

Southwest Section Newsletter

Spring 2015 - Vol. 5 Issue #1



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President's Message

Mark Wallace - 2015 President Southwest Section of The Wildlife

I want to start by thanking outgoing president **Leland Pierce** (NMGF) for all that he, the Executive Board, and our committees and members achieved during 2014-2015. This past year, your SW Section officers represented you at the JAM (Joint Annual Meeting) of the Arizona – New Mexico Chapters, Feb 2015 in Las Cruces NM and at the Texas Chapter of The Wildlife Society, February 2015, in Corpus Christi, TX. Both of these state chapter meetings were very successful; Texas celebrating 50 years for their chapter and Arizona-New Mexico their 48th Joint Annual meeting with both the states wildlife and fisheries societies meeting together. The amount and diversity of work around the Southwest Section is worthy of recognition. It is likely that the reputation and activity of the wildlife biologists in this region played an important role in the TWS national society decision to hold the 2017 Annual Meeting in Albuquerque, NM.



Photo by Carol Chambers

Under the excellent leadership of Past President **Leland Pierce**, we achieved our 2014 goals of updating the bylaws, integrating our Conservation Affairs with the National effort, and electing a new slate of officers. Two new committees: Southwest Women of Wildlife and Geospatial Advisory Committee have both been initiated. First meetings at the previously noted annual meetings were very successful. The Southwest Section has reformed our Conservation Affairs Committee (CAC – **Jim Ramakka** chair) to integrate with the new National TWS format.

Now, more than ever, it is apparent that one of the most important roles for the Southwest Section is information transfer & communication. To that end, we will play an active role with the Conservation Affairs Committees, the Section's and the states'. Further, we are working to enhance the roles that our Section website, newsletters, and officers can play. Today, with the efforts of many, Conservation Affairs Committees are becoming more active than ever. A goal this year is to continue to expand and build on the strong foundation set by the previous Section leadership. We will help facilitate the efforts of the State Conservation Affairs Committees: **Clint Faas** and **Romey Swanson** (TX), **Brian Hansen** (NM), **Jon Hanna** (AZ), with **Jim Ramakka** (SW Section). With legislative sessions coming to an end in each of the Southwestern states, we must be vigilant in conserving our wildlife and natural resources and in examining policies which may erode those things important to all of us. The purpose of the CACs is to monitor and respond to not only state-based policy issues of relevance, but also tie our efforts into a greater, national network of resources and wildlife professionals. I encourage any of you with interest, experience, skills, or time who would like to help contact us (contact info for Section and States available in this newsletter).



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President's Message

Mark Wallace (continued from page 1)

Second, we must continue to invest in the future of our profession. Students, our future wildlife professionals, need your support. Remember how someone reached back to help you get started. The professionals in your day were inclusive, invited you to participate, provided your 1st opportunities, perhaps were even instrumental in your first professional hands-on activities, when you were as green as these kids are. TWS reviews in recent years have emphasized the important roles that we as professionals have in mentoring and helping the next generation get involved. It was not just the schools that got you started. But, it will take even more help from us, the current professionals, as today's youth grow up more and more removed from natural resources and the things that are important to us. These generalizations may not fit for any individual, but they do fit many of the freshmen I see each Fall. They often have different perceptions and skill sets than we had at their stage. Fewer had enough opportunity to grow up experiencing nature 'hands on'. While they are at least as idealistic as we were, they have had very little problem solving experience, few real 'wildlife' experiences, and communication is almost exclusively through social media. They are much more savvy with electronic media, but are often strangely reticent to talk one-on-one with people. Like many of us at that stage, they have a love of animals and want to 'save the environment' but their experience comes mostly from television. Even by the time they are seniors, many have not gained significant experience. Further, there seems to be a significant fear of choosing. That they may have made a wrong decision and will have to live with the wrong job for the rest of their life keeps them from making any decision. Reassurance, along with opportunity is a big part of the contribution that you can make.

Together, we can continue the resurgence of the Southwest Section. Continued member involvement, greater communication with and among state Chapters, and our focus on issues and students should keep this Section strong and vibrant. Together, we can conserve tomorrow's wildlife resources and help prepare future professionals to create a more sustainable future. I am honored to serve as your Section President and look forward to working with each of you on this year's challenges.

