

# CURRICULUM VITAE

## DANIEL H. FOLEY III, PH.D.

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### PERSONAL INFORMATION

Born: 25 June 1969, Lubbock, Texas  
Married; no children  
Citizenship: USA

#### OFFICE ADDRESS:

Sul Ross State University – Rio Grande College  
Department of Natural & Behavioral Sciences  
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### EDUCATION

Bishop Lynch High School  
Dallas, Texas (1984–1987)

**BS**, Wildlife & Fisheries Sciences, Texas A&M University  
College Station, Texas (1987–1991)

**MS**, Wildlife & Fisheries Sciences, Texas A&M University  
College Station, Texas (1991–1994)

Thesis: Short-term response of herpetofauna to timber harvesting in conjunction with streamside-management zones in seasonally-flooded bottomland-hardwood forests of southeast Texas.

Advisor: Dr. James R. Dixon

**Ph.D.**, Biology/Ecology, Utah State University  
Logan, Utah (1997–2002)

Dissertation: Movement patterns of *Phrynosoma mcallii* and *Phrynosoma platyrhinos* in response to substrate texture.

Advisor: Dr. Edmund D. Brodie, Jr.

### EMPLOYMENT

#### ACADEMIC APPOINTMENTS:

**Chair-Department of Natural & Behavior Sciences (2019-present)**

- Responsible for departmental programs course scheduling
- Responsible departmental budgeting

**Coordinator of University QEP (2017-present)**

- Responsible to QEP development
- Responsible for annual report writing
- Responsible for disseminating QEP information to the RGC campuses

**Professor of Biology (2014 – present)**

Sul Ross State University – Rio Grande College

*Department of Natural & Behavioral Sciences*

- Responsible for the development, implementation and teaching of 6 graduate Biology courses to serve as an area of focus for the Master of Arts degree in College Teaching.
- Responsible for continued teaching of *all* junior/senior level biology courses (*currently 12 courses*) necessary for students to fulfill the necessary requirements for the Bachelor of Sciences degree in Biology.

**Associate Professor of Biology (2009 – 2013)**

Sul Ross State University – Rio Grande College

*Department of Natural & Behavioral Sciences*

- Responsible for continued teaching of *all* junior/senior level biology courses (*currently 12 courses*) necessary for students to fulfill the necessary requirements for the Bachelor of Sciences degree in Biology.

**Assistant Professor of Biology (2003 – 2008)**

Sul Ross State University – Rio Grande College

*Department of Liberal Arts*

- Developed and sought approval from the Texas State Coordinating Board to offer the new degree, Bachelor of Science in Biology, for Sul Ross State University – Rio Grande College.
- Responsible for teaching *all* junior/senior level biology courses (*currently 12 courses*) necessary for students to fulfill the necessary requirements for the Bachelor of Sciences degree in Biology.

**NON ACADEMIC APPOINTMENTS:**

**Biological Science Technician (2007 – 2012)**

Department of the Interior – National Parks Service

*Amistad National Recreation Area*

- Critically review all incoming proposals for scientific inquiry which are to be conducted within the jurisdiction of Amistad National Recreational Area.
- Developed and implemented procedures to help mitigate Largemouth Bass mortality due to catch and release fishing tournaments on Lake Amistad.

**Research Biologist (2002–2003)**

Texas Parks & Wildlife Department—Responsible for conducting and/or coordinating all research activities on five publicly owned Wildlife Management Areas (WMA) in the Post-Oak ecological region of eastern Texas. Properties included the Gus Engeling WMA (10,958 ac.), Richland Creek WMA (13,797 ac.), Big Lake Bottom WMA (2,870), Keechi Creek WMA (1,500 ac.), Cedar Creek Islands WMA (350 ac.).

**Research Biologists - Herpetologist (1995–1997)**

Maryland Department of Natural Resources—Investigated the effectiveness of two different survey techniques (drift fence and time-constrained searches) for deducing amphibian and reptile distributions and abundance within the state of Maryland.

Supervised and trained a team of 12 field technicians.

**ADDITIONAL ACADEMIC APPOINTMENTS**

Member of the graduate faculty, Department of Biology, Sul Ross State University, Alpine, Texas (2013–Present).

