

Our purpose is to document and publicize the values and conservation needs of horned lizards, to promote horned lizard conservation projects, and to assist with horned lizard management initiatives throughout their ranges.

Volume 14, Issue No. 2

MAY 2009

Horned Lizard Field Trips on Tap for 2009

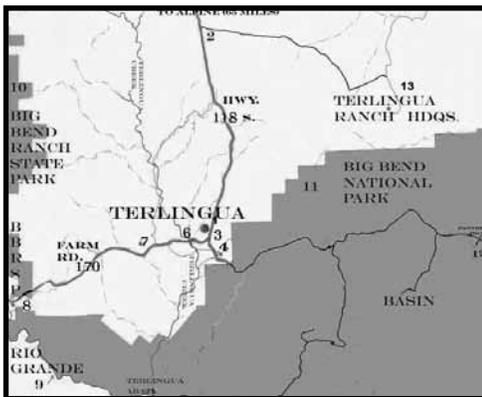
by Lee Ann Linam

Been looking for a chance to see a horned lizard? Want to play scientist for a day or two? Then join us on one of our horned lizard field trips this year!

May 21-25 (Memorial Day weekend) – West Texas trip – HLCS Secretary Tanya Phillips is inviting members to visit their property on Terlingua Ranch. Mem-

bers can use Tanya's cabin as a "home-base" for horned lizard surveys in the area. Some beds and simple kitchen and bathroom fa-

cilities are available. Participants can also camp on the grounds or stay in hotels nearby. Tanya has photographed roundtail horned lizards at the site, and Texas horned lizards are also likely.



<http://www.terlinguagallery.com/map.html>

The trip could include a possible side-trip to Fort Davis on the way there or back to hunt for short-horned lizards, and Big Bend is close-by! – For more information, contact Tanya at tanyamp@austin.rr.com or 512-560-3732.

July 30-31 (Thursday-Friday) – Matagorda Island trip – HLCS has again been invited to visit Matagorda Island and assist with some of the Texas horned lizard research going on there. Members will travel by boat from Aransas National Wildlife Refuge. Lizard

hunting will be hot, but members will spend the night overnight in air-conditioned cabins on the island. It's a great opportunity to visit an unspoiled Texas barrier island, but space will be limited, so priority will go to HLCS members. – For more information or to reserve your space, contact Lee Ann Linam at lalinam@txwinet.com or 512-847-9480.



<http://maps.google.com/maps>

Upcoming Events

West Texas Trip

Tanya Phillips' property on Terlingua Ranch
May 21 - 25, 2009 (Memorial Day Weekend)

Matagorda Island Trip

Matagorda Island
July 30 - 31, 2009

See page 8 for a request for interest for a HLCS field trip in Colorado in August. We'll be scheduling one other trip to fall in late August or early September. Watch the next newsletter for more details, or send Lee Ann an email if you'd like to be updated on those opportunities.



National Board of Directors

President

Joyce Gibson Roach
P.O. Box 143
Keller, TX 76244
jroach35@verizon.net

Secretary

Tanya Phillips
9874 Weir Loop Circle
Austin, TX 78736
tanya@tanyamariellphillips.com

Member Services

Lenee Weldon
926 Terry Trail
Weatherford, TX 76086
Cell 817-613-7112
lenee.weldon@gmail.com

President-Elect

vacant

Treasurer

Rollo Newsom
4 Longwood Rd.
Austin, TX 78737
rnewsom@austin.rr.com

Director At Large

Danny Martin
Fort Collins, Colorado
djm_ks@yahoo.com

on the web at — www.hornedlizards.org

Colorado Contact

Danny Martin
Fort Collins, Colorado
djm_ks@yahoo.com

New Mexico Contact

Tom McCain
PO Box 53095
Albuquerque, NM 87112
tom@httom.com

Southern California Contact

Lester G. Milroy III
14321 Ricaree
Apple Valley, CA 92307
(760) 946-1094
les4toads@aol.com

Texas Contact

Lee Ann Linam
Wildlife Diversity Branch
Texas Parks & Wildlife Dept.
200 Hoots Holler Rd
Wimberley, TX 78676
lalinam@txwinet.com