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SWS Board & Committee Chairs

Current Board

President: **Mark Wallace** mark.wallace@ttu.edu 806-834-6979

President-Elect: **Dan Collins** dan_collins@fws.gov 505-248-6881

Past President: **Leland Pierce** leland.pierce@state.nm.us 505-476-8094

Secretary: **Heather Bateman** heather.l.bateman@asu.edu 480-727-1131

Treasurer: **Annaliese Scoggin** annaliesescoggin@hotmail.com 432-520-1570

Southwest Section Representative to TWS Council: Carol Chambers
carol.chambers@nau.edu 928-523-0014

Committees

Archives: **Selma Glasscock** sglasscock@welderwildlife.org 361-364-2643

Audit: **Terry Blankenship** tblankenship@welderwildlife.org 361-364-2643

Conservation Review: **James Ramakka** jramakka@aol.com 505-334-6140

Diversity: **Joe Beach** joe.beach@tpwd.state.tx.us 512-538-4059

Electronic Communications: **Mike Frisbie** Mike.Frisbie@tpwd.state.tx.us
512-757-0899

Finance Committee: **Needed!**

Geospatial Advisory Committee: **Leland Pierce** leland.pierce@state.nm.us
505-476-8094

Membership Committee: **Needed!**

Newsletter: **Misty Sumner** miiissttyy@aol.com 432-283-2934

Nominations Committee: **Dan Collins** dan.collins@fws.gov 505-248-6881

Women of Wildlife Committee: **Carol Chambers** carol.chambers@nau.edu
928-523-0014



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What's Happening with TWS

Carol Chambers, Southwest Section Rep to Council



Big news. The annual TWS conference returns to Albuquerque 23-27 September 2017. The first meeting was held in Albuquerque in 1994 and it was a great one. Plan now to attend this one. Albuquerque is a great place for the conference and conference organizers are excited to show you the state. Quentin Hayes (Quentin.Hays@enmu.edu), president of the New Mexico Chapter, has formed an organizing committee to kick off planning.

In general. Finances have been a major focus for TWS this past year and although we are on sound financial footing we continue to rebuild TWS assets. We are functioning under the new strategic plan and working on increasing membership. TWS website (<http://wildlife.org/>) is dynamic with new articles added weekly on wildlifer events. Our very popular The Wildlife Professional will be going from 4 to 6 issues a year starting in 2016. Government Affairs staff researched, wrote, and produced news articles on the website related to wildlife policy and staff activities including bird-focused additions to Policy Brief Series and Energy Fact Sheets. Check out the 11 fact sheets and 10 policy briefs at www.wildlife.org/policy.

Membership. Membership has declined by about 1000 members over the past 2 years. TWS is working on adding even more value to your membership with the updated website, weekly eWildlifer, and more. Review membership benefits and buy a student a membership; for information about benefits, see <http://wildlife.org/membership-benefits/>. Strong membership supports the changes we want to make at state, section, national and international levels by supporting (at all levels) things like the Conservation Affairs Network. TWS is also raising funds through The 1,000 Campaign (over \$100,000 to date which helps support TWS initiatives).

Conferences. This is the year of the international meeting so have your passport ready. The 2015 annual conference is in Wininpeg, Manitoba, Canada (October 17-21). The call for contributed papers and posters is on with deadline to submit abstracts by April 24. If you're a student and want to present work in progress, deadline for abstracts for Student Research in Progress Posters is June 18. Check out conference information at <http://wildlife.org/2015conference/>. There's another opportunity for international travel to the Fifth International Wildlife Management Congress (<http://iwmc2015.org/>) coming up July 26-30, 2015, in Sapporo, Japan.

