

**KEVIN V. YOUNG, PhD**  
Professor of Biology  
Sul Ross State University Rio Grande College  
F 209, 205 Wildcat Drive, Del Rio, TX 78840  
830-703-4835 kevin.young@sulross.edu

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## **EDUCATION**

2010 PhD, Biology, Utah State University, Logan, UT  
1995 B.S., Zoology, minor: French, Brigham Young University, Provo, UT

## **PROFESSIONAL EXPERIENCE**

2016-present: Assistant Professor of Biology, Sul Ross State University, Del Rio, TX  
2016-2016: Adjunct Biology Faculty Southwest Texas Junior College, Del Rio, TX  
2011-2014: Biology Professor, Arizona Western College, Yuma, AZ  
2009-2010: Biology Professor, Snow College, Ephraim, UT  
2003-2009: Biology Instructor, Utah State University, Brigham City, UT  
1996-2002: Teaching Assistant, Utah State University, Logan, UT

## **TRAINING AND CERTIFICATION**

2013 Permaculture Design Certificate. The Permaculture Institute, NSW Australia.

## **PROFESSIONAL ASSOCIATIONS**

### *Past memberships*

American Society of Ichthyologists and Herpetologists  
Human Anatomy and Physiology Society  
National Association of Biology Teachers  
Southwestern Association of Naturalists

### *Current memberships*

Partners in Amphibian and Reptile Conservation

## **HONORS, AWARDS, AND LISTINGS**

2006 Outstanding Teacher Achievement Award, Utah State University Brigham City  
2008 Award of Merit in Innovative Use of Technology, Utah System of Higher Education

## **PUBLICATIONS**

Brady, M., Koprowski, J., Gwinn, R., Jo, Y-S., and Young, K.V. 2015. *In review*. Eastern fox squirrel (*Sciurus niger*, Linnaeus 1758) introduction to the Sonoran Desert. *Mammalia*.2015.0162  
Young, K.V., and A.T. Young. 2013. Results and Conclusions From Two Years of Biological Monitoring and Removal Surveys. Final Report submitted to ICF. 34 pp.

- Young, K.V., and R.E. Lovich. 2012. King of Horned Lizards Keeps the Victor's Crown. *Year of the Lizard News*, No. 5, July 2012.
- Young, K.V. 2010 Comparative Ecology of Sympatric Horned Lizards Under Variable Conditions. Dissertation, Utah State University.
- Young, K.V. 2010 Flat-tailed Horned Lizard Pre-construction Surveys on the Imperial Valley Solar Project Site. Report to the Bureau of Land Management. 14 pp.
- Royle, J.A., and K.V. Young. 2008. A Hierarchical Model for Spatial Capture-Recapture Data. *Ecology* Vol 89, No. 8:2281-2289.
- Young, K.V., and J.A. Royle. 2006. Abundance and site occupancy of flat-tailed horned lizard (*Phrynosoma mcallii*) populations in Arizona and California. Report to: U.S. Navy and U.S. Bureau of Reclamation. 21 pp.
- Young, K.V., and A.T. Young. 2005. Indirect Effects of Development on the Flat-tailed Horned Lizard. Final report submitted to AZ Game and Fish Dept., Yuma. 11 pp.
- Kevin V. Young, Edmund D. Brodie III, and Edmund D. Brodie, Jr. 2004. How the Horned Lizard Got its Horns. *Science* 304:65.
- Edmund D. Brodie III, Kevin V. Young, and Edmund D. Brodie, Jr. 2004. How Did the Horned Lizard Get its Horns? Response. *Science* 305:1909-1910.
- Ty J. Gardner, Daniel H. Foley III, Edmund D. Brodie, Jr., and Kevin V. Young. 2004. Barrier Fences Prevent Road Mortalities in the Flat-tailed Horned Lizard (*Phrynosoma mcallii*). *Herpetological Review* 35:250-251.
- Young, K.V., A.T. Young, and H. Spitzer. 2004. Comparison of Three Monitoring Techniques for Flat-tailed Horned Lizards: Trapping Web, Mark-Recapture, and Presence-Absence. Final report submitted to AZ Game and Fish Dept., Yuma. 32 pp.
- Flat-tailed Horned Lizard Interagency Coordinating Committee. 2003. Flat-tailed horned lizard rangewide management strategy, 2003 revision. 78 pp. plus appendices. [coordinated the revision between 13 federal and state agencies and acted as editor of the document]
- Young, K.V. and A.T. Young. 2000. Final report: scientific study of the flat-tailed horned lizard, *Phrynosoma mcallii*. U.S. Dept. of Navy Contracts N68711-95-LT-C0032, N68711-95-LT-C0035. 72 pp.
- Young, K.V. 1999. Final report: scientific study of the flat-tailed horned lizard, *Phrynosoma mcallii*, at Ocotillo Wells SVRA, 1998 Field Season. California State Parks Off-Highway Motor Vehicle Division, Sacramento ,CA. 20 pp.

