	Burmanniaceae - Burmannia family	Cucurbitaceae - Cucumber family
Anacardiaceae - Sumac family	Buxaceae - Boxwood family	Cupressaceae - Cypress family
Annonaceae - Custard-apple family	Cabombaceae - Water-shield family	Cuscutaceae - Dodder family
Apiaceae - Carrot family	Cactaceae - Cactus family	Cymodoceaceae - Manatee- grass family
Apocynaceae - Dogbane family	Callitrichaceae - Water- starwort family	Cyperaceae - Sedge family
Aquifoliaceae - Holly family	Calycanthaceae - Strawberry- shrub family	Cyrtaceae - Cyrtilla family
Araceae - Arum family	Campanulaceae - Bellflower family	Dennstaedtiaceae - Bracken Fern family
Araliaceae - Ginseng family	Cannaceae - Canna family	Dioscoreaceae - Yam family
Arecaceae - Palm family	Capparaceae - Caper family	Droseraceae - Sundew family
Aristolochiaceae - Birthwort family	Caprifoliaceae - Honeysuckle family	Dryopteridaceae - Wood Fern family
Asclepiadaceae - Milkweed family	Caryophyllaceae - Pink family	Ebenaceae - Ebony family
Aspleniaceae - Spleenwort family	Celastraceae - Bittersweet fami- ly	Elaeagnaceae - Oleaster family
Asteraceae - Aster family	Ceratophyllaceae - Hornwort family	Elatinaceae - Waterwort family
Azollaceae - Azolla family	Chenopodiaceae - Goosefoot family	Equisetaceae - Horsetail family
Balsaminaceae - Touch-me-not family	Chrysobalanaceae - Cocoa- plum family	Ericaceae - Heath family
Basellaceae - Basella family	Cistaceae - Rock-rose family	Eriocaulaceae - Pipewort fami- ly
Bataceae - Saltwort family		Euphorbiaceae - Spurge family
Berberidaceae - Barberry fami- ly		Fabaceae - Pea family
Betulaceae - Birch family		Fagaceae - Beech family
		Fumariaceae - Fumitory family



Loganiaceae - Logania family	Gentianaceae - Gentian family	rose family
Lycopodiaceae - Club-moss family	Geraniaceae - Geranium family	Ophioglossaceae - Adder's-tongue family
Lygodiaceae - Climbing Fern family	Goodeniaceae - Goodenia family	Orchidaceae - Orchid family
Lythraceae - Loosestrife family	Grossulariaceae - Currant family	Orobanchaceae - Broom-rape family
Magnoliaceae - Magnolia family	Haemodoraceae - Bloodwort family	Osmundaceae - Royal Fern family
Malvaceae - Mallow family	Haloragaceae - Water Milfoil family	Oxalidaceae - Wood-Sorrel family
Marantaceae - Prayer-Plant family	Hamamelidaceae - Witch-hazel family	Papaveraceae - Poppy family
Marsileaceae - Water-clover family	Hippocastanaceae - Horse-chestnut family	Parkeriaceae - Water Fern family
Mayacaceae - Mayaca family	Hydrangeaceae - Hydrangea family	Passifloraceae - Passion-flower family
Melastomataceae - Melastome family	Hydrocharitaceae - Tape-grass family	Pedaliaceae - Sesame family
Menispermaceae - Moonseed family	Hydrophyllaceae - Waterleaf family	Phytolaccaceae - Pokeweed family
Menyanthaceae - Buckbean family	Hymenophyllaceae - Filmy Fern family	Pinaceae - Pine family
Molluginaceae - Carpet-weed family	Illiciaceae - Star-anise family	Piperaceae - Pepper family
Monotropaceae - Indian Pipe family	Iridaceae - Iris family	Plantaginaceae - Plantain family
Moraceae - Mulberry family	Isoetaceae - Quillwort family	Platanaceae - Plane-tree family
Myricaceae - Bayberry family	Juglandaceae - Walnut family	Plumbaginaceae - Leadwort family
Myrsinaceae - Myrsine family	Juncaceae - Rush family	Poaceae - Grass family
Myrtaceae - Myrtle family	Juncaginaceae - Arrow-grass family	Podostemaceae - River-weed family
Najadaceae - Water-nymph family	Lamiaceae - Mint family	Polemoniaceae - Phlox family
Nelumbonaceae - Lotus-lily family	Lauraceae - Laurel family	Polygalaceae - Milkwort family
Nyctaginaceae - Four o'clock family	Lemnaceae - Duckweed family	Polygonaceae - Buckwheat family
Nymphaeaceae - Water-lily family	Lentibulariaceae - Bladderwort family	Polypodiaceae - Polypody family
Oleaceae - Olive family	Liliaceae - Lily family	Pontederiaceae - Water-Hyacinth family
Onagraceae - Evening Prim-	Limnanthaceae - Meadow-Foam family	Portulacaceae - Purslane family
	Linaceae - Flax family	Potamogetonaceae - Pondweed