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What's Happening with TWS

Carol Chambers, Southwest Section Rep to Council

More big news ... elections are coming up and you need to vote in a new Southwest Section Rep and Vice President. The Wildlife Society has announced candidates for positions on TWS Council at <http://wildlife.org/meet-the-candidates-tws-2015-elections/>. Our 2 candidates for Southwest Section Rep are **Kathy Granillo** (NM) and **Fidel Hernández** (TX). Their biographies are provided below or at the web link above. In addition, you will be voting for TWS Vice President and our candidates include **Selma Glasscock**, a Southwesterner (TX, Southwest Section Past President, Texas Chapter Past President) and John E. McDonald (former Northeast Section Rep to Council). Make sure to vote when you receive your electronic ballot.

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Kathy Granillo

I have lived and worked in the Southwest for about 25 years, and the wild lands and wildlife of this area are near and dear to my heart. The world of wildlife management and research is comprised of a relatively small, close-knit group of very dedicated people. Through my many years of working across the Southwest, and through my involvement in TWS, I have gotten to know many of these people well. They care deeply about wildlife resources. They work long hours. They do good things for wildlife.

They need someone who knows the issues in the southwest to speak up at the national level; to be their voice to TWS leadership. They also need to hear back from leadership. I believe I can do this and do it well.

I would focus on better communication between scientists and managers. I have a long-time interest in improving communication between these two groups and I believe that TWS has a large role to play in this endeavor.

Another top issue for me is involving youth and minorities in conservation and science. We need more young people, from diverse backgrounds, to engage in conservation and to pursue careers in wildlife research and management.

An issue that I care deeply about is rapidly accelerating climate change. Anyone who lives in the southwest has seen and felt the changes—hotter and drier, with more intense weather events. I would keep this issue in the limelight while working with national, section and the state chapters.



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What's Happening with TWS

Carol Chambers; Southwest Section Rep to Council (continued)

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Fidel Hernandez

Rarely do we appreciate an experience during the present. Appreciation generally occurs many years later, after some time has passed, and we can evaluate life retrospectively. Such was my experience regarding professional service. I have been involved with the Texas Chapter of The Wildlife Society and our parent society since a student, nearly 20 years ago, and this involvement has continued through my professional career. I have served as Committee Chair of numerous state and national committees and as President and officer for the Texas Chapter of The Wildlife Society. The primary impetus for my initial involvement arose as service to my profession. I never realized, however, that in addition to serving our profession there was an added value to professional involvement—leading by example.

As professors or mentors of young professionals, we often encourage their involvement in our profession. We preach on the value and benefits of professional involvement. Being an effective mentor, however, is more than educating. It also is leading by example. Today, I remain active not only for professional service but also to hopefully inspire the young professionals in my sphere of influence to do the same. The growth and prosperity of our profession requires the involvement of all, from the incipient to the seasoned. I value the opportunity to represent our society as the Southwest Section Representative and hope others are inspired to join our effort.

Social Media. The Wildlife Society Southwest Section Chapters Hub has jumped in 'likes' from 256 to 349 since December. Check us out at <https://www.facebook.com/pages/The-Wildlife-Society-Southwest-Section-Chapters-Hub/205755042835210>. The TWS Women of Wildlife (WOW) Facebook page (<https://www.facebook.com/pages/TWS-Women-of-Wildlife/234411723382592>) is now at 981 likes, up from 926 in December. Find the latest news from the TWS office at the TWS Facebook page with currently over 25,000 likes.



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What's Happening at TWS

Carol Chambers, Southwest Section Rep to Council

WOW. The Southwest Section helped sponsor 2 events for women at the Joint Annual Meeting of the Arizona and New Mexico Chapters of The Wildlife Society and the Texas Chapter TWS meeting. We are forming a WOW committee to bring connections we started at the annual conferences to local levels. At these events we asked participants what they wanted from a WOW network so send me any thoughts you have regarding the direction WOW should take in future to help you or wildlifers you know. Networking, mentoring, and face-time interactions seem to be important to women at all levels of their careers or training.



Carol Chambers (standing, AZ), Erin Saunders (AZ), and Krysten Zummo (NM) organized a lunch and discussion on involvement in the Women of Wildlife (WOW) network at the Joint Annual Meeting of the Arizona and New Mexico Chapters of TWS, 6 February 2015. Women at the lunch provided ideas for expanding the WOW network through mentoring, networking, and training. Photo by Erin Saunders

Selma Glasscock (standing) and Nova Silvy (seated) encourage women attending a Women of Wildlife (WOW) reception to set directions for WOW at the Texas Chapter TWS meeting, 19 February 2015. Photo by Carol Chambers.



