

CURRICULUM VITAE (October 2009)

Jean K. Krejca, Ph.D.

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Education:

University of Texas at Austin (UT)
Graduated May 2005: Ph.D. in Ecology, Evolution and Behavior
Supervising professors: Dave Hillis and Dean Hendrickson
Research: Krejca, Jean K. 2005. Stygobite phylogenetics as a tool for determining aquifer evolution.
Dissertation. The University of Texas at Austin. xvi + 99 pp.

Southern Illinois University at Carbondale (SIUC)
Graduated May 1995: BS with honors in Zoology, minor in Chemistry
GPA: 3.872/4.0, magna cum laude

Academic Honors and Awards:

P.E.O. Presidential endowed Scholar, \$8,000, Academic year 2002-2003, awarded summer 2002
Fellow Award of the National Speleological Society, summer 2001
UT Environmental Studies Institute Graduate Fellowship, \$3,000, summer 2001
Ralph Stone Award of the National Speleological Society, \$1,500, spring 2001
UT Continuing Tuition Fellowship, \$3,000, fall 2001-spring 2002
North American Native Fishes Association research award, \$1,000, spring 2001
Sigma Xi, Grants in Aid, \$750, Jan 2001
National Speleological Society, Research Advisory Council, \$750, 2000
Karst Research Grant from Cave Research Foundation \$1,000, 1999
UT Institute for Latin American Studies, Tinker fellowship, \$1575, summer 1999
UT Departmental fellowship, fall 1998 (\$580) spring 1999 (\$780), fall 2000 (\$1,000), spring 2002 (\$1,230)
Phi Kappa Phi national (\$7,000) and regional (\$1,000) fellowship, spring 1997
Among top 5 Graduating Seniors in College of Science, SIUC, spring 1995
Among 25 Most Distinguished Seniors at SIUC, spring 1995
Mitchell Award for best paper presented by an undergraduate at National Speleological Society meeting
Zoology Alumni Scholarship, SIUC, spring 1993
Academic Scholarship, SIUC, fall and spring 1990 and 1991 (covered tuition)

Professional employment:

Zara Environmental LLC: President. This company provides biological consulting and land management services, with a specialty in cave and karst systems. Consulting work includes systematic bio-inventories, rare and endangered species surveys and monitoring, as well as a variety of ecology and conservation research projects in four U.S. states and Mexico (TX, CA, NV, NM). Land management services include monitoring and maintenance of endangered species preserves, particularly related to safely controlling exotic species such as the red imported fire ant, and installation and maintenance of species-friendly cave gates. 6/03 – present.

Illinois Natural History Survey: Karst field services contractor. Performing research and field services for project entitled “Investigation of the potential for red imported fire ant (*Solenopsis invicta*) impacts on rare or endangered karst invertebrates at Fort Hood, Texas.” This research also includes collecting and marking endemic *Plethodon* salamander that occurs on base. 8/01-5/03.

United States Fish and Wildlife Service: Ecologist/Cave Invertebrate Specialist. Provide technical expertise for maintenance of endangered cave species in Texas. Includes extensive work with landowners and developers regarding compliance with the Endangered Species Act. 11/00-5/03.

George Veni and Associates: Karst field services contractor. Performed faunal inventories of caves for endangered species monitoring in Texas. 9/98-5/03.

Professional employment (cont.):

Peter Sprouse, Contractor: Karst field services contractor. Monitored three mitigation caves on a quarterly basis for endangered invertebrates in compliance with USFWS requirements for the Habitat Conservation Plan developed for Lakeline Mall in Williamson Co., TX. 98-5/03.