Phrynosomatics Copy Editor

Leslie Nossaman
poppies14@comcast.net

Phrynosomatics Design Editor

Fannie Messec
fmessec@yahoo.com



Please Send Membership Applications or Requests for Information to:

**HLCS
P.O. Box 122
Austin, TX 78767**

A SURVEY OF REMAINING COAST HORNED LIZARD POPULATIONS WITHIN THE SIERRA NEVADA AND CENTRAL VALLEY OF CALIFORNIA

By Jackson Shedd



BACKGROUND INFORMATION:

The Coast Horned Lizard (*Phrynosoma blainvillii* [= *coronatum*]) is a State listed Species of Special Concern and is on the decline throughout California. Reasons for decline are attributed to conversion of habitat to housing, golf courses, agriculture, extensive oil drilling, as well as the introduction of the invasive Argentine Ant, which the horned lizard won't eat and eliminates native ant species. Introduced European grasses and other annuals such as star-thistle also appear to have choked this species out from many undeveloped grassland areas where native grasses were much shorter and sparse.

WHERE IN THE SIERRA NEVADA AND CENTRAL VALLEY:

The Coast Horned Lizard occurs on the west slope of the Sierra Nevada from the Central Valley up to around 2,500 ft in the northern Sierra and to around 6,200 ft in the southern Sierra. Historically this species occurred throughout much of the Sacramento Valley south throughout the San Joaquin Valley. Both Sierra Nevada and Central Valley populations are now few and isolated.

Like most horned lizards, this species has specific habitat and dietary requirements. Found in grassland, chaparral, and open pine, oak, and pinyon-juniper woodlands, the Coast Horned Lizard is dependent on open ground situations where areas of loose soil allow for burial during periods of inactivity (i.e. daytime heat or hibernation). Such soil types include alkali, basalt, gabbro, and decomposed granite. Harvester ants, a main prey item, are also typically present. This is the only horned lizard within the region of focus and should be readily identifiable by its flattened, spiny body; stocky appearance; and horns adorning the head. Coloration varies with soil type.

SIGHTINGS:

The relatively few historical vouchers and records for the Sierra Nevada and Central Valley are typically old, lack useful locality data, and very often represent extirpated populations. More information is needed to better understand Coast Horned Lizard abundance in the Sierra Nevada and Central Valley. Both recent sightings and older sightings from remaining natural areas are encouraged. Please include as much data as possible. The information gathered during this survey is not for public use. Coast Horned Lizards are protected by State law and should be left at the site of discovery.

*Please report your sightings and locality information to Jackson Shedd: jackson_shedd@sbcglobal.net.

Useful information includes the following:

- Name of observer(s)
- Date and time
- Locality (include county, elevation, GPS coordinates if available)
- Land use at time of observation
- Photo voucher

Member Spotlight: Carolyn Todd

By Carolyn Todd

My story with HLCS began in 1990 when a lawyer; Bart Cox, placed a notice in the Austin American Statesman for a meeting to take place in Zilker Park in Austin to discuss the decline of the Texas horned lizard. I remember that people attending the meeting shared childhood experiences with the lizards and our concerns about their status. People came together from the Austin area with diversity in our ages, ethnicity and professional lives. What we had in common was our fascination with this unique Texas lizard.

Clare Freeman, Bill Brooks, Bill Davis, Wendy Hodges and I were among these dedicated first members who agreed to organize and plan our strategy. I started out on the By Laws and Education committees. I agreed to chair the Education committee eventually and I recruited several teachers from the larger group. We put together a curriculum guide complete with pictures of school age kids with horned lizards, the three species of horned lizards found in Texas, math problems, coloring pages and even a cookie recipe. We had a great time sharing it with one of the teacher's students. My son Jason and I designed the maze coloring page, while another member, Steve Austin, drew the larger coloring page. A little later, I drew the horned lizard mask, most if not all, we have used in our booths around the state. I continue to enjoy

watching children color them. Wendy conducted her research around the state and not too much later, we started receiving requests from TPWD and private land owners to survey their ranches for horned lizards. Over the years, we have experienced and surveyed unique and beautiful property from central Texas to the Panhandle, to West Texas and the coast. Along with Clare, Bill, Wendy and many others, we gave slide talks and set up booths to share with the public. Some of the "wildest" booths were early in the Texas Wildlife Expos. In the first two years, people outside of the booth areas were protesting the hunting displays and a few of us were a little apprehensive. One "funny guy" approached our booth and told me that lizards were best studied on an open barbecue pit but most people over the age of 40 wanted to share their childhood stories about horned lizards.