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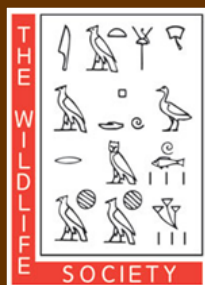
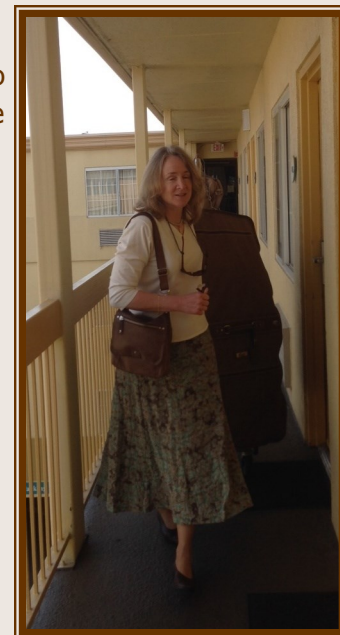
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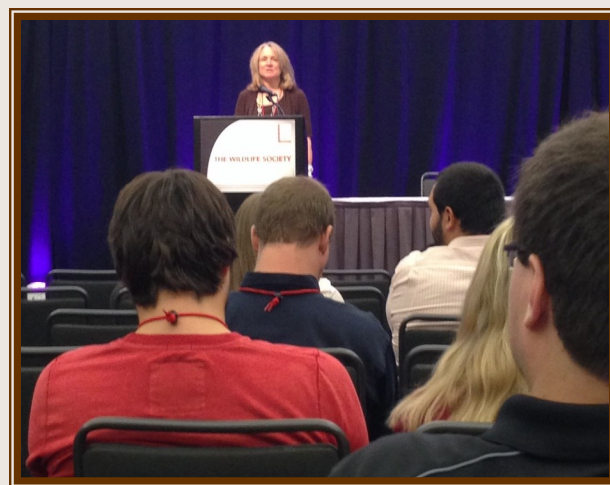
What's Happening at TWS

Carol Chambers, Southwest Section Rep to Council

Farewell. After almost 6 years on Council, I'll be stepping down this October and want to thank you for electing me to this position. I've learned more than I ever imagined, made more connections than I ever expected, and hope I've also been able to benefit the Section as much as being the Rep has benefitted me. I've tried to help by starting the biannual newsletter (now on volume 5), develop a Facebook presence, WOW activities, awards, website, and will continue to work for TWS after my position ends. Benefit from being part of TWS by making sure that you are one of the over 9,000 TWS members. Contact me at Carol.Chambers@nau.edu or 928-523-0014 (office) with any comments or questions. And thank you for allowing me to represent you at TWS.



Carol Chambers and Mark Wallace discussing the advantages of being a member of the Southwest Section of The Wildlife Society with Chapter members at the 2014 Annual Meeting of the Texas Chapter of The Wildlife Society. Photo by Misty Sumner



Carol Chambers giving a riveting IGNITE! presentation at the 2014 TWS Conference. IGNITE! is The Wildlife Society's answer to TED talks. Photo by Misty Sumner

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New Geospatial Advisory Committee

Leland Pierce & Ginny Seamster

In an effort to attract more members to the Southwest Section (SWS), a new committee is being tested out: the Geospatial Advisory Committee. Chaired by SWS past-president **Leland Pierce** (NM) and the president-elect of the New Mexico Chapter, **Ginny Seamster**, the Geospatial Advisory Committee will provide resources for Section members to learn more about how geospatial technology is being employed and applied to wildlife research and management issues across the section (and beyond!), and about current issues related to this technology that might impact wildlife professionals. It will also be a forum for those less well versed in geospatial technology to learn more about resources, employment trends, and training. Such technologies would include but not be limited to Geographic Information Systems (or GIS), remote sensing, Light Detection and Ranging (LiDAR), web mapping, Unmanned Aerial Systems, and spatial modeling. The intent is not to provide a forum for how to use the technology but to focus on the wildlife professionals who use the technology.

