



# Chapter News

## A MESSAGE FROM PRESIDENT DAVE

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The Texas Master Naturalist program is coordinated by the Texas A&M AgriLife Extension Service and the Texas Parks and Wildlife Department.

Texas Master Naturalist programs serve all people without regard to socioeconomic level, race, color, sex, disability, religion, age, or national origin.

Well, the holiday season is almost upon us. I can't believe it's here so quickly. I can remember when I was a kid (physically). Beginning this time of year I started contemplating Christmas and it seemed years before it actually arrived. Now it's only a blink away. The kid in me still looks forward to this time of year, and the adult in me looks forward to another "Hog Wild."

Folks have been telling me they once again had great times assisting USFWS at their urban initiatives in Houston this month. Thank you all for helping. I just have to believe these have a tremendous impact on kids and their families in the urban jungle.

I've been having wonderful experiences with the USFWS DEEP program and with tours at Sea Center Texas. I always have fun bringing nature to kids, especially in family settings like Sea Center Texas on Saturdays. Recently I also had a very rewarding experience with about 20 biology teachers from some Houston STEM programs at intermediate and high schools. They were excited and so was I.

Coming up this month is the beginning of our election cycle for COT officers Mike Mullins and his nominating committee will present some candidates to you at our monthly meeting for your consideration. The election will occur at our December meeting, where we will also accept any last minute nominations from the floor. If you wish to nominate someone please be sure to talk to them first to ensure they are willing to serve.

And you all know what happens when we adjourn the December meeting? No, we don't tar and feather anyone and run them out of town. Instead, we head to Lake Jackson for "Hog Wild Holiday Feast." If you have not experienced this year-end event, be sure to put it on your calendar. Ed Barrios and his highly paid crew will be telling you more about this as it gets closer.

Check out our AT for this month. It's something different. Hope to see all of you at our meeting.

—Dave

Dave Brandes is the President of the Cradle of Texas Chapter. Contact him at [brandes@tmn-cot.org](mailto:brandes@tmn-cot.org)



KBR Kids Day 2015. See photos on Page 10.

Image: BBP

**Texas Master Naturalist Program  
Cradle of Texas Chapter  
General Meeting and Advanced Training  
Wednesday, November 11, 2015  
Texas AgriLife Extension Building  
21017 County Road 171  
Angleton, Texas 77515-8903**



<b>8:30 AM - 9:00 AM</b>	<b>Fun and Fellowship</b> Refreshment Team: Ann Lange, Jean Britt, Jane Eppner, Jerry Eppner
<b>9:00 AM - 9:50 AM</b>	<b>General Meeting</b> <i>This meeting is approved for 1.00 hour Volunteer Time.</i>
<b>10:00 AM – 12:00 PM</b>	<b>Program: Restoring 1836: Challenges and Achievements”</b> <b>Speaker:</b> Boyd R. Harris Lead Interpreter, San Jacinto Battleground State Historic Site <i>This training is approved for Advanced Training. The number of approved hours will be announced at the meeting and will be available after the meeting at <a href="http://tmn-cot.org/Advanced/index.html">http://tmn-cot.org/Advanced/index.html</a></i>



Boyd Harris hails from the foothills of North Carolina. He graduated from the University of North Carolina at Chapel Hill in 2000, where he received his B.A. in History/Peace, War, and Defense. He received his M.A. in History from the University of North Carolina at Charlotte in 2010 and is finishing up his PhD in History from the University of Mississippi. His dissertation is titled *The Spectre of Savagery: Race and Commemoration at Civil War State Parks*.

Boyd is trained in 19th. and 20th Century. U.S. history and specializes in Civil War memory, commemoration and public history. As the Lead Interpreter at San Jacinto Battleground State Historic Site he is charged with creating historical and natural programming for visitors, leading tours of the battlefield, and conducting research on Texas History from 1830-1860.

### ABSTRACT

The battle of San Jacinto is best known as the site where Texas gained its independence from Mexico, with the defeat of the Mexican army and the capture of General Santa Anna.

The location of the battle, at the junction of the San Jacinto River and Buffalo Bayou, is also an important slice of Texas' natural heritage. The topography and vegetation of the area played an important role in allowing the Texians to surprise and defeat the Mexican forces in 1836.