It was a great experience to camp in the parks and survey together for lizards. One year a group of science teachers and their spouses helped us survey lizards in the state park outside of San Angelo. We picked up, weighed and measured many lizards. The lizards were not comfortable with this process and sprayed blood on the t-shirts of several of the volunteers. They were thrilled; most told us

they thought it was a myth that the lizards could spray blood from their eyelids.

Leigh Stone, our president at the time, asked me to help TPWD with lizards picked up by tourists. Andy Price, TPWD herpetologist, traveled extensively and he needed help with the lizards. My years of keeping lizards in captivity for possible release began. It was difficult in the beginning. Finding Harvester ant mounds has always presented a challenge and I had successes and losses. I was able to return several lizards to the places they were collected and I have learned a great deal. After several years, lizards finally mated and Wendy successfully released young lizards in protected areas.

Today, I am caring for three sub-adult lizards that were given to Cheryl Franks in Houston, a UT student in Austin and Tim Cole from Georgetown. They were collected by people who probably thought they could make them into pets until they discovered their threatened status. Lee

Continued on page 5



Carolyn Todd shaking the lizard food can looking for crickets. Photo taken March 2009.

HLCS Board Members “Go to School” on Horned Lizard Genetics

By Lee Ann Linam



Dr. Dean Williams giving a tour of his lab at TCU. In his hands are some of the horned lizard samples collected by volunteers for his study. Photo taken by Bill Brooks, February 6, 2009.

Member highlight continued from page 4

Ann Linam and I are working together with the El Paso zoo for a horned lizard exhibit. I will be attempting to increase their body weight which can be difficult with this cool, wet weather.

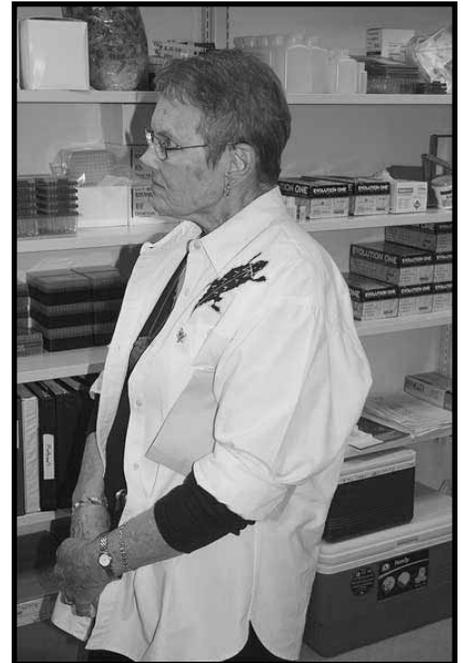
In the photo, I am encouraging a few crickets out of the container. I hate to use crickets but Cheryl's lizard likes to eat crickets. This will work briefly until it is warm enough for the ants to surface.

I wish to extend my personal gratitude to all the great folks in HLCS I have met and worked with over the years. It has been a great experience; let's keep up the good work!



HLCS members attending a recent Board of Directors meeting at TCU were treated to a tour of Dr. Dean Williams's genetics lab. Dr. Williams and his wife, Dr. Amanda Hale, recently received a grant from Texas Horned Lizard License Plate funds to conduct a genetics survey of horned lizards in Texas (described in our last newsletter).

HLCS members were given a crash course in molecular genetics, with Dr. Williams explaining how DNA in the mitochondria of the cell is inherited from the mother and how differences can reveal information about population size and structure, mating systems, and dispersal. Dr. Williams then showed the equipment used to extract DNA from samples, mark certain repetitive sites in the mitochondrial DNA called microsatellites, how those microsatellites are amplified (or replicated), and then how the sites are read to detect differ-



Bette Armstrong listening to Dr. Williams' lecture during the lab tour at TCU. Photo taken by Bill Brooks, February 6, 2009

ences in the numbers of repetitive segments.