Macmillan Reference USA (Gale Group), MacGillivray Freeman Films, and Discovery Channel: freelance biology writing, editing, and underground/underwater videography. Projects include dictionary-style reference writing, coffee-table style research descriptions for IMAX/National Geographic book *Caves: Exploring Hidden Realms*, and cave SCUBA video for a TV special entitled: "Gene Hunters: aliens among us". 11/00-11/01

Texas Memorial Museum: Collections Manager and Technical Assistant. Curation of ichthyology and mammalogy collections. 10/97-5/98 and 5/00-8/00

Kentucky Dept. of Fish and Wildlife Resources: Grouse and deer trapper. Studied the life history of the Ruffed Grouse, *Bonasa umbellus*, using trapping, telemetry, and habitat assessment. Also trapped, transported and relocated White-Tail Deer, *Odocoileus virginianus*, for management purposes. 9/96-1/97

North Carolina State Museum: Bat biologist. Performed an inventory of bats using mistnetting and telemetry, with emphasis on Rafinesque's Big-eared Bat, *Plecotus rafinesquii*, and the Southeastern Bat, *Myotis austroriparius*. 8/96

3D/Environmental: Bat biologist, field team leader. Systematically sampled riparian corridors and woodlots for bats. Methods included daytime monitoring of artificial structures, classification of habitat, mistnetting and telemetry. Project sites included habitat mitigation for the Indianapolis International Airport and a natural gas pipeline through Iowa and northern Illinois. 5/96-8/96

Southern Illinois University: Wildlife biologist. Trapped, radio collared, and tracked bobcats in Southern Illinois. Studied home ranges, habitat, and seasonal and daily movement patterns. Prepared data for integration into a GIS system. 4/96-5/96

Southern Illinois University: Fisheries research lab technician. Curation of ichthyology collection. Concurrent with position as Environmental Studies Program secretary, performing database creation and management. 8/95-3/96

Parsons Engineering Science, Inc.: Scientist. Investigated a proposed highway bypass north of Nashville, TN (Briley Parkway) for presence of federally endangered bats for an environmental impact statement. 4/94-5/94

Illinois Natural History Survey: Biologist. Conducted an inventory of cave amphipods, *Gammarus acherondytes*, for a status survey for the U.S. Fish and Wildlife Service. 11/93.

Illinois Natural History Survey: Mammalogist. Conducted a comprehensive faunal inventory of Illinois caves. Funded through Grant EPTF23 from The Environmental Protection Trust Fund Commission administered by the Illinois Department of Energy and Natural Resources. Organized and designed the inventory, and sampled 98 sites for a wide spectrum of fauna (including aquatic and terrestrial invertebrates, fish, herps, birds and mammals) and water quality. Made liaisons with federal, state, and regional organizations to get assistance and permission with many sites. Collaborated on development and maintenance of database and issuance of final publication (see below). 2/92 - 10/93

Illinois Natural History Survey: Mammalogist. Researching distribution of state endangered Southeastern Bat, *Myotis austroriparius*, using mistnetting radio tracking, and cave and mine exploration methods. 5/90 - 8/90

Pollution Control, SIUC: Project manager. Performed the field and laboratory aspects of environmental monitoring of drinking water, storm runoff, groundwater, and industrial and municipal waste. Became certified as an Illinois Environmental Protection Agency Class IV Wastewater Treatment Works Operator. 8/90-1/92

Grants awarded:

2009. Hays County karst invertebrate distribution and cave development. Jean K. Krejca/Hays County. Agency: Texas Parks and Wildlife Department. \$72,085.

2006. Detection probabilities of karst invertebrates. Jean K. Krejca. Agency: Texas Parks and Wildlife Department. \$9,600.

2005. A biological assessment of ten caves in Lava Beds National Monument. Steven J. Taylor and Jean K. Krejca (Co-Principal Investigators). Agency: Lava Beds National Monument, National Park Service, Tulelake, California. Amount Requested: \$18,800 for 1 year (ends April 30, 2006).