Today, Texas Parks and Wildlife Department continues to interpret and protect the battlefield from the surrounding encroachment of urban and industrial areas. Part of this mission includes the restoration of the battlefield park to its 1836 appearance. Working alongside Texas Master Naturalists, the Interpretation staff at San Jacinto is planning a variety of historical and natural programming for the public in the upcoming years.



**San Jacinto Monument at San Jacinto Battleground State Historic Site**  
Photo: TPWD

## MEMBERSHIP REPORT

By Jerry Eppner, Membership Coordinator

During October, forty nine COT members have reported volunteer time and advanced training totaling 831 hours. of VT and 122 hours. of AT. Our chapter's historical data (Individual VT and AT by year) has also been successfully downloaded into the Volunteer Management System. Combining the historical hours with the VMS electronic entries shows COT has accumulated 13747 hours. VT and 1520 hours. AT in 2015. So we are firmly in the age of VMS, and our legacy timesheet system is falling behind.

Of a little concern is the fact that when we transitioned to VMS we had 98 timesheets submitted under the old system. So if only 49 members reported time in VMS, that means 49

of you have not taken the plunge yet. That is OK you have time, but I cannot overstate that VMS will not accept VT or AT hours. older than 45 days. So at this point, any hours of VT or AT earned before mid-September are falling out of the window for reporting. IF YOU HAVE NOT STARTED USING VMS, NOW IS THE TIME! As always, the transition team is more than willing to provide guidance and assistance to help get you started.

We will be recognizing recertification and hour milestones at the November meeting, but your friendly yet persistent timekeeper needs to learn how to navigate that part of VMS. Trust me it will happen.

## BRAZOS BEND STATE PARK BUTTERFLY CENSUS FINAL REPORT

By Rich Jesperson, Leader

**NEEDVILLE, TEXAS** — October 4, 2015. Volunteers from the Cradle of Texas Chapter at Brazos Bend State Park today for the 20th annual Butterfly Census at Brazos Bend State Park. This citizen science project is one of several annual butterfly counts in the Houston area (and many more nationwide).

A sunny day with mild temperatures in a park bursting with nectar-rich wildflowers resulted in a record-setting butterfly count. The first record fell even before we began, when 65 enthusiastic observers arrived. The previous record of 46 observers was set just last year, beating the old record of 33. There were Brazos Bend Volunteers, Master Naturalists, Girl Scouts, families with children and other enthusiasts. About 25 were newcomers.

The flooding of 60 percent of the Park in June did not seem to diminish butterfly numbers, but 6 weeks of drought in July and August may be the cause of small numbers in the prairies that were not reached by the flood.

We divided into seven parties and searched varied habitats within the park. By lunch time 38 species had been recorded. Most remarkable was the first-ever sighting at Brazos Bend of Eastern Tailed-Blue, which becomes the 101st species on the Park Checklist. It was seen in three different locations. Several observers scouted other areas in the afternoon, finding four additional species.

A remarkable 317 Phuong Crescents far exceeded its previous high of 28 on our ten fall counts. Two similar eruptions of Phuong Crescents were recorded in earlier June counts. Other species seen in record numbers for fall counts were Pearl Crescent, Tropical Checkered-Skipper and Little Glassy wing, which has been seen only in the fall. Notable for its absence was the White-striped Long tail, which was missed for just the second time since its first appearance in 1999.

SWALLOWTAILS		BRUSHFOOTS		SKIPPERS	
1	Black Swallowtail	1	American Snout	3	Long-tailed Skipper
1	Giant Swallowtail	89	Gulf Fritillary	6	Horace's Duskywing
		3	Variegated Fritillary	1	Funereal Duskywing
WHITES & SULPHURS		317	Phaon Crescent	33	Common Checkered-skipper
2	Clouded Sulphur	83	Pearl Crescent	83	Tropical Checkered-skipper
1	Orange Sulphur	1	Crescent species	9	Checkered-skipper species
21	Cloudless Sulphur	1	Question Mark	28	Clouded Skipper
164	Little Yellow	8	Red Admiral	3	Least Skipper
1	Dainty sulphur	24	Common Buckeye	7	Southern Skipperling
		4	Viceroy	11	Fiery Skipper
HAIRSTREAKS		20	Hackberry Emperor	1	Whirlabout
27	Gray Hairstreak	13	Tawny Emperor	3	Southern Broken-Dash
3	Red-banded Hairstreak	2	Emperor species	12	Little Glassywing
21	Dusky-blue Groundstreak	1	Gemmed Satyr	3	Broad-winged Skipper
		106	Carolina Satyr	11	Dun Skipper
BLUES		12	Satyr Species	2	Ocola Skipper
2	Ceraunus Blue	6	Monarch	8	Skipper species
4	Eastern Tailed-Blue	13	Queen	5	unknown butterfly

