

# First Known Occurrence of Amphibian Species in Kansas

EMILY C. MORIARTY  
1230 Wagonwheel Road  
Lawrence, Kansas 66049

JOSEPH T. COLLINS  
*The Center for North American Amphibians and Reptiles*  
1502 Medinah Circle  
Lawrence, Kansas 66047

The following list documents the earliest date of collection for 29 of the 31 species of amphibians known to occur in Kansas, based on Collins (1993). Two complexes, the Western Chorus Frog and Gray Treefrog, each consist of two species that are extremely difficult to distinguish from each other, and this was not attempted. Locality, collector (where known), and location and catalogue number of voucher specimen are also given for each species. Common and scientific names follow those of Collins (1990). Species are listed in the same sequence as they appear in Collins (1993). KU = University of Kansas Natural History Museum herpetology collection; UMMZ = University of Michigan Museum of Zoology herpetology collection; USNM = U.S. National Museum of Natural History herpetology collection. Text in brackets [ ] is that previously published for the specimen, either where it does not agree with collection data or when such data is not available from collection records.

## SALAMANDERS

**Smallmouth Salamander** (*Ambystoma texanum*)  
Locality: Douglas Co: Haskell Bottoms  
Date collected: 12 March 1904  
Collector: F. A. Hartman  
Collection voucher number: KU 952

**Tiger Salamander** (*Ambystoma tigrinum*)  
Locality: Douglas Co: no other data  
Date collected: 1907  
Collector: Unknown  
Collection voucher number: KU 1024

**Eastern Newt** (*Notophthalmus viridescens*)  
Locality: Miami Co: Pigeon Lake area  
Date collected: 21 August 1928  
Collector: Howard K. Gloyd  
Collection voucher number: UMMZ 68385

**Longtail Salamander** (*Eurycea longicauda*)  
Locality: Cherokee Co: Galena, Shoal Creek

Date collected: 8 September 1926  
Collector: R. A. Stirton  
Collection voucher number: KU 6387

**Cave Salamander** (*Eurycea lucifuga*)  
Locality: Cherokee Co: E of Baxter Springs [1.25 mi S Galena]  
Date collected: 21 October 1945  
Collectors: Claude W. Hibbard, Horr, & Hobart M. Smith [E. W. Jameson, Jr.]  
Collection voucher number: KU 23193

**Many-ribbed Salamander** (*Eurycea multiplicata*)  
Locality: Cherokee Co: 3 mi S Galena  
Date collected: 26 April 1967  
Collector: Patrick H. Ireland  
Collection voucher number: KU 153033

**Grotto Salamander** (*Typhlotriton spelaeus*)  
Locality: Cherokee Co: near Riverton [3–5 mi N Baxter Springs near Spring River]  
Date collected: [3–5 April] 1931  
Collectors: [Hobart M. Smith, Edward H. Taylor, William K. McNown, & H. W. Lane]  
Collection voucher number: USNM 134296

**Mudpuppy** (*Necturus maculosus*)  
Locality: Franklin Co: Marais des Cygnes River  
Date collected: March 1911  
Collector: Edward H. Taylor  
Collection voucher number: KU 805

**Red River Mudpuppy** (*Necturus louisianensis*)  
Locality: Greenwood Co: 1 mi W Fall River  
Date collected: 10 April 1932  
Collector: Claude W. Hibbard  
Collection voucher number: KU 16913

## FROGS AND TOADS

**Plains Spadefoot** (*Spea bombifrons*)

Locality: Morton Co: 18 mi N Elkhart  
Date collected: 10 August 1926  
Collectors: Theodore E. White & Edward H. Taylor  
Collection voucher number: KU 5211

**American Toad** (*Bufo americanus*)  
Locality: Douglas Co: Lawrence  
Date collected: 25 April 1904  
Collector: F. A. Hartman  
Collection voucher number: KU 6343

**Great Plains Toad** (*Bufo cognatus*)  
Locality: Trego Co: no other data  
Date collected: July 1909  
Collector: University of Kansas Biological Survey Staff  
Collection voucher number: KU 5899

**Green Toad** (*Bufo debilis*)  
Locality: Grant Co: no other data  
Date collected: August 1911  
Collector: F. X. Williams  
Collection voucher number: KU 5642