Grants awarded (continued):

2005. Examining possible foraging differences in urban and rural cave cricket populations: Preliminary study of carbon and nitrogen isotope ratios ($\delta^{13}\text{C}$, $\delta^{15}\text{N}$) as indicators of trophic level. Steven J. Taylor, Jean K. Krejca, and Keith C. Hackley (Co-Principal Investigators). Agency: Texas Parks and Wildlife Department. \$42,944 for 2.5 years (ends December 1, 2007).

2005. Phylogeography of cave crickets (*Ceuthophilus* spp.) in central Texas: A keystone taxon for the conservation and management of federally endangered cave arthropods. Steven J. Taylor, Jason D. Weckstein, Jean K. Krejca, George Veni, Kevin P. Johnson, and James R. Reddell (Co-Principal Investigators). Agency: Texas Parks and Wildlife Department. \$19,720 for 2.5 years (ends December 1, 2007).

2005. Assessing the Status of *Eurycea* Salamanders and Aquifer Invertebrates in Northern Hays County, Texas. Zara Environmental. Agency: Texas Parks and Wildlife Department. \$9,720.00.

2005. Proposal for a Mark- Recapture study of *Eurycea rathbuni* at three sites in San Marcos, Texas. Zara Environmental. Texas Parks and Wildlife Department. \$9,720.00.

2003. Examining the role of cave crickets (Rhaphidophoridae) in cave ecosystems: Preliminary studies of isotope ratios ($\delta^{13}\text{C}$, $\delta^{15}\text{N}$) and radio tracking. Steven J. Taylor, Keith C. Hackley and Jean K. Krejca. Agency: U. S. Army Engineer Research and Development Center, Champaign, Illinois. \$80,847 for 1 year (ends September 30, 2004).

2002. Inventory of Karst Fauna in Sequoia, Kings Canyon and Yosemite National Parks. Awarded to: Jean K. Krejca. Agency: National Park Service. \$80,892 for 2 years. November, 2002 to March 15, 2005.

2002. A Biological Inventory of Eight Caves in Great Basin National Park. Awarded to: Steven J. Taylor and Jean K. Krejca. Agency: National Park Service. \$15,147 for 8 months. January 2, 2003 to September 30, 2003.

Grant supported/volunteer projects:

U.S. Fish and Wildlife Service, Austin, Texas (Recovery Team member, volunteer) Serving on the Southern Edwards Aquifer Recovery Team that is tasked to form a recovery plan for 8 species in central Texas. March 2009 – present.

Wrangell-St. Elias National Park (grant participant) Karst survey for development of a natural resource monitoring plan. August-September 2008.

Hong Meigui Cave Exploration Society (grant participant) Cave cartography, biological inventory and photography in Wulong, China, 2007-2008. Grant awarded to Western Kentucky University.

British Broadcasting Corporation, Texas and New Mexico (volunteer) Assisted filmmakers with access and in-cave logistics for filming *Eurycea* salamanders of Texas and remote areas within Lechuguilla Cave, New Mexico, for a the Planet Earth episode 4 entitled “Caves” in 2004.

Earthwatch student mentor at CuatroCienegas, Coahuila, Mexico (grant participant) Supervising and teaching high school students field biology techniques in a protected natural area in Mexico. Two weeks duration during each of two visits, August of 2001 and 2002.

Texas Parks and Wildlife Department, Austin, Texas (grant participant) Using funds from Section 6 of the Endangered Species Act to create an educational field guide to the karst invertebrates of central Texas, providing images and editing for the guide. October 2002.

U.S. Fish and Wildlife Service, Austin, Texas (Recovery Team member, volunteer) Serving on the technical subcommittee that is tasked to form a recovery plan for 9 species of cave adapted invertebrates in Bexar County, Texas. January 2002 – present.

Gene mapping of eye development in *Astyanax*, the Mexican Cave tetra (grant participant): Vertical expert. Provided rigging and sampling expertise necessary to collect specimens at remote cave sites. 1/02.