**Total 1181 individuals / 42 species**

## AUDUBON CHRISTMAS BIRD COUNTS 2015-2016



*Editor's note: This page is a reprint of an article originally published in the November 2013 issue of Chapter News. We reprint it here in anticipation of the 2015-16 Christmas Bird Count,*

The 116th annual Christmas Bird Count is scheduled for December 14, 2015 to January 5, 2016. Organized by the National Audubon Society, this all-volunteer effort takes a snapshot of bird populations to monitor their status and distribution across the Western Hemisphere. The results are compiled into a database that is shared with federal, state, and private authorities. Past data can be viewed at the Audubon's website. Counts are open to birders of all skill levels. Novices are placed in groups with more experienced birders.

There is no fee to participate in Christmas Bird Counts! The annual CBC report will be an online publication and National Audubon will rely on donations for funding.

— Houston Audubon

### Some introductory words

by Tom Morris, David Plunkett, and Neal McLain

The Audubon Christmas Bird Counts is a North-, Central-, and South-American campaign to count as many birds and species within a fixed circle 15 miles in diameter. The first Christmas Count was in the Northeast in 1900 on Christmas Day.

Bird Counts were started to counter a popular "sport" of killing as many birds as one could on Christmas Day. The data from the counts are compiled in a database and results are printed annually and the raw data is available to researchers and amateurs. Population trends have been used to help protect species that show marked decreases.

A typical count day requires a lot of walking — two to three miles — and you are exposed to the elements a good part of the day. However, in case of bad weather such as rain, we resort to birding by car. In the evening we meet at a "countdown" for dinner and to tally results.

Good hiking shoes, hat, rain gear, repellent, layers, water, light snacks, and binoculars are the basics.

Less experienced birders are welcome to participate. If you wish to participate, please contact the Count Coordinator as soon as possible. Names of coordinators will be posted on the TMN-COT calendar when available. The coordinator will assign you to a specific group, and let you know where to meet your group on the morning of the count.

Every Bird Count is named for something — a city, a park, or some geographic feature — located inside the 15-mile-diameter circle. These names can sometimes be confusing. For example, the Brazoria Bird Count is named for the City of Brazoria, but it includes a much larger area. Similarly, the Freeport Bird Count is named for Freeport, but it also includes a larger area.

During these counts, we typically meet early in the morning, around 6:30 am and work in small groups with at least one knowledgeable birder in each group. Each group covers a specified territory in the morning, and usually covers another in the afternoon, with a break for lunch. Less-experienced birders thus have an opportunity learn from experienced colleagues.

### TMN-COT VOLUNTEERS PLEASE NOTE

**As of the date of this issue of Chapter News, the 2015-16 Bird Count Schedule has not been announced.** Detailed information will be posted on the TMN-COT calendar when available:

<http://tmn-cot.org/calendar/>

Christmas Bird counts are supported by the Houston Audubon and are accredited by the National Audubon Society. For a complete list of all Texas Bird Counts see the Houston Audubon website at:

<http://tinyurl.com/BirdsBirdsBirds>

Participation in any Audubon-accredited bird count is approved for volunteer service hours *provided that* you sign in and participate in the counting activity.

"Counting activity" includes all time spent in the field plus training meetings, travel among count sites (if any), lunch, the countdown, and your travel time to and from the meeting points.