Dr. Williams also showed the members a display case that houses some of the horned lizard replicas produced by HLCS member Tom McCain. Drs. Williams and Hale are working with the biology department to improve and expand these educational efforts. HLCS is pleased to have Dr. Williams and Dr. Hale on faculty at TCU and hopes that their interest in horned lizard research will further strengthen our ties with the home of the “Horned Frogs!”



Lee Ann Linam and Tom McCain during the lab tour at TCU. Photo taken by Bill Brooks, February 6, 2009



HLCS National Board of Directors Meeting Minutes - February 6, 2009 TCU Environmental Science

By Tanya Phillips

1. Introductions – Call to order at 1:15 PM. Members in Attendance: President Joyce Roach, Treasurer Rollo Newsom, Secretary Tanya Phillips, Past President Lee Ann Linam, Member Services Lenee Welton, Bill Brooks, Dr. Tony Burgess, Tom McCain, Dr. Dean Williams, by phone Director At Large Danny Martin and Amy Trost.



HLCS President Joyce Roach. Photo taken by Bill Brooks, February 6, 2009.

2. Overview – Joyce/Lee Ann – Lee Ann was requested to oversee the direction of this board meeting.

3. Treasurer's Report – Rollo presented a written summary of our two accounts, sales and administrative. Balance in each account as of today is Sales \$10,706.49 and Admin \$7,334.14. Our largest source of income is memberships, approx. \$3,300 in 2008 with approximately 208 members. Concerns are that we are losing renewals and will likely drop below 200 members and lose our bulk mail discount rate.

4. Gift to Fort Worth Zoo – Rollo moved and Bill seconded a motion to make a one-time-only gift of \$1000 to the department of the Fort Worth Zoo that recently propagated Texas horned lizards in for the first time captivity in recognition of that exceptional achievement. The motion included the call for a cover letter encouraging the Fort Worth Zoo to share the knowledge and techniques for propagation of Texas horned lizards with other zoos. Special Note: This gift/donation is contingent on the Board of the HLCS being assured that the department and programs that propagated Texas horned lizards in captivity at the Fort Worth Zoo is still active and viable at this time. Motion passed unanimously.

5. Membership Report – There are approx. 208 members. There are currently approximately 30 members who have received renewal cards. An idea for recruiting new members is to actively seek more participation from University professionals, students, and researchers. – Danny will work on this item.

6. Secretary position – this was put off until a later time.

7. President-elect position – there is an issue without a current President-Elect; we are seeking nominations/volunteers. The president-elect helps

plan the National meeting. A couple names were announced and these people will be spoken to before any formal nomination occurs.

8. Next national meeting – The board is discussing whether or not to have a meeting this year (2009) or to wait and plan it for 2010, hopefully under the direction of the new President-Elect. (Consensus seems to be for 2010 because it is the 20th anniversary.)

9. 2009 Field surveys (consensus is to try and attend approx. 4 field surveys- the first four in the list)

- West Texas – Terlingua/ Ft. Davis - Field survey trip/ Board Meeting scheduled for May 22-25, 2009. – contact Tanya Phillips for bed or camping requests.
- Matagorda Island – 1st weekend in August (Lee Ann will get more details)
- Maddin Prairie (NPAT property south of Colorado City) – possible, need to decide date.
- Smithville (public info session too) – (Lee Ann will get more details)
- Duval county (invitation from private landowner) – save for 2010
- Castroville (request from Lou Hamby, tentative) – save for 2010
- Temple Ranches (Beeville area; invitation from UT Regent) – save for 2010

10. Merchandise – There is a strong plea to begin online sales using a shopping cart and PayPal for our merchandise to increase sales and advertising. Tom McCain is willing to help by offering his website as an example for us to ‘borrow’ design ideas. He is also willing to help us by offering the routing of sales of ‘his’ items purchased via our website, so that he can handle the shipping directly. (We get wholesale prices.) Bill made the suggestion that we print and offer a merchandise catalog with photos of our products. Bill has offered to take photos of all of the merchandise to be included. Consensus was to put primary focus on going ONLINE first as a printed catalog could be very expensive.

11. Newsletter & Website

-- The idea was brought up to publish a somewhat larger 2010 Celebration Newsletter to celebrate our 20 year anniversary. Several members have expressed concern that we get our website updated, either by volunteers or that we hire a web designer to help us. (Danny will check on costs.) Tanya made a motion to create a taskforce to collectively work on the website updates and development. Motion was seconded and passed unanimously (11-0). Task force members are: Wendy Hodges, Tanya Phillips, Danny Martin, and Bill Brooks.