Tongass Cave Project, Kosciusko Island, Southeast Alaska (grant participant and volunteer): Karst specialist. Inventoried karst features on tracts of land slated for timber cutting in order to remove sensitive areas from the sale. June 2001, April-May 2002.

Gunung Buda Project, Sarawak, Malaysia (volunteer): Expedition biologist. Inventoried the biology of caves on a large tract of land owned by the Forestry Department in anticipation of development into a national park with caving as the primary attraction. 1/00 – 3/00

National Park Service, Carlsbad Caverns, New Mexico (volunteer): Cave surveyor and trail maintenance. Performed mapping and maintenance for remote sections of Lechuguilla Cave and Carlsbad Caverns. 1998 to present.

Grant supported/volunteer projects (cont.):

Evolution of the eye in *Astyanax*, the Mexican Cave tetra (grant participant): Vertical expert. Provided rigging and sampling expertise necessary to collect specimens at remote cave sites. 10/00.

National Geographic Society, Belize (grant participant): Cave Biologist. Performed faunal inventories, surveying, and geological sampling of caves in Belize. 5/98, 1/99 and 5/99. See feature in National Geographic Magazine, April 2000, "Chiquibul Cave".

US/Mexico Foundation for Science, Mexico (grant participant): Vertical expert. Provided technical ropework assistance to geologists, divers and biologists in faunal studies of Mexican caves. 3/97

Fish Diversity Inventory, Peru (volunteer): Assisted ichthyologists in Peru, Universidad Nacional de la Amazonia Peruana, and from SIUC. 7/95

Publications in peer reviewed journals:

Baird, A.B., **J.K. Krejca**, J.R. Reddell, C.E. Peden, M.J. Mahoney, and D.M. Hillis. 2006. Phylogeographic Structure and Color Pattern Variation among Populations of *Plethodon albagula* on the Edwards Plateau of Central Texas. *Copeia*. 4: 760-768.

Burr, B.M., G.L. Adams, **J. Krejca**, R.J. Paul and M.L. Warren, Jr. 2001. Cavernicolous sculpins of the *Cottus carolinae* Species Group in Perry County, Missouri: Distribution, External Morphology, and Conservation Status Review. *Environmental Biology of Fishes* 62: 279-296.

Cokendolpher, J.C., J.R. Reddell, S.J. Taylor, **J.K. Krejca**, A.V. Suarez, and C.E. Pekins. 2009. Further ants (Hymenoptera: Formicidae) from caves of Texas. *Texas Memorial Museum Speleological Monographs*, 7.

Czaplewski, N. J., **J. Krejca**, and T. E. Miller. 2003. Late quaternary bats from Cebada Cave, Chiquibul Cave system, Belize. *Caribbean Journal of Science* Vol 39(1):23-33.

Feldhamer, G.A., J.O. Whittaker, **J.K. Krejca** and S.J. Taylor. 1995. Food of the Evening Bat (*Nycticeius humeralis*) and Red Bat (*Lasiurus borealis*) from Southern Illinois. *Transactions of the Illinois State Academy of Science*. Vol. 88:3 and 4, pp. 139-143.

Hendrickson, D.A. and **J. K. Krejca**. 2000. Cavefish and subterranean freshwater biodiversity in northeastern Mexico and Texas. In: *Freshwater Ecoregions of North America: A Conservation Assessment*, edited by R. A. Abell, D. M. Olson, E. Dinerstein, P. T. Hurley, J. T. Diggs, W. Eichbaum, S. Walters, W. Wetengel, T. Allnutt, C. J. Loucks, and P. Hedao, Washington, D.C.: Island Press, p. 41-43.

Hendrickson, D.A., **J.K. Krejca** and J.M.R. Martinez. 2001. Mexican Blindcats, genus *Prietella* (Siluriformes: Ictaluridae): an overview of recent explorations. *Environmental Biology of Fishes* 62: 315-337.