#### VMS CODE:

**FR: Citizen Science/Field Surveys.**

# PEAS IN A POD IN BRAZORIA COUNTY

By Peggy Romfh, Photo Gallery Editor

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**S. vesicaria**  
Bagpod  
2-seeded beaked  
seed pod



Bagpod seen in Brazoria, September, 2015



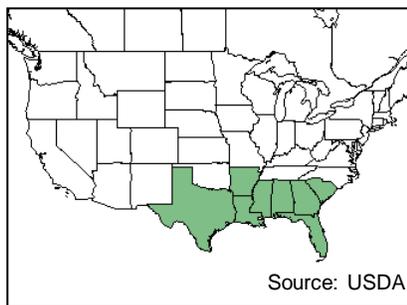
**S. herbacea**  
Bigpod Sesbania; Coffeebean  
6-8 inch long, narrow pods



**S. drummondii**  
Rattlebush  
Pods strongly 4-  
winged

Three native shrubs in the pea family have had a strong presence in the landscape this fall in disturbed areas, along marshy ditches, and in wet coastal prairies. Members of the Fabaceae (Pea Family), the genus *Sesbania* shrubs have long, pinnately compound leaves with 20-50 or more leaflets, pea-like flowers that differ in shades of yellow to reddish-orange, and very differently shaped seed pods.

Rattlebush, also known as Rattlebox and Poisonbean, is best known for the brown pods seen rattling in the breeze after the leaves fall off in winter. The seeds of both rattlebush and bagpod are poisonous to cattle and may cause death.



Source: USDA



The Sesbanias are native species. The range of rattlebush is shown in the map on the left. The brown, four-sided, four-winged seed pods of the rattlebush are shown on the right.

Bigpod Sesbania seeds are an important food source for quail, turkeys, mallards, pintails and other birds.

There is debate about the toxicity of the saponins in the *Sesbania* spp. Unlike the rattlebush, the bigpod is palatable to cattle and a good source of nutritional value. [Source: USDA]

## Texas Ebony (*Ebenopsis ebano*)



Texas Ebony drop their seeds in the fall, but the large, 4-6 inch, brown seed pods often remain on the trees until after the tree flowers the following spring.

Partridge pea seeds are eaten by songbirds and gamebirds. The plants provide cover for gamebirds and browse for deer. [Source: wildflowers.org]

## Partridge Pea (*Chamaecrista fasciculata*)



**Interesting Facts:** The border town of Los Ebanos, Texas, is named for the ebony tree that serves as an anchor for the last hand-pulled ferry across the Rio Grande. [Source: Texas A&M Forest Service]



[Photos by P&P Romfh]

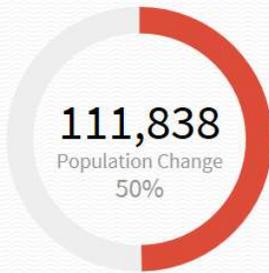
## LAND TRENDS FOR BRAZORIA COUNTY SHOW ONGOING RURAL LAND LOSS AND FRAGMENTATION

According to a story released by AgriLife Today (<http://today.agrilife.org>) the Texas A&M Institute of Renewable Natural Resources has recently added a new interactive Web tool to its Texas Land Trends website, <http://txlandtrends.org>, allowing users to access land-use information released in 2014.

The report describes key findings of changes in land use, ownership size and property values of rural working lands alongside population changes from 1997 to 2012. Texas Land Trends was developed in cooperation with Texas A&M AgriLife Research, Texas A&M AgriLife Extension Service and Texas Agricultural Land Trust. It was funded by the Meadows Foundation, Houston Endowment, Mitchell Foundation, Hershey Foundation and AgriLife Extension.

The **site is interactive**, and data may be compiled by county, river basin, ecoregion, or region of interest. Some of the Brazoria County and greater Houston data is shown below. [Source of all information and charts below is <http://txlandtrends.org>]

### From 1997 to 2012 in Brazoria County .....



The **population** of Brazoria County increased 50% from 224,910 to 336,748.

Acres			
Year	Cropland	Grazing Land	Wildlife Management
1997	141,722	362,573	33
2002	127,647	397,474	4,971
2007	110,832	393,763	8,590
2012	107,653	388,889	7,235
<b>Change</b>	<b>-34,069</b>	<b>26,316</b>	<b>7,202</b>

Above - A 24% decrease in cropland (34,069 acres) in Brazoria County was partially offset by an increase in grazing land and wildlife management acreage.

Left - the overall market value per acre increased 84%. Some types of land increased even more; for example, grazing land increased in value from \$1,064 to \$2,029 per acre.



**Fragmentation of land** resulted from an increase in ownership of small acreage plots (1 – 99 acres) from 42,365 to 59,721..