Amy Trost will gather member emails into a database so that we may begin to offer members the option of getting the newsletters online in

lieu of printed format to save funds and promote ‘green’ business. There was also a lengthy discussion of whether or not to include ALL newsletters, including the most current on the website. Pros – save on mailing by eventually moving most members to getting it online instead of mailed. Mailing could be by special request only. It is a great way to get out grant info and timely info to members. Cons – the desire to retain control of the newsletter as a paid member only perk, there are some members who will always prefer the printed format. A motion was made to publish ALL newsletters online, to include the most current one. Motion was seconded and passed unanimously (11-0). An announcement will be made in the next printed newsletter regarding electronic newsletters for future mailings; with printed newsletters by request only.

12. Grants – HLCS will fund up to two applications for up to \$500 each and will announce opening the competition, deadlines etc, in the next newsletter. Danny will be added as one of the reviewers. A suggestion was made to set aside a certain amount of dollars each grant period and then accept applications that allow the requestor to specify amount of grant needed with the understanding that they could request UP TO the full amount. The board could then look over all the applica-

tions and allocate funding in varied amounts to the chosen requestors.

13. Outreach – Bill Brock is working on this.

14. Other states – Danny requested we try to be more inclusive of what’s going on in other states as well as in TEXAS. Amy checked online and only Wyoming has a horned lizard (the short-horned lizard) as the state reptile. The idea is that we can use “a state reptile” to draw other states into more active participation, or perhaps contact a state who doesn’t yet have a state reptile and suggest that they choose a horned lizard common to their area.

15. Other – Tanya suggested that we check into asking our local or state level government to make a ‘proclamation for the horned lizard’ on our anniversary in 2010; to possibly include a small local festival downtown in a public park to increase awareness and celebrate. Amy Trost volunteered to help look into what that takes to get going. Minutes respectfully submitted for review and corrections on February 10, 2009.



Tanya Phillips (left) and Rollo Newsom (right). Photo taken by Bill Brooks, February 6, 2009.



HLCS Field Trip in Southeastern Colorado: Request for Interest

By Danny Martin

The HLCS is requesting contact from those members who may be interested in participating in a field trip in southeastern Colorado in early August. The purpose of this trip would be to look for roundtail horned lizards (*Phrynosoma modestum*); there are only a handful of individuals from this species that have been confirmed in the state.

Because this field effort will likely take place on private land, we need to know how many people would be interested in participating. In addition, depending

on the land we are able to gain access to, we may have to limit the number of participants. Therefore, sign-up will likely be on a first-come, first-serve basis and HLCS members will have priority.

If interested, please contact Danny Martin at: djm_ks@yahoo.com with "HLCS Colorado Trip" in the Subject line, and specify your name, contact info., your level of interest (e.g., definite or possible), and which of the following dates would work best for you: 8–9 or 15–16 August.

Please be aware that given the small number of individuals of this species found in the state (~6) to date, there is a decent chance that we may not find any roundtail horned lizards. We will target search areas with known historic locations and good habitat, and the benefits of finding additional specimens would be helpful for learning more about ecology of this species in Colorado.

The site is yet to be determined, but will likely be a good drive from any towns with hotels, and tent camping may be the best option for participants. 

Northeastern Colorado Field Survey Photos

All photos on this page taken by Danny Martin and copyrighted. They are used with his permission by HLCS.

A short-horned lizard being weighed on a portable scale on Pawnee National Grassland in northeastern Colorado, as part of research being conducted by Danny Martin.



An adult short-horned lizard with attached radio transmitter on Pawnee National Grassland in northeastern Colorado, as part of research being conducted by Danny Martin. Note the scar on the lizard's back, likely the healed wound from a predation attempt.



Neonate (newborn) short-horned lizard on Pawnee National Grassland in northeastern Colorado. Short-horned lizards are typically born around mid-August in this climate, and often weigh about the same as a paper clip (~1 gram) when first born.



Adult short-horned lizard being weighed on a portable scale as part of research being conducted by Danny Martin in northeastern Colorado.