Hofmann, J.E., J.E. Gardner, **J.K. Krejca**, and J.D. Garner. 1999. Summer records and a Maternity Roost of the Southeastern Myotis (*Myotis austroriparius*) in Illinois. *Transactions of the Illinois State Academy of Science*, Volume 92, 1 and 2, pp. 95-107.

Phillips, C.A., S.J. Taylor, J.M. Mui, **J.K. Krejca**, and M.L. Denight. 2004. Slimy Salamanders (Caudata: Plethodontidae) from karst features of South-Central Texas. *Southwestern Naturalist*. In prep.

Shear, W.A., and **J.K. Krejca**. 2007. Revalidation of the milliped genus *Amplaria* Chamberlin 1941 (Diplopoda, Chordeumatida, Striariidae), and description of two new species from caves in Sequoia and Kings Canyon National Parks, California. *Zootaxa* 1532: 23-39.

Shear, William A., Steven J. Taylor, J. Judson Wynne & **Jean K. Krejca**. 2009. Cave millipeds of the United States. VIII. New genera and species of polydesmidan millipeds from caves in the southwestern United States (Diplopoda, Polydesmida, Macrosteronemidae). *Zootaxa* 2151: 47-65.

Taylor, S.J., **J.K. Krejca**, and M.L. Denight. 2005. Foraging range and habitat use of *Ceuthophilus secretus* (Orthoptera: Rhaphidophoridae), a key troglodite in central Texas cave communities. *American Midland Naturalist* 154:97-114.

Taylor, S.J. and **J.K. Krejca**. 1994. Geographic Distribution. *Notophthalmus viridescens louisianensis*. *Herpetological Review* 25(2).

Taylor, S.J. and **J.K. Krejca**. 1994. Geographic Distribution. *Pseudacris triseriata*. *Herpetological Review* 25(2).

Taylor, S.J. and **J.K. Krejca**. 1994. Geographic Distribution. *Rana catesbiana*. *Herpetological Review* 25(2).

Taylor, S. J., **J. K. Krejca**, and B. Churchwell. 1998. Geographic distribution. *Rana clamitans*. *Herpetological Review* 29(2):108.

Taylor, S. J., **J. K. Krejca**, and B. Churchwell. 1998. Geographic distribution. *Nerodia sipedon pleuralis*. Herpetological Review 29(2):115.

Taylor, S. J., **J. K. Krejca**, and B. Churchwell. 1998. Geographic distribution. *Thamnophis sirtalis sirtalis*. Herpetological Review 29(2):116.

Taylor, S. J. **J. K. Krejca**, M. E. Slay, and T. L. Harrison. 2009. Milbert's Tortoiseshell, *Aglais milberti* (Lepidoptera: Nymphalidae): A facultative troglaxene in alpine caves. Speleobiology Notes 1:20-23.

Trajano, E., N. Mugue, **J. K. Krejca**, C. Vidthayanon, D. Smart and R. Borowsky. 2002. Habitat, distribution, ecology and behavior of cave balitorids from Thailand (Teleostei: Cypriniformes). Ichthyological Exploration of Freshwaters 13(2):169-184.

Webb, D. W., L. M. Page, S. J. Taylor, and **J. K. Krejca**. 1998. The current status and habitats of the Illinois Cave Amphipod, *Gammarus archerondytes* Hubricht and Makin (Crustacea: Amphipoda). Journal of Cave and Karst Studies 60(3):172-178.

Technical Reports:

Gardner, J.E., S.J. Taylor and **J.K. Krejca**. 1992. Cave Dwellers. Illinois Natural History Survey Reports No. 318:2-3.

Gluesenkamp, A.G., **J.K. Krejca** and P.S. Sprouse. 2004. Cave management at Camp Bullis 22 September 2003 – 21 March 2004. Report prepared for Texas Cave Management Association. pp. 1-23.