### So What Does the Data Mean for Brazoria County?

While providing no answers, the data clearly shows that the shrinking land base, fragmentation of land, and growing population raise questions as to how we secure and manage future energy, water, food, and ecosystems.

Existing as it does at the edge of an enormous metropolitan area, Brazoria County is key to continued availability of natural ecosystems that may be studied and enjoyed by all.

*[Report compiled by Peggy Romfh]*

### From 1997 to 2012 in the greater Houston area .....



The **population** of the greater Houston area increased 44% from 4.3 million to 6.2 million people.

Acres			
Year	Cropland	Grazing Land	Wildlife Management
1997	665,056	1,583,905	1,226
2002	552,391	1,613,712	11,468
2007	476,439	1,594,641	20,353
2012	433,648	1,581,555	25,180
<b>Change</b>	<b>-231,408</b>	<b>-2,350</b>	<b>23,954</b>

Above - The 35% decrease in cropland (231,408 acres) represents a significant change in land usage throughout the greater Houston area.

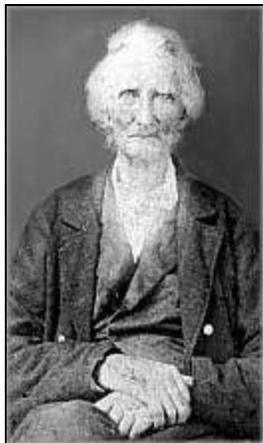
### In Texas

**More than 54 percent of total land conversion occurred in the state's 25 fastest growing counties. During this period (1997-2012), approximately 590,000 acres were lost from the agricultural land base in these counties.**

## LEVI JORDAN PLANTATION STATE HISTORIC SITE

By Neal McLain

Levi Jordan Plantation State Historic Site is located in southern Brazoria County, on present-day FM 521 road, between Brazoria and Sweeny.



*Historic photograph of Levi Jordan*

Photo: Public domain.

Levi Jordan (1793-1873) was born in Georgia and migrated to Texas in the 1840s. In the years before the Civil War he built one of the largest sugar and cotton plantations in Texas. Using slave labor he constructed a sugar mill, support facilities for the production of sugar and cotton, slave quarters, and a two-story frame house for himself and his family.

After the Civil War,

he employed many of his former slaves and their descendants as sharecroppers to work the fields. During the 1870s sugar production declined and cotton production grew.

After Jordan's death the property was subdivided among his descendants. In 2001 the property was acquired by the State of Texas and placed under the jurisdiction of the Texas Parks and Wildlife Department. Under TPWD the property was designated a State Historic Site

The Cradle of Texas Chapter established a partnership agreement with TPWD. In 2006 and 2007, members of the chapter conducted a series of five species surveys at the site. The final report of these surveys is available on the Chapter website at

<http://tinyurl.com/LJP-Survey>

In 2008 the Texas Legislature transferred several State Historic Sites, including Levi Jordan, to the Texas Historical Commission. At that point our partnership agreement terminated.

The Texas Historical Commission has invested heavily in the preservation and restoration of the site. In 2009-2010, a team of archaeologists from the University of Houston conducted a comprehensive archaeological survey of the main house. This effort was led by Dr. Kenneth L. Brown of the Department of Comparative Cultural Studies.

To facilitate the archaeological work the entire building was raised several feet above its original foundation. At the same time new



*Levi Jordan Plantation Home, November 2006*

Photo: Neal McLain



*Levi Jordan Plantation Home, November 2015*

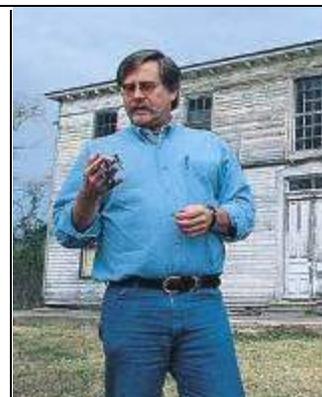
Photo: Neal McLain

### **Kenneth L. Brown, Principal Investigator**

Dr. Brown holds the rank of Professor in the Department of Comparative Cultural Studies at the University of Houston. He holds M.A. and Ph.D. degrees from Pennsylvania State University. His research interests include Archaeological Method and Theory, Historical Archaeological Method and Theory, African American Archaeology, Mesoamerican Archaeology and Ethnohistory, and Urban Archaeology.