**GRADUATE STUDENTS SUPERVISED**

Lizbeth Marquez (M.Sc. 2013 - 2017). A comparison of the ectoparasitic fauna of *Peromyscus* and heteromyidae taxa between Presidio County, Texas, and La Tigra and Cusuco National Parks in Honduras, Central America. Committee member.

Karlee Cork (M.Sc. 2014 - 2017). Ecology of Montezuma Quail in the Capitan Mountains of New Mexico. Committee member

Liz Oaster (M.SC. 2014 - 2017). Ecology of Montezuma Quail in the Capitan Mountains of New Mexico. Committee member

**TEACHING EXPERIENCE**

**Courses I have taught at Sul Ross State University – Rio Grand College** (*all junior/senior level courses*)

- †**BIO 3300 Basic Survey of Sciences (3-0)**. A course designed for non-science majors. This course will introduce students to the basic terminology, concepts, and principals of chemistry, physics, and biology and demonstrate the interrelatedness of these three scientific disciplines.
- †**BIO 3302 Evolution (3-0)**. Origins and evidence for the theory of biological evolution, and its significance for society and science. Prerequisites: Genetics
- †**BIO 3306 Genetics (3-0)**. A comprehensive introduction to the four main areas of modern genetics: Mendelian, cytogenetics, molecular genetics, and population genetics. The historical and philosophical basis for these areas will be dealt with using plant and animal studies. Prerequisite: Biology I or II or equivalent.
- †**BIO 3307 Animal Behavior (3-0)**. The study of feeding, defense, animal orientation, instinctive behavior, learning, communication, social, and sexual behavior with emphasis on evolutionary and ecological relationships. Prerequisite: General zoology or equivalent.
- †**BIO 3406 General Ecology (3-2)**. Study of the interrelationship among organisms and their environments, addressing where and how organisms live. Adaptation, population growth, species interactions, biodiversity, and ecosystem function are explored for a wide variety of organisms and ecosystems. Prerequisites: Biology I & II or their equivalents.
- †**BIO 3407 Vertebrate Natural History (3-2)**. Taxonomy, evolution, and natural history of vertebrates of the world with emphasis on North American and Texas species. Prerequisite: General zoology or equivalent.
- †**BIO 4301 Cell Biology (3-0)**. A study of the particulate morphology and basic physiology of the cell organelles, including basic facts, concepts and problems in modern cellular biology.
- †**BIO 4403 Herpetology (3-2)**. The systematics, phylogeny, natural history and field study of

amphibians and reptiles with emphasis on those found in the southwestern region of Texas. Prerequisite: General zoology or equivalent.

- †**BIO 4404 Ornithology (3-2)**. The systematics, phylogeny, natural history and field study of birds with emphasis on those found in the southwestern region of Texas. Prerequisite: General zoology or equivalent.
- †**BIO 4409 Mammalogy (3-2)**. The systematics, phylogeny, natural history and field study and economic relations of mammals of the world with particular emphasis on those species found in the southwestern region of Texas.
- †**BIO 4415 Desert Ecology (3-2)**. A course dealing with the biology of worldwide deserts with particular emphasis to North American deserts, primarily the Chihuahuan Desert.

†Indicates course which have had multiple offerings

**Graduate Teaching Assistant:** Department of Wildlife & Fisheries Sciences, Texas A&M University

Herpetology (1 semester)

Field Herpetology (1 semester)

**Graduate Teaching Assistant:** Department of Biology, Utah State University (1998-2002)

Field Ecology (1 semester)

Introductory Biology I (2 semesters)

Introductory Biology II (2 semesters)

Human Physiology (3 semesters)

**Public Speaker:** Numerous presentations (> 100) on natural history of amphibians and reptiles to schools, community and nature groups in Texas, Utah and Maryland.

## RESEARCH

### RESEARCH INTERESTS

Behavioral ecology and natural history of vertebrates; special interest on amphibians and reptiles. Mechanisms of species packing and ecological niche differentiation. Conservation biology of amphibian and reptiles. Effects of land use patterns on local vertebrate populations.

### FIELD EXPERIENCE

#### West Texas (1989)

Two weeks radio tracking several mountain lions (*Felis concolor*) in Big Bend Nation Park

#### South Texas (1990)

Three months collecting data on behavioral interactions of 24 collared peccaries (*Tayassu tajacu*) in captivity before translocation to Welder Wildlife Refuge, where the effects of a soft release protocol were observed.