Gluesenkamp, A.G., **J.K. Krejca** and P.S. Sprouse. 2005. Further investigation of Jensen Cave, Williamson County, Texas. Report prepared for Horizon Environmental Services, Inc., 21 September 2005. 10 pp.

Gluesenkamp, A.G. and **J.K. Krejca**. 2009. Assessing the status of *Eurycea* salamanders and aquifer invertebrates in northern Hays County, Texas. Report prepared for Texas Parks and Wildlife Department. 16 pp.

Krejca, J.K. 2003. Inventory of karst fauna in Sequoia, Kings Canyon and Yosemite National Parks, first progress report. Prepared for contract number: P8558602608, September 2003. 4 pp.

Krejca, J.K. 2004. Inventory of karst fauna in Sequoia, Kings Canyon and Yosemite National Parks, second progress report. Prepared for contract number: P8558602608, January 2004. 8 pp.

Krejca, J.K. 2004. Inventory of karst fauna in Sequoia, Kings Canyon and Yosemite National Parks, third progress report. Prepared for contract number: P8558602608, 4 July 2004. 8 pp.

Krejca, J.K. 2004. Invertebrate inventory in Carlsbad Cavern, first progress report. Prepared for contract number: P7170040039, 7 December 2004. 10 pp.

Krejca, J.K. 2005. Diversion Spring Cave. Report prepared for Edwards Aquifer Authority, 17 August 2005. 12 pp.

Krejca, J.K. 2005. Invertebrate inventory in Carlsbad Cavern, second progress report. Prepared for contract number: P7170040039, 3 June 2005. 10 pp.

Krejca, J. K. 2005. Report of biological investigations of Brushy Creek Road Cave, Williamson County, Texas, Highway 183A project. Report prepared for Hicks & Company, 27 November 2005. 21 pp.

Krejca, J.K. 2005. Report of investigations of S-790.53 boring, Highway 183A project. Report prepared for Hicks & Company, 28 February 2005. 7 pp.

Krejca, J.K. 2006. Final report for inventory of karst fauna in Sequoia, Kings Canyon and Yosemite National Parks. Report prepared for National Park Service, 4 August 2006. 156 pp.

Krejca, J.K. 2007. Final report: A biological inventory of two talus caves in Yosemite Valley. Report prepared for National Park Service, 16 February 2007. 24 pp.

Krejca, J.K. 2007. Identification of pseudoscorpions from Indian Cave. Report prepared for National Park Service, 4 December 2007. 5 pp.

Krejca, J.K. and A.G. Gluesenkamp. 2006. Report of Biological Investigations of Abrams Cave (KF11), Highway 183A Project. Report prepared for Hicks & Company, 31 March 2006. 28 pp.

Krejca, J.K. and A.G. Gluesenkamp. 2007. Mark-recapture study of *Eurycea rathbuni* at two sites in San Marcos, Texas. Report prepared for Texas Parks and Wildlife Department. 22 pp.

Krejca, J.K. and G.R. Myers, III. 2005. Impact of commercial activities on macroinvertebrate distribution and foraging in Carlsbad Cavern. Report prepared for Carlsbad Caverns National Park. 39 pp.

Krejca, J.K. and P.S. Sprouse. 2003. Aquatic invertebrate fauna survey at Hueco Springs Creek, Comal County, Texas. Report prepared for Paul Price & Associates. pp. 1-18.

Krejca, J.K. and P. Sprouse. 2005. Biological Investigation of Karst Feature 183A-01, Highway 183A project. Report prepared for Hicks & Company, 28 March 2005. 4 pp.

Technical Reports (continued):

Krejca, J.K. and P.S. Sprouse. 2007. Excavation and biology of Down Dip Sink, Water Treatment Plant 4 Bull Creek Site, Travis County, Texas. Report prepared for Carollo Engineers on 18 May 2007. 21 pp.