**Red-Spotted Toad** (*Bufo punctatus*)  
Locality: Morton Co: 12 mi. N of Elkhart, ca. Walsh's Ranch  
Date collected: 25 June 1927  
Collectors: William H. Burt & H. C. Parker  
Collection voucher number: KU 9100

**Woodhouse's Toad** (*Bufo woodhousii*)  
Locality: Douglas Co: Lawrence, Mt. Oread  
Date collected: 17 May 1904  
Collector: F. A. Hartman  
Collection voucher number: KU 6386

**Northern Cricket Frog** (*Acris crepitans*)  
Locality: Douglas Co: Lawrence  
Date collected: 19 March 1904  
Collector: F. A. Hartman  
Collection voucher number: KU 7918

**Gray Treefrog** (*Hyla chrysoscelis*, *H. versicolor*)  
Locality: Douglas Co: 7.5 mi SW Lawrence  
Date collected: 7 June 1923  
Collector: R. A. Stirton  
Collection voucher number: KU 10717

**Spotted Chorus Frog** (*Pseudacris clarkii*)  
Locality: Rush Co: Nekoma  
Date collected: 12 August 1927  
Collector: Theodore E. White  
Collection voucher number: KU 4509

**Spring Peeper** (*Pseudacris crucifer*)  
Locality: Miami Co: no other data [Pigeon Lake area]  
Date collected: 19 March 1927  
Collector: Howard K. Gloyd  
Collection voucher number: KU 55472

**Strecker's Chorus Frog** (*Pseudacris streckeri*)  
Locality: Harper Co: 2 km W & 9 km S Anthony  
Date collected: 23 April 1977  
Collectors: Eddie Stegall, David Grow, Ed Byrne & Peter Gray  
Collection voucher number: KU 174370

**Western Chorus Frog** (*Pseudacris maculata*, *P. triseriata*)  
Locality: Douglas Co: Twinmound  
Date collected: 27 July 1911  
Collector: Unknown  
Collection voucher number: KU 8072

**Crawfish Frog** (*Rana areolata*)  
Locality: Anderson Co: no other data  
Date collected: August 1910  
Collector: Edward H. Taylor  
Collection voucher number: KU 9275

**Plains Leopard Frog** (*Rana blairi*)  
Locality: Douglas Co: Lawrence  
Date collected: 12 March 1904  
Collector: F. A. Hartman  
Collection voucher number: KU 9556

**Bullfrog** (*Rana catesbeiana*)  
Locality: Dickinson Co: Talmage  
Date collected: 5 September 1905  
Collector: W. R. Robertson  
Collection voucher number: KU 8619

**Green Frog** (*Rana clamitans*)  
Locality: Miami Co: Marais des Cygnes River, ca. Osawatomie  
Date collected: 11 July 1911  
Collector: Unknown  
Collection voucher number: KU 9281  
(Note: this voucher specimen is missing and presumed lost)

**Pickerel Frog** (*Rana palustris*)  
Locality: Crawford Co: Pittsburg [along Cow Creek]  
Date collected: Summer 1911  
Collector: Unknown  
Collection voucher number: KU 9488

**Southern Leopard Frog** (*Rana sphenoccephala*)  
Locality: Miami Co: Osawatomie

Date collected: 17 June 1911  
Collector: Unknown  
Collection voucher number: KU 9625

**Eastern Narrowmouth Toad** (*Gastrophryne carolinensis*)  
Locality: Cherokee Co: 4 mi N Baxter Springs  
Date collected: 27 April 1947  
Collector: E. Beasley  
Collection voucher number: KU 24414

**Plains Narrowmouth Toad** (*Gastrophryne olivacea*)  
Locality: Labette Co: 12 mi SW Oswego, Hackberry Creek  
Date collected: 9 July 1915  
Collector: Victor H. Householder  
Collection voucher number: KU 9904

We thank Kelly J. Irwin (Texas A&M University) for his timely help in obtaining the names of many of the collectors. John E. Simmons (University of Kansas Natural History Museum) generously provided us with the database used in this project.

#### LITERATURE CITED

- Collins, J. T. 1990. *Standard Common and Current Scientific Names for North American Amphibians and Reptiles*. Third edition. SSAR Herpetol. Circ. 19: 1-41.
- Collins, J. T. 1993. *Amphibians and Reptiles in Kansas. Third edition*. Univ. Kansas Nat. Hist. Mus. Pub. Ed. Ser. 13: 1-397.