To generate interest in participation on the committee-and to encourage folks to become members of the SWS!-a "kick-off" webinar was held on May 12, 2015. The webinar covered current issues, state activities, education and training opportunities, and committee business. For the current issues, two talks were given on the use of geospatial technology to delineate areas of conservation interest. Dr. Bill Sutton of Tennessee State University presented on "Vulnerability of Priority Amphibian and Reptile Conservation Areas in the Northeast U.S. to Climate Change," while Rayo McCollough of Natural Heritage New Mexico Program spoke about "New Mexico Department of Game and Fish State Wildlife Action Plan Revision: Conservation Opportunity Areas." For state activities, Ryan Nosek, Dean Pokrajac, and Richard Lawrence, all from the Arizona Department of Game and Fish, presented on, "Field Data Collection Using the ArcGIS Platform," and **Dr. Ken Boykin** of New Mexico State University spoke about an application allowing students to gather on-site land cover data in the form of photographs. These photographs can then be used to validate satellite imagery. Ken also spoke on "New Mexico View," part of a nationwide, university-based and state-implemented consortium promoting the widespread use of remote-sensing data and technology through education and outreach, workforce development, applied research, and technology transfer to the public and private sectors.

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New Geospatial Advisory Committee

(Continued)

To listen to a recording of the call dial:

PHONE: 605-562-0029

PASSCODE: 634-775-555

RECORDING ID: 2

The chairs of the SWS Geospatial Advisory Committee have been in communication with the chair of the parent society's Spatial Ecology and Telemetry Working Group and both sides are excited about collaborating in the future. A committee call will be held in June to work on logistics like a charter for the committee and the next webinar will be held in July. The webinar will most likely feature a presentation about using geospatial technology to create a common list of Species of Greatest Conservation Need (SGCN) from adjoining states' State Wildlife Action Plans. The currently planned speaker is from the northeastern US, where a multi-state SGCN list has been developed. For more information on the SWS Geospatial Advisory Committee, contact Leland (leland.pierce@state.nm.us) and Ginny (virginia.seamster@state.nm.us).

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### Desert Quail Management Workshop

June 19<sup>th</sup>-20<sup>th</sup>, 2015

Alpine, Texas

Cost: \$10



The Borderlands Research Institute is partnering with Texas Parks and Wildlife to host a Desert Quail Management Workshop on June 19-20, 2015. The workshop will be held at the [Espino Conference Center at Sul Ross State University](#), and will include a field trip to local ranches to view and discuss quail habitat and management strategies.

For more information: <http://bri.sulross.edu/quailworkshop.html>



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## Director's Corner

### LARRY VOYLES

**Director of the Arizona Game and Fish Department**

**lvoyles@azgfd.gov**

Recently, I was following my dog, Opie, through knee high grass in the rolling hills near the Mexican border. Bright and cool, as late winter days in southeast Arizona often are, rains had washed the sky clear, giving the day a richness and depth seldom seen. Standing on an oak-studded ridge I looked far into Mexico, wondering what I might discover there. As Opie dropped into a narrow draw below me and headed toward the mountains not far to the east, I followed expectantly, hoping for a covey of Mearns quail.



A clear rivulet of water twisted and tumbled over a rocky bed. Small ferns poked through moss on the overhangs of boulders. Rough-barked evergreen oaks cast deep shadows. As soon as I entered the drainage, all thought of quail left my mind and the whole of my person was filled with the earthy musk of the riparian and my need to explore. Each newly exposed segment of this small canyon seemed more beautiful than the previous. I was drawn from one bend to the next. The draw narrowed. Soon I found a large pool carved deep into the bedrock. Bright water cascaded noisily into the pool at its head. Taking a seat, I watched Opie add his tracks to those of deer and javelina as he drank. Glancing at my watch I was reminded that I was due back at the vehicle an hour ago, yet I was compelled to see what lay around the next corner. As I paused on the steep slope and longingly looked down on the pool and up to the next bend, the alluring canyon knew I must return someday and follow it to its head.