#### Central Texas (1991-1992)

Field work along the Colorado and Conch rivers conducting a long term study of three sympatric species of water snakes (*Nerodia erythrogaster*, *N. harteri*, & *N. rhombifer*).

#### Central Texas (1991-1993)

Field assistant for Drs. J.R. Dixon and Andy Price (TPWD) collecting distributional and habitat data for endangered Houston toads (*Bufo houstensis*).

**Australia (1993)**

One month traveling the northern, eastern and southern portions of the country observing and photographing wildlife.

**East Texas (1991–1994)**

Investigated the effects of several silvicultural practices on local amphibian and reptile populations.

**Maryland (1994–1997)**

Conducted distributional surveys for amphibians and reptiles throughout the state.

**Costa Rica (1995)**

One month of fieldwork assisting Dr. Pam Plotkin in satellite telemetry of Leatherback Sea turtles (*Dermochelys coriacea*).

**Nevada (1997)**

Three months of field work with Dr. Paul Ustach collecting distributional and ecological data on chuckwallas (*Sauromalus obesus*)

**Madagascar (1998–1999)**

Four months of field work with Dr. Ron Nussbaum conducting amphibian and reptile surveys of several remote locales.

**Guatemala and Nicaragua (1999)**

One month with Drs. Jonathan Campbell and Eric Smith conducting amphibian and reptile surveys of several remote locales.

**Southwestern United States (Arizona, California; 1999–2000)**

Two summers collecting distributional and ecological data on horned lizards (*Phrynosoma mcallii* and *P. platyrhinos*)

**West Texas (2011)**

Three months field work with Drs. J.R. Dixon and M.R.J. Forstner collecting distributional and habitat data for the Dunes Sagebrush lizard (*Sceloporus arenicolus*).

**GRANTS**

- 2018 – 2019 USFWS/Texas Parks & Wildlife Department State Wildlife Grants - \$93,720. “Reproductive Biology of the Rio Grande Cooter (*Pseudemys gorzugi*) in Texas” M.R.J. Forstner, D.H. Foley III and P.S. Crump co-PI’s
- 2015 – 2018 USFWS/Texas Parks & Wildlife Department State Wildlife Grants - \$99,807. “Movement Patterns and Habitat Use of the Rio Grande Cooter (*Pseudemys gorzugi*) Within Lotic Ecosystems” M.R.J. Forstner and D.H. Foley III co-PI’s
- 2010 – 2011: Sul Ross State University-Rio Grande College Faculty Enhancement Grants - \$5,800. “Assessing freshwater turtle populations within the Middle Rio Grande Region of Texas.”
- 2008 – 2012: Texas Parks & Wildlife Department Wildlife Diversity Conservation Grants - \$893,108. “Assessing Texas’ Freshwater Turtles.” (Co-investigator)
- 2008 – 2009: Sul Ross State University-Rio Grande College Faculty Enhancement Grants - \$9,500. “Distribution and Population Monitoring of Skunks (Family: Mephitidae) In Southwest Texas.”

- 2006 - 2008: USFWS/Texas Parks & Wildlife Department State Wildlife Grant - \$95,008. “Eradication of invasive suckermouth catfish (*Hypostomus plecostomus*) from San Felipe Creek, Texas and determination of dietary overlap with indigenous fishes.”

#### **PUBLICATIONS** (*all refereed*)

1. **Foley, D.H., III.** 2002. Notes on the effects of a *Trimorphodon biscutatus* bite on a human. *Herpetological Review* 33(3):176–177.
2. **Foley, D.H., III.** 2002. Field observations on the movements and behavior of the Malagasy leaf chameleon *Brookesia therezieni* (Squamata: Chameleonidae). *Herpetological Natural History* 9(1):85–88.
3. Gardner, T.J., **D.H. Foley III**, E.D. Brodie, Jr. and K.V. Young. 2004. Barrier fences prevent road mortalities in the flat-tailed horned Lizard (*Phrynosoma mcallii*). *Herpetological Review* 35(3):250–251.
4. April Jean, Nicole D. Telles, J. Randy Gibson, **Dan Foley**, and Kelly B. Miller. 2012. Description of a New Genus and Species of Stygobiontic Diving Beetle, *Psychopomporus felipi* Jean, Telles, and Miller (Coleoptera: Dytiscidae: Hydroporinae), from the Edwards-Trinity Aquifer System of Texas, USA. *The Coleopterists Bulletin* 66 (2):105-1101.
5. MacLaren, Andrew R., **Dan Foley**, Shashwat Sirsi, and Michael R. J. Forstner. 2016. Updating methods of satellite transmitter attachment towards long-term monitoring of the Rio Grande Cooter (*Pseudemys gorzugi*). *Herpetological Review*. *In press*
6. Sirsi, S., A.R. MacLaren, **D.H. Foley III**, and M.R.J. Forstner. 2016. *Pseudemys gorzugi* (Rio Grande Cooter) Duration of Prolapse in the Wild. *Herpetological Review*. *In Press*