Krejca, J.K., P.S. Sprouse and K.M. McDermid. 2008. Second evaluation of cave and karst feature biology on the Cortana Tract, Travis County, Texas. Report prepared for Carollo Engineers on 30 January 2008. 26 pp.

Krejca, J.K., P.S. Sprouse and G.R. Myers, III. 2006. Excavation and biology of caves and karst features on the Cortana Tract, Travis County, Texas. Report prepared for Carollo Engineers on 7 November 2006. 55 pp.

Krejca, J.K. and S. J. Taylor. 2003. A biological inventory of eight caves in Great Basin National Park. Illinois Natural History Survey, Center for Biodiversity Technical Report 2003(27):1-72.

Krejca, J.K. and B. Weckerly. 2007. Detection probabilities of karst invertebrates. Report prepared for Texas Parks and Wildlife Department. 27 pp.

Krejca, J.K. 2009. Endangered Species, Endangered Caves. Guidebook for Field Trip during 15th International Congress of Speleology. 30 pp.

Myers, G. R., III, **J. K. Krejca**. 2006. Cumulative impacts on Golden-cheeked Warblers in Bexar County, Recovery Region 6, Texas. Report prepared for Myfe White Moore and Christopher C. Hill on 3 February 2006. 11 pp.

Myers, R., **J. Krejca**, P. Sprouse. 2004. Cave management at Camp Bullis 22 March 2004 – 21 September 2004. Report prepared for Texas Cave Management Association. pp. 1-14.

Technical Reports (continued):

Myers, G. R., III, P. Sprouse and **J. K. Krejca**. 2004 Annual Report: Community Ecology of Three Caves in Central Texas. Technical report. 30 pp.

Myers, R., P. Sprouse and **J. K. Krejca**. 2005. Community Ecology of Three Caves in Williamson County, Texas: 2000-2003. Technical report, 22 April 2005. 29 pp.

Myers, R., P. Sprouse, **J. Krejca**. 2005. Cave management at Camp Bullis 22 March 2005-22 Sept 2005. Report prepared for Texas Cave Management Association. pp. 1-17.

Myers, G. Robert, III, Peter Sprouse and **J. K. Krejca**. 2008. Excavation and biology of caves and karst features on the Lucas Tract, Travis County, Texas. Report prepared for Carollo Engineers on 23 January 2008. 65 pp.

Sprouse, P. and **J. Krejca**. 2006. Summary of eleven environmental studies in the San Geronimo Valley, Bexar County, Texas. Report prepared for Myfe White Moore and Christopher C. Hill on 22 May 2006. 17 pp.

Sprouse, P. and **J. Krejca**. 2006. Bat cave investigations in Chihuahua, Coahuila, and Sonora, Mexico.. Report prepared for Bat Conservation International on 5 April 2006. 42 pp.

Shade, B.L. and **J.K. Krejca**. 2007. Karst sensitivity map for Hays County. Report prepared for Loomis Austin, Inc., Austin, TX. 25 pp.

Taylor, S. J., Keith Hackley, **J.K. Krejca**, Michael J. Dreslik, Sallie E. Greenberg, and Erin L. Raboin. 2004. Examining the Role of Cave Crickets (Rhopidophoridae) in Central Texas Cave Ecosystems: Isotope Ratios ($\delta^{13}\text{C}$, $\delta^{15}\text{N}$) and Radio Tracking. Illinois Natural History Survey, Center for Biodiversity Technical Report 2004(9):1-128.

Taylor, S. J., **J. K. Krejca**, and K. Hackley. 2007. Examining possible foraging differences in urban and rural cave cricket populations: carbon and nitrogen isotope ratios ($\delta^{13}\text{C}$, $\delta^{15}\text{N}$) as indicators of trophic level. Illinois Natural History Survey Technical Report 2007(59): 1-97.