All of us have experienced similar journeys of discovery. It is woven deep into the essence of what it is to love the outdoors. Recently the Arizona Game and Fish Department embarked on a journey of discovery with a new format for you to interact with Game and Fish and enter the "world of wildlife," referred to simply as the Portal. This new website is more than an online brochure, the Portal is your personal wildlife account, providing important news and information on your Game and Fish Department. Pass through the portal to an experience customized for your particular interests, whether that be wildlife



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## Director's Corner

### LARRY VOYLES

Director of the Arizona Game and Fish Department

[lvoyles@azgfd.gov](mailto:lvoyles@azgfd.gov)

(continued)

watching, how our endangered species are faring, planning your next hunt, or where the crappie are biting. The Portal provides you with quick access to all your Game and Fish account information, your history of licenses, permits, and bonus points. Best of all, the Portal is mobile friendly so you can login and use it from your cellphone, tablet, or computer.

Along with the Portal you will find a new offering in the "I Support Wildlife™" program, which strives to bridge the widening gap between new threats facing wildlife and a sharp increase in the cost of conservation. A one-year membership gives you an inside track to exploring all Arizona has to offer while also doing your part for conservation:

- One year online subscription to our award winning magazine, Arizona Wildlife Views.
- Mobile-device friendly GIS maps of all game management units!"
- Active fish stocking reports that provide you the latest stocking information.



As dedicated wildlife professionals, I invite you to do some exploring of your own. View the Game and Fish Portal at [www.azgfd.gov](http://www.azgfd.gov) Although we see this as a path to the future, remember, this is only the beginning, more features will be added to the Portal soon to better serve you and Arizona's wildlife.

*Photo by Misty Sumner*



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## In Memory

### Charles W. Painter (1949-2015)

We are saddened to report that Charles W. Painter, recently-retired herpetologist for the New Mexico Department of Game and Fish (NMDGF), passed away in Albuquerque on May 12, 2015 after a long struggle with cancer. He was 66 years old.

Charlie grew up in the bayou country of southern Louisiana and the Ozarks of Arkansas where, with the encouragement of his mother, he developed a fascination with wildlife and particularly with amphibians and reptiles. After completing his master's degree at Northeast Louisiana University in 1976, with a thesis on the herpetofauna of Colima, Mexico, he moved to New Mexico where he worked on various field projects in the Southwest involving fishes, small mammals, and of course herps. He also did a two-year study on Chinook salmon in Oregon before returning to New Mexico, the place he truly loved.



In 1985 he was hired as the first (and, to date, only) herpetologist for NMDGF, a position he often described as his "dream job." During his 28-year-long career with the agency, he was involved in field studies and conservation efforts for numerous species listed or being considered for listing under the New Mexico Wildlife Conservation Act or the U.S. Endangered Species Act including Jemez Mountains Salamander, Dunes Sagebrush Lizard, Chiricahua Leopard Frog, New Mexico Ridge-nosed Rattlesnake, and Narrow-headed Garter Snake. He was instrumental in developing regulations for the commercial trade in herpetofauna in the state and conducted extensive research on rattlesnake roundups, a practice he strongly opposed. His work took him all over New Mexico, but he always had a strong preference for the southwestern part of the state, especially the Gila River basin and the Animas Mountains, which he came to know intimately.

Charlie authored or coauthored dozens of journal articles, research notes, and book chapters, but is perhaps best known for the monumental book "Amphibians and Reptiles of New Mexico" which he co-authored with William G. Degenhardt and Andrew H. Price in 1996. Almost 20 years later, this book – which was well-illustrated with Charlie's excellent photos – still stands as one of the most comprehensive volumes on the herpetofauna of any state.

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## In Memory

(Charles W. Painter (1949-2015) continued)

Additional publications of his are still pending, including a chapter on New Mexico for a book on the herpetofauna of the U.S.-Mexico border states. Charlie won the NM Wildlife Professional award twice in his career, first in 1990 and again in 2008, a remarkable accomplishment that speaks to his longevity. Additionally, Charlie won the Alison Haskell award for Excellence in Herpetofaunal Conservation from Partners in Amphibian and Reptile Conservation in 2013.