GoodSearch: A Search Engine that Can Raise Money for Us!

By Wendy Hodges

GoodSearch.com is a search engine that donates half of its revenue, about a penny per search, to charities that users designate. The HLCS has been set up as a charity through their web site. You use it just as you would any search engine, and it's powered by Yahoo!, so you get great results. Rather than Googling to find out something, use GoodSearch.

What to do:

Go to www.goodsearch.com and enter the Horned Lizard Conservation Society as the charity you want to support. You will earn us money doing a normal web search every time you use it! You can see how much money we earn at any time. Please use it as often as you can! Set it as your home page or bookmark it or put it on your web browser's tool bar. We could earn thousands of

dollars a year just by having our members designate us whenever they do an internet search.

GoodSearch has now added GoodShop. By following the links from the GoodSearch page to stores you already purchase from, a percentage will go to your charity of choice – designate *Horned Lizard Conservation Society*. Examples of stores that donate are ebay, Barnes & Noble, Alibris books, and REI.

Thanks for contributing - and SPREAD THE WORD!!!



GoodSearch
YOU SEARCH WE GIVE™

Data Needed for the Coast Horned Lizard

By Jackson Shedd

The Coast Horned Lizard (*Phrynosoma blainvillii* [=coronatum]) has declined drastically throughout California. Historical data on populations from the Central Valley and Sierra Nevada are particularly limited and often vague. Many of these data represent extirpated populations. With your help, it is my intention to compile available data on existing Coast Horned Lizards within the above regions as a personal research project dedicated to this species' conservation.

It is my hope that the attached flyer (*on page 3 of this issue*) be circulated throughout your affiliated organization or department. More information is included on the flyer. I look forward to your observations.

Sincerely,
Jackson Shedd, Graduate Student
Department of Biological Sciences
California State University
Chico, CA
95929-0515



Adult, San Benito County. Photo by Jackson Shedd.
© Jackson Shedd



Adult, Butte County. Photo by Jackson Shedd.
© Jackson Shedd



Editor's Note

By Leslie Nossaman

Every quarter the editors of *Phrynosomatics* search for articles and photos for your newsletter. As you probably noticed, we have been very fortunate to have received many excellent articles and photos that you have submitted. Thank you to all who have submitted an item for the newsletter!

The types of items we are looking for include:

- local news and events (booths, fairs, meetings)
- national news and events
- newspaper article reprints
- scientific article reprints
- articles on experiences with horned lizards
- survey experiences
- poetry and prose



"AHHHH...BREAKFAST IN BED!"

- kid's contributions
- photographs or drawings
- cartoons

We have also started a new section where we highlight a member. If you would like people to know about your involvement with horned lizards, we would like to hear from you!

Typical questions people like to hear about:

- How long have you been a member of HLCS?
- What type of activities have you done regarding horned lizards?
- When and why did you get interested in horned lizards?
- What are your interests other than horned lizards?
- Do you have any interesting hobbies (sky diving, hang gliding, bag piping, gardening, etc.)?

Also our readers really like to see photos of horned lizards. Many of us are not fortunate enough to live around them and have to travel many miles to even be in their neighborhood. So photos are a good way to connect to our beloved lizard friends.

We receive so many nice notes about our newsletter from our readers and enjoy compiling it each quarter. Our newsletter becomes excellent due to contributions from you. Consider contributing and encouraging others to contribute too. See you next issue!



Please renew your annual HLCS membership!!!
HLCS depends on its membership for its conservation and educational presence in the community.

Categories for *annual* memberships include:

Regular	\$25
Student or Senior	\$10
Family	\$25
Each additional family member	\$10
Contributing	\$50
Corporate	\$250

Lifetime membership \$300

The HLCS welcomes contributions in any amount you wish to submit and is a 501(c)3 nonprofit organization.

President's Message

By Joyce Gibson Roach

During these winter months when our horned friends are hibernating, I still think about them. And I wish I had photos; you know, like the videos of ants in their mounds deep beneath the earth; or of bears inside their dens when they give birth, barely awake if that, and seeing them come sleepily out of the ground.