#### **MANUSCRIPTS IN PREPARATION**

1. **Foley, D.H., III.** Does soil texture affect the distribution of *Phrynosoma mcallii* and *Phrynosoma platyrhinos*?
2. **Foley, D.H., III** and S.A. Smith. Herpetofauna inventory methods: drift fence versus time-constrained searches.
3. **Foley, D.H., III.** and J. R. Dixon. Herpetofauna response to timber harvesting practices in seasonally flooded bottomland hardwood forests of southeast Texas.
4. **Foley, D.H., III.** A modified backpack design for attaching spools of thread to lizards.
5. **Foley, D.H., III.** Algal diversity of San Felipe Creek, TX.
6. **Foley, D.H., III.** Shifting ecological niches of skunks in southwest Texas
7. **Foley, D.H., III.** Diet of *Hypostomus plecostomus* in San Felipe Creek, TX

#### **REPORTS**

1. **Foley III, D.H.** 1994. Response of herpetofauna to timber harvesting in seasonally flooded bottomland-hardwood forests of southeast Texas: final report. Temple-Inland Forest Products Co. 92 pp.
2. **Foley III, D.H.** and S.A. Smith. 1999. Comparison of two herpetofaunal inventory methods and an evaluation of their use in a volunteer-based statewide reptile and amphibian atlas project: final report. USGS Cooperative agreement No. 1445-CA-09-95-0029. 68 pp.
3. Gardner, T.J. and **D.H. Foley III.** 2001. Final report: survey for flat-tailed horned lizards, *Phrynosoma mcallii*, at the Naval Air Facility, El Centro, California, U.S. Navy Agreement No. N68711-98-LT-80030. 55 pp.

4. Gardner ,T.J., K.V. Young and **D.H. Foley, III**. 2001. Final report: management-based study of the flat-tailed horned lizard, *Phrynosoma mcallii*. U.S. Bureau of Reclamation Grant Agreement No. 00FG340008. 47 pp.
5. **Foley III, D.H.**, G.P. Garrett. 2009. Eradication of invasive suckermouth catfish (*Hypostomus plecostomus*) and determination of dietary overlap with indigenous fishes in San Felipe Creek, Texas. Texas Parks and Wildlife Department State Wildlife grant No. T-30-P. 16pp.

## AWARDS

- 2016 – SRSU-Rio Grande College Teacher of the Year

## UNIVERSITY SERVICE

- Coordinator, Quality Enhancement Plan (QEP) planning & development for SRSU-RGC (2016 – present)
- Member, Quality Enhancement Plan (QEP) focus committee (2015 – 2016)
- Member, Sul Ross State University-Rio Grande College Faculty Senate (2003 - present)
- Financial Aid Appeals Committee, Sul Ross State University-Rio Grande College (2003 – 2009)
- Faculty Advisor, Society of Biologists student organization (2004 – present)
- President; Sul Ross State University-Rio Grande College Faculty Senate (2009 – 2010)
- Vice President; Sul Ross State University-Rio Grande College Faculty Senate (2014 – present)

## PROFESSIONAL SERVICE

### *Reviewer for Professional Journals*

- The Journal of Wildlife Management
- The Wildlife Society Bulletin
- The Southwestern Naturalists
- North American Journal of Fisheries Management

## COMMUNITY SERVICE

- Committee Member, San Felipe-Del Rio CISD District Science Fair (2003 – present)
- Reviewer, San Felipe-Del Rio CISD science project proposals (2003 – present)
- Judge, San Felipe-Del Rio CISD District Science Fair (2003 – present)

## PRESENTATIONS

Letter, A.W., **D.H. Foley III**, M.R.J. Forstner, and I. Mali. 2017. Variation in body size, body condition, and population structure of western river cooter from New Mexico and Texas. 50th Joint Annual Meeting of the AZ and NM Chapter of the Wildlife Society. Farmington, NM. February 9-11, 2017.