Charlie's easy-going personality was a key factor in his interactions with other biologists, landowners, resource managers, and the general public, and over his career he acquired an amazing network of friends and collaborators. He was a mentor to many young herpetologists, many of whom worked for him, and served on graduate committees for a number of students who went on to careers in biology. One of his hobbies was blacksmithing and he had planned to pursue a number of metal-work projects in his retirement, when not writing articles on his herpetological research. And, as anyone who ever did fieldwork with him knows, he was an excellent camp chef – a skill he said was crucial if he was to keep his many field assistants happy!

Charlie is survived by his wife Lori, daughter Ashley, brother Robert, and countless friends and associates who will sorely miss him.



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### THE TEAMING WITH WILDLIFE: TRUE TO TEXAS COALITION PRESENTS **THE 2015 ECO-SUMMIT SERIES**



At each Eco-Summit, you'll have a chance to talk about your priorities for your area, and to work with others to advance your goals, and that of natural resources in Texas.

We'll host listening sessions, and facilitate collaboration between local and regional organizations.

**Agenda objectives** · Coalition Introduction · Prioritize Ecoregion Issues and Actions · Increase Collaboration · Discuss Texas Conservation Action Plan · Advance Wildlife Conservation·

[WWW.TEAMINGTXWILDLIFE.COM](http://WWW.TEAMINGTXWILDLIFE.COM)



### REGISTER ONLINE

<http://www.teamingtxwildlife.com/index.php/get-informed>

### TOPICS

- Water conservation
- Habitat
- Fragmentation
- Restoration
- Energy Development

### ATTENDEES

- Coalition Members
- Land Owners
- TPWD Biologists
- Conservation Organizations
- Academia

### FACILITIES

- Phil Hardberger Park
- Urban Ecology Center
- Botanical Research Institute of Texas
- Houston Zoo
- Estero Llano Grande State Park
- Mclvor Center at Davis Mountains Preserve



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# Southwest Section News



## Coming Soon

The Southwest Section helped turn a hope into a reality with a little monetary assistance in the publication of *Amphibians and Reptiles of the United States-Mexico Border States / Anfibios y reptiles de los estados de la frontera México-Estados Unidos* to publication. This, first work on the herpetofauna of the United States and Mexico Border, with chapters written by experts on the amphibians and reptiles from specific states of the border region, is a binational effort. The entire book, written in English and Spanish, will be an important reference for wildlife biologists. Each chapter provides the historical background of herpetological studies in the state, taxa originally described within the state, physiography of the state, distribution of the amphibian and reptile species through the habitats present in the state, and conservation issues for the amphibians and reptiles in the state. A concluding chapter compares the herpetofauna of the Border States to identify states that share species, especially those that occur across the international border. There is an appendix that lists the 646 species of amphibians and reptiles that inhabit the border region by state, are endemic to a specific state, are marine, or introduced. Also included are a total of 600 color photos in high resolution to illustrate the majority of the species reported for the region.

Participating authors are: Randall Babb, Thomas Brennan, James R. Dixon, William L. Farr, Lee Grismer, Bradford D. Hollingsworth, Julio A. Lemos-Espinal, Robert Lovich, Clark R. Mahrtdt, Charles W. Painter, James C. Rorabaugh, Geoffrey R. Smith, Hobart M. Smith, James N. Stuart, and Guillermo A. Woolrich-Piña.

Available June 2015 Texas A&M Press.



*Crotalus scutulatus*  
photo by Julio Lemos-Espinal



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# Southwest Section News



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## Join!



### Membership Application

Membership Fee \$5.00

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Member Type (Please circle one): Student      Regular      Retired

Please include this form with your payment and mail to: Annaliese Scoggin, Secretary/Treasurer, Southwest Section of TWS, Private Lands Biologist, Trans-Pecos Wildlife District, Texas Parks & Wildlife Department, 4500 W. Illinois Ave. Ste 203, Midland, TX 79703

### Membership benefits for the Southwest Section TWS

- SWS TWS Newsletter
- Scholarship opportunities
- Section-level meetings and conferences
- Strengthen your connections to national TWS
- Peer connections through Listserv and [Facebook](#)



#### Current members

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