family

Primulaceae - Primrose family

Psilotaceae - Whisk-fern family

Pteridaceae - Maidenhair Fern family

Ranunculaceae - Buttercup family

Rhamnaceae - Buckthorn family

Rosaceae - Rose family

Rubiaceae - Madder family

Ruppiaceae - Ditch-grass family

Rutaceae - Rue family

Salicaceae - Willow family

Sapindaceae - Soapberry family

Sapotaceae - Sapodilla family

Sarraceniaceae - Pitcher-plant family

Saururaceae - Lizard's-tail family

Saxifragaceae - Saxifrage family

Schisandraceae - Schisandra family

Scrophulariaceae - Figwort family

Selaginellaceae - Spike-moss family

Smilacaceae - Catbrier family

Solanaceae - Potato family

Sparganiaceae - Bur-reed family

Staphyleaceae - Bladdernut family

Stemonaceae - Stemona family

Sterculiaceae - Cacao family

Styracaceae - Storax family

Symplocaceae - Sweetleaf family

Theaceae - Tea family

Thelypteridaceae - Marsh Fern family

Thymelaeaceae - Mezereum family

Tiliaceae - Linden family

Typhaceae - Cat-tail family

Ulmaceae - Elm family

Urticaceae - Nettle family

Valerianaceae - Valerian family

Verbenaceae - Verbena family

Violaceae - Violet family

Viscaceae - Christmas Mistletoe family

Vitaceae - Grape family

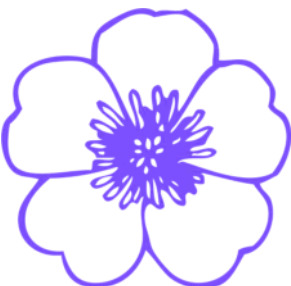
Vittariaceae - Shoestring Fern family

Xyridaceae - Yellow-eyed Grass family

Zannichelliaceae - Horned pondweed family

Zygophyllaceae - Creosote-bush family

**Don't forget the
Louisiana Native Plant
Society Meeting on
February 1-3, 2019!!!**



History Page - Articles that were printed in *Sida, Contributions to Botany* and *Journal of the Botanical Research Institute of Texas* that Pertain to Louisiana by Dawn McMillian

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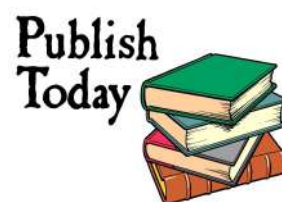
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September 2018

Volume 31, Issue 3
Addendum



LOUISIANA NATIVE PLANT SOCIETY



Sneak Peek (Tentative Speakers) of the Louisiana Native Plant Society Meeting for February 1-3, 2019



Lawrence Rozas is a presently enjoying retirement. He retired from federal service in the fall

of 2017, after 25 years with the NOAA Fisheries Service. As a NOAA scientist, his primary research interests were identifying the habitat requirements of estuarine-dependent fishery species, understanding how to successfully restore coastal habitats, and assessing the habitat function of coastal wetlands. He conducted research on wetland topics for over 30 years and has over 60 scientific publications. He holds a Ph.D. in Environmental Sciences from the University of Virgin-

ia, a M.S. degree in Marine Biology from the University of North Carolina at Wilmington, and a B.S. degree in Wildlife Management from the University of Southwestern Louisiana. Lawrence loves working with native plants, and over the past 15 years, he has been landscaping his own residence garden, which is located north of Lafayette, Louisiana. He also is learning more about landscaping with native plants as an active member of the Acadiana Native Plant Project.

- To preserve and study native plants and their habitats
- To educate people on the value of native plants and the need to preserve and protect rare and endangered species
- To promote the propagation and use of native plants in the landscape
- To educate people on the relationship between our native flora and wildlife