Sirsi, S., MacLaren, A.R., **Foley III., D.H.** and Forstner, M.R.J. 2017. Comparing management implications derived from Capture-Mark-Recapture, Telemetry, and Genetic Frameworks for the Rio Grande Cooter (*Pseudemys gorzugi*). Texas Conservation Symposium, Southwestern University. Georgetown, TX.

Shashwat Sirsi, Andrew MacLaren, **Daniel H. Foley III**, and Michael R.J. Forstner. 2016. Assessing Movement Patterns in the Rio Grande Cooter (*Pseudemys gorzugi*) through Capture-Mark-Recapture, Telemetry and Genetic Frameworks. Texas Herpetological Society Fall 2016 Symposium, Tarleton State University, Stephenville, TX.

Ivana Mali, Andrew W. Letter, **Dan H. Foley III**, and Michael R.J.Forstner. 2016. Differential Population Structure and Body Condition of *Pseudemys gorzugi* between New Mexico and Texas Populations. Texas Herpetological Society Fall 2016 Symposium, Tarleton State University, Stephenville, TX.

**“Barotrauma in Tournament Largemouth Bass and Comparison of Treatment Methods at Amistad Reservoir, Texas”** 142<sup>nd</sup> Annual meeting of the American Fisheries Society, Minneapolis-St. Paul, MN (August 2012)

**“Observations of Skunk (Family: Mephitidae) Automobile Induced Mortality Within the Middle Rio Grande Region of Texas”** 57<sup>th</sup> Annual meeting of the Southwestern Association of Naturalists, Texas Tech University Llano River Field Station, Junction, Texas (April 2010)

**“Diet of an invasive suckermouth catfish (*Hypostomus* sp.) and examination of possible dietary overlap with indigenous fishes in San Felipe creek, Texas”** Joint meeting of the American Society of Ichthyologists and Herpetologists, American Elasmobranch Society, Herpetologists' League and Society for the Study of Amphibians and Reptiles, Oregon State University, Portland, Oregon (July 2009).

**“Eradication of invasive suckermouth catfish (*Hypostomus plecostomus*) and determination of dietary overlap with indigenous fishes in San Felipe creek, Texas”** Texas Parks & Wildlife Department Wildlife Diversity Conference, Houston Zoo, Houston Texas (January 2008)

**“Notes on the daily movements, roosting, and home range of the Malagasy leaf chameleon *Brookesia therezieni*”** Joint meeting of the American Society of Ichthyologists and Herpetologists, American Elasmobranch Society, Herpetologists' League and Society for the Study of Amphibians and Reptiles, The Pennsylvania State University, State College, Pennsylvania (June 1999).

**“Herpetofauna inventory methods: Drift fences vs. time-constrained searches”** Joint meeting of the American Society of Ichthyologists and Herpetologists and Herpetologists' League, New Orleans, Louisiana (July 1996).



**“Determining herpetofaunal species composition: terrestrial drift fence sampling vs. time-constrained searches”**

Annual Meeting of the Society for the Study of Amphibians and Reptiles, Appalachian State University, Boone, North Carolina (August 1995).

**“Effects of timber harvesting with streamside management zones on herpetofauna inhabiting seasonally flooded bottomland hardwood forests in southeast Texas”**

Joint meeting of the Herpetologists' League and Society for the Study of Amphibian and Reptiles, University of Georgia, Athens, Georgia (July 1994).

## **PROFESSIONAL AFFILIATIONS**

- American Association for the Advancement of Science
- The Southwestern Association of Naturalists (*Lifetime member*)
- Texas Academy of Science
- Society for the Study of Amphibians and Reptiles
- Herpetologists' League
- Texas Herpetological Society
- Wildlife Biology Society
- Member of The Declining Amphibian Populations Task Force Southern Plains Working Group

## PERSONAL REFERENCES

The following list of references are intimately familiar with my dedication to higher education and scholarly research and have agreed to discuss the details of my accomplishments in further detail.

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### **Edmund D. Brodie, Ph.D.**

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### **James A. MacMahon, Ph.D.**

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### **Joseph R. Mendelson, Ph.D.**

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### **Michael R. J. Forstner, Ph.D.**

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