Taylor, S. J., **J. K. Krejca**, J. E. Smith, V. R. Block, and F. Hutto. 2003. Investigation of the potential for Red Imported Fire Ant (*Solenopsis invicta*) impacts on rare karst invertebrates at Fort Hood, Texas: a field study. Illinois Natural History Survey, Center for Biodiversity Technical Report 2003(28):1-153.

Taylor, S. J., C. A. Phillips, and **J. K. Krejca**. 2005. Population estimates and age class structure of the salamander *Plethodon albagula* (Plethodontidae) at Fort Hood, Texas. Illinois Natural History Survey, Center for Biodiversity Technical Report 2005(19):1-43.

Taylor, S. J., C. A. Phillips, and **J. K. Krejca**. 2007. Prey of cave and surface populations of *Plethodon albagula* (Plethodontidae) at Fort Hood, Texas. Illinois Natural History Survey, Center for Biodiversity Technical Report 2007(48):1-44.

Taylor, S. J., C. A. Phillips, **J. K. Krejca** and M. J. Dreslik. 2006. Population estimates and age class structure of the salamander *Plethodon albagula* (Plethodontidae) at Fort Hood, Texas. Illinois Natural History Survey Technical Report 2006(1):1-52.

Technical Reports (continued):

Taylor, S. J., J. D. Weckstein, D. M. Takiya, **J. K. Krejca**, J. D. Murdoch, G. Veni, K. P. Johnson, and J. R. Reddell. 2007. Phylogeography of cave crickets (*Ceuthophilus* spp.) in central Texas: A keystone taxon for the conservation and management of federally listed endangered cave arthropods. Illinois Natural History Survey Technical Report 2007(58): 1-45.

Veni, G., B.L. Shade, and **J.K. Krejca**, 2007. Report on karst monitoring during construction of U.S. 183A Cedar Park, Texas. Report submitted on 25 August 2007. 701 pp.

Veni, G., B.L. Shade, **J.K. Krejca**, J.R. Reddell, P. Pagoulatos, and P. Sprouse. 2004. Hydrogeological, biological, paleontological, and archeological karst investigations, Camp Bullis, Texas, 2003-2004. Report prepared for Fort Sam Houston. pp. 1-175.

Veni, G., B. L. Shade, P. Pagoulatos, **J.K. Krejca**, J. R. Reddell, A. G. Gluesenkamp, D. Froehlich, and L. Froehlich. 2006. Hydrogeological, biological, archeological and paleontological karst investigations, Camp Bullis, Texas, 1993-2006. pp. 1-2225.

Webb, D.W., S.J. Taylor, and **J.K. Krejca**. 1994. The Biological Resources of Illinois Caves and Other Subterranean Environments. Technical Report ILENR/RE-EH-94/06, Illinois Natural History Survey, Center for Biodiversity. ix + 157 pages.

Published abstracts from presentations given:

Hendrickson, D.A. and **J.K. Krejca**. 1997. Notes on Biogeography, Ecology and Behavior of Mexican Blind Catfish, Genus *Prietella* (Ictaluridae). Selected Abstracts from the 1997 National Speleological Society Convention in Sullivan, Missouri. Journal of Cave and karst Studies, Dec 1997, 59:4, p 166.

Krejca, J.K. 2002. Genetic relatedness of aquifer organisms as a tool for determining aquifer connectedness. In: Martin, J.B., C.M. Wicks and I.D. Sasowsky, eds. Hydrogeology and Biology of Post-Paleozoic Carbonate Aquifers. Proceedings of the symposium Karst Frontiers: Florida and Related Environments, March 6 – 10, 2002, Gainesville, Florida. Special Publication 7 of the Karst Waters Institute, Charlestown, West Virginia, p 157 - 161.

Krejca, J.K., D.A. Hendrickson and S.J. Taylor. 2000. Using *Prietella phreatophila* (Ictaluridae) and other cave organisms to follow groundwater in Texas and México. Proceedings of the Desert Fishes Council. Volume XXXI (1999 