Source: University of Houston

<http://www.uh.edu/class/ccs/people/kenneth-brown/>



## LEVI JORDAN PLANTATION STATE HISTORIC SITE *continued*

foundations were constructed for the building and for the two fireplace chimneys.

After the completion of the archaeological work the main house was lowered onto its new foundation, and restored to its original appearance. The site is now open to the public on Saturdays.

THC continues to invest in the restoration of the site. Archaeological investigations of the slave quarters are still in progress. Plans are now under way for the construction of a visitor center and an associated museum to display the thousands of artifacts recovered during the archaeological surveys.

Much of the capital funding for this work comes from the proceeds of a series of bond issues. As THC notes,

*The Seventy-Ninth (2005) and Eightieth (2007) Legislatures appropriated a combined \$43.8 million (\$43.0 million in General Obligation and Revenue Bond Proceeds and \$0.8 million in General Revenue Funds) to THC for capital projects at the historic sites. [1]*

THC has augmented the Levi Jordan staff by creating two full-time professional staff positions.

### Ashley Carter, Site Manager



Photo: THC

Carter joined the THC Historic Sites Division in March 2015. Prior to joining TCH worked at the Pro Football Hall of Fame in North Canton, Ohio where he was a Collections Specialist. He has also worked for the National Park Service Museum Resource Center the George Washington Memorial Park.

Carter notes that he “looks forward to working with the dedicated staff at the THC, This property is currently under development but it has a remarkable story to tell. I plan on working hand-in-hand with the community on enhancing the site and bringing its history to life for the enrichment of our visitors.”

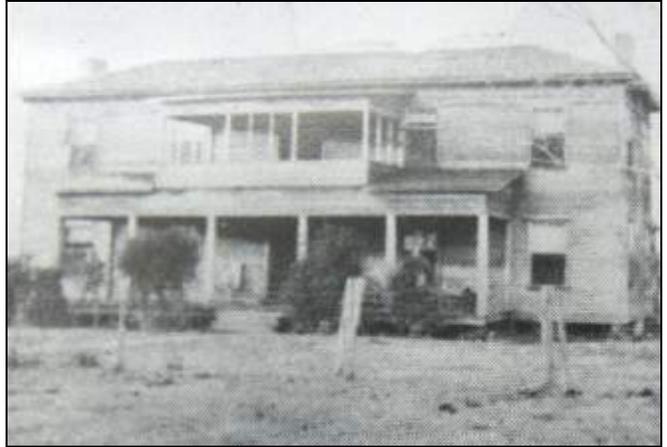
### Ben Pfeiffer, Education Specialist



Photo: McLain

Pfeiffer joined the THC Historic Sites Division in October 2015. Prior to joining THC he taught Social Studies to 6th-through 12<sup>th</sup>-grade students. He has served as Assistant Director at the Houston Maritime Museum and as a program assistant at the Brazoria County Historical Museum. He notes that “it is an exciting time to be on ground floor of the site’s development, especially with the construction of our new visitor center on the horizon.”

Ben’s wife Angela is the Curator at Varner Hogg Plantation State Historic Site.



*Undated photos of the plantation house from A Window to the Past: Brazoria County, Texas [2]*



*Undated photo of the plantation house. Original source unknown; public Domain photo courtesy of JQ+Tsen, Austin, Texas,*

[1] Overview of Historic Sites at the Texas Historical Commission: An Issue Brief From Legislative Budget Board Staff. ID:1349 June 2014. <http://tinyurl.com/THC-ID1349>

[2] *A Window to the Past: Brazoria County, Texas* Brazoria County Historical Museum and Brazoria County Historical Commission, 1986.

# A SPECIAL ENVIRONMENTAL EDUCATION PROGRAM for ZETA PHI BETA

By Neal McLain

**FREEPORT, TEXAS** — October 12, 2015. The Texas Mid-coast National Wildlife Refuge Complex hosted an environmental education program today for members of the Lambda Zeta Chapter of Zeta Phi Beta Sorority, based in Houston. Volunteers from the TMN Cradle of Texas Chapter and Friends of Brazoria Wildlife Refuges assisted Complex personnel.