But horned lizards? If we have any photographs of the creatures underground I don't know it. There is so much interest now in horned lizards and the Society gets mail asking questions we can't answer, things we still don't know but can only guess at. Some want to know where they can be found, where they can photograph them in native habitat, doing what they do. While Lee Ann and Wendy answer as kindly, diplomatically, professionally as possible, it's also clear that many don't really understand how uncertain actual sightings are. Their best bet is to go to a zoo where they're raising horned lizards in captivity.

It's difficult for the casual photographer or even for the professional for that matter, to understand there's no guarantee of observing horned lizards even if we point them to prime locations, or that they're where they are supposed to be when people want to observe, photograph, and document. The Society goes on survey/hunts fairly frequently and into ter-

ritory where they are a sure thing—and they aren't there.

We do see many other things and enjoy some rare sights of elusive animals, dangerous animals, even, and get photos of them. But we may stay, and stay, and stay and look, and look and look at all hours of the day under the most diligent guidelines of field work and—nothing!

Don't think for a minute, however, that going on these survey trips is ever wasted. I've mentioned seeing all kinds of animals, but we soak in the settings, too, some of them in isolated, relatively untouched places; some on private ranches and in national and state wildlife locations where HLCS is invited to come—Matagorda Island to name just one. But perhaps the most important creature we encounter every time is each other—of like mind and spirit embracing earth, sky, and sea and all that dwells therein.

Getting photos of lions, tigers, elephants—big game—is more likely than getting photos of horned lizards doing anything—mating, squirting blood from their eyes, any of it. But we do, as do you who aren't on an official survey/hunt, get some spectacular shots and send them to us. How grateful we are. Many of them you see in the newsletter. No matter how wonderful, no matter the habitat, the photos are in black and white. Soon the newsletter

will be available on the web—in full color. (See item #11 on page 7 and read Notice below.) Those of you that do not have online capabilities may request to have one mailed to you. The mailed copy may or may not be in color.

In order to receive the newsletter in web format in the future, HLCS must have your email address. Your email address will not be sold or traded to any other organization.

NOTICE: Due to rising printing and postal costs—and HLCS's commitment to a greener America—starting with the August 2009 issue, newsletters will be available in beautiful color PDFs online to all members. To assure that HLCS has your current email address on file, please send your e-mail address to Lenee Weldon at lenee.weldon@gmail.com. An EMAIL alert will be sent to let you know when the newsletter is available. You may print the newsletter for your personal convenience.

If you need to continue receiving your newsletter in printed format, please write to HLCS, P.O. Box 122, Austin, TX 78767 or call Lenee at 817-613-7112. While this will be an inconvenience to some members, the money saved will allow us to fund more projects to ensure horned lizards will be around for future generations to enjoy. We thank you for your assistance and patronage. *HLCS Board of Directors*





Post Office Box 122, Austin, Texas 78767

**NON PROFIT ORG.
U.S. POSTAGE
PAID
AUSTIN, TX
PERMIT NO. 383**

Return Service Requested

PLEASE JOIN US! Students/Seniors: \$10; Regular: \$25; Contributing: \$50; Corporate: \$250; Lifetime: \$300
Families: \$25 for the first person and \$10 for each additional member
HLCS is a 501(c)(3) non-profit organization. Contributions are deductible to the extent allowable by law.

Printed on Recycled Paper

Table of Contents

Horned Lizard Field Trips on Tap for 2009	page 1
Lee Ann Linam	
A Survey of Remaining Coast Horned Lizard Populations within the Sierra Nevada and Central Valley of California ...	page 3
Jackson Shedd	
Member Spotlight: Carolyn Todd	pages 4 - 5
Carolyn Todd	
HLCS Board Members "Go to School" on Horned Lizard Genetics	page 5
Lee Ann Linam	
HLCS National Board of Directors Meeting Minutes – February 6, 2009 TCU Environmental Science	pages 6 - 7
Tanya Phillips	
HLCS Field Trip in Southeastern Colorado: Request for Interest	page 8
Danny Martin	
Northeastern Colorado Field Survey Photos	page 8
Danny Martin	
GoodSearch: A Search Engine that Can Raise Money for Us	page 9
Wendy Hodges	
Data Needed for the Coast Horned Lizard	page 9
Jackson Shedd	
Editor's Note	page 10
Leslie Nossaman	
President's Message	page 11
Joyce Gibson Roach	