## RESEARCH AND PROFESSIONAL PRESENTATIONS

- Improving Mark-Recapture Studies: Lessons Learned from Horned Lizards. *Angelo State University BioLunch*, San Angelo, TX. October 2016.
- Creativity as a Means to Problem Solving. Presentation to *Arizona Western College Faculty Development Conference* on critical thinking. February 2013.
- Conservation and management of an almost-listed reptile. Invited presentation at the *37th Annual Meeting and Symposium of the Desert Tortoise Council*. February 2012.
- Comparative Ecology of Sympatric Horned Lizards Under Variable Conditions. Dissertation defense at *Utah State University*. March 2010.
- Use of a Wiki Site to Promote Sustainable Actions Among Students. *Association for the Advancement of Sustainability in Higher Education Conference: Working Together for Sustainability – On Campus and Beyond*. November 2008.
- It's a Wiki World! Instructional Strategies and Technologies presentation to *National Association of Biology Teachers Professional Development Conference*. October 2008.

Nomadic Movements and Lack of Home Range in the Flat-Tailed Horned Lizard (*Phrynosoma mcallii*). *4th Horned Lizard Symposium of the Horned Lizard Conservation Society*, Portal, AZ, 20-21 October 2000.

Horn Length in Horned Lizards: Shrikes as a Selective Agent. *79<sup>th</sup> Annual Meeting of the American Society of Ichthyologists and Herpetologists*, State College, PA, 24-30 June 1999.

Horned Lizard Diet and Drought: A Scat-Based Dietary Comparison of *Phrynosoma mcallii* and *Phrynosoma platyrhinos*. *Current Research on Herpetofauna of the Sonoran Desert*, Phoenix, AZ, 9-10 April 1999.

Scat Analysis of Two Sympatric Species of Horned lizards. Poster presented at the *77<sup>th</sup> Annual Meeting of the American Society of Ichthyologists and Herpetologists*, Seattle, WA, 26 June-2 July 1997.

Road Track Surveys of Black Bears in Utah. Poster presented at the *10<sup>th</sup> International Bear Conference*, Fairbanks, AK, 16-20 July 1995.

## **CONSULTING AND OTHER INVITED PROFESSIONAL PRESENTATIONS**

2001-present *Independent Biological Consultant*

I started a consulting business and have been awarded a variety of contracts related to the Flat-tailed Horned Lizard. As Young Environmental Consulting I have employed and trained field crews, designed research protocols, analyzed data, and written reports. I led the revision of the *Flat-tailed Horned Lizard Rangewide Management Strategy* and coordinated with personnel from 13 state and federal agencies. I won contracts to test three different sampling methods in Arizona and to test indirect effects of agriculture on the lizard populations. I helped University of Arizona with the design of their sampling and monitoring techniques, as well as helped train their field crew. I have conducted mark-recapture studies, scat transects, telemetry, data analysis, and reporting. I have conducted pre-construction surveys, removed Flat-tailed Horned Lizards at an airstrip construction site, and worked as a biological consultant during construction of a solar power plant.

## **GRANTS RECEIVED**

2014 \$10,000. Habitat Improvement Project for the Science, Technology, and Engineering Reptile Shelter. *Arizona Game and Fish Department Heritage Fund*.

2005 \$52,435. Flat-tailed Horned Lizard Combined Presence-Absence and Mark-Recapture Surveys at the Marine Corps Air Station, Yuma, AZ and Presence-Absence Surveys at the Naval Air Facility El Centro, El Centro, CA. *Southwest Division, Naval Facilities Engineering Command*.

## **OTHER AFFILIATIONS AND INVOLVEMENT**

Reviewer for *Herpetological Review*, *Herpetologica*, *Western North American Naturalist*, *Horned Lizard Conservation Society*, and *Southwestern Association of Naturalists*

Volunteer leader for Boy Scouts of America