The day's events included:

- Microscope lab
- Reptiles with Ruby,
- Butterfly Encounter
- Bus tour of the Big Slough Auto Trail
- *Birds of Prey* program.

Approximately forty people attended including staff, members of the sorority, and family members of all ages.



**Microscope Lab**



**Butterfly Encounter**



**Reptiles with Ruby**



**Birds of Prey Program**



**Reptiles with Ruby**

More photos available here:  
<http://tinyurl.com/zetz-bnwr>



**Birds of Prey Program**

# KBR KIDS DAY 2015

**HOUSTON, TEXAS** — October 17, 2015. Volunteers from the Cradle of Texas Chapter joined forces with volunteers from Friends of Brazoria Wildlife Refuges to participate in KBR Kids Day 2015, held at The Water Works at Buffalo Bayou Park in Houston. The team hosted a Butterfly Encounter, an exhibit of reptiles (turtles, snakes, and juvenile alligators), and two *Birds of Prey* programs presented by our Birds of Prey team Steve Hoddy, Phil Huxford, and Tyler Wise.

Photos clockwise from top left:

- Juvenile American alligator.
- Tyler Wise with **Igor**, black vulture, male
- Steve Hoddy with **Bubo**, Eurasian Eagle Owl, female
- Carole Wenny with hognose snake
- Steve Hoddy with **Storm**, Andean Condor, female,

Bottom: Exhibit tents on the Brown Foundation Lawn, looking southeast. Photos by Richard Schaffhausen, Neal McLain, and Buffalo Bayou Partnership. More photos at <http://kbrkd2015.blogspot.com/>



RS



BBP



BBP



NM



BBP



RS

### CRADLE OF TEXAS CHAPTER OFFICERS

President	Dave Brandes, Lake Jackson
Vice President/Program	Leo Novak, Lake Jackson
Secretary	Linda Sluis, Richwood
Treasurer	Donald Sabathier, Pearland
State Representative	Ed Barrios, Lake Jackson
Past President	Mike Mullins, Sweeny
Training Coordinator	Roy Morgan, Lake Jackson
Membership Coordinator	Jerry Eppner, Lake Jackson
Volunteer Service Coordinator	Pete Romfh, Houston
Advanced Training Coordinator	Peggy Romfh, Houston
Outreach Coordinator	Ruby Lewis, Angleton
Chapter Host	Pam West, Freeport
Publicity Coordinator	Richard Schaffhausen, Alvin
Publications Coordinator	Neal McLain, Brazoria
Class of 2015 representatives	Patty Brinkmeyer, Brazoria
	Jill Carroll, Pearland
Chapter Advisers	Connie Stolte (Texas Parks & Wildlife Department) John O'Connell (AgriLife Extension Service)
Newsletter Editor	Neal McLain, Brazoria
Newsletter Writers	Peggy Romfh, Dave Brandes, Tom Morris, David Plunkett, Neal McLain
Website	<a href="http://tmn-cot.org">http://tmn-cot.org</a>
Facebook	<a href="http://facebook.com/TMN.COT">http://facebook.com/TMN.COT</a>
E-mail Listserv	<a href="http://tinyurl.com/TMN-COT-Mail">http://tinyurl.com/TMN-COT-Mail</a>
 	

### MASTER NATURALIST EMAIL LISTS

#### ***TMN-COT Chapter list***

- Instructions [http://tmn-cot.org/Email\\_Lists/index.html](http://tmn-cot.org/Email_Lists/index.html)
- Send messages to [TMN-COT@googlegroups.com](mailto:TMN-COT@googlegroups.com)
- Message Archive <http://tinyurl.com/TMN-COT-Mail>
- All messages are sent immediately.

#### ***State Master Naturalist list***

- Instructions <http://txmn.org/staying-connected/sign-up-for-tmn-listserv/>
- Subscribe [listserv@listserv.tamu.edu](mailto:listserv@listserv.tamu.edu)
- All messages are held for moderation by the TMN State Coordinator

*Chapter News* is published monthly on the first day of the month by the Texas Master Naturalist Cradle of Texas Chapter. Submissions are welcome. Submission deadline is 5:00 PM the next-to-last day of the month. Submissions should be sent by email to *Chapter News* Editor at [tmn.cot@gmail.com](mailto:tmn.cot@gmail.com). Submissions may be edited for clarity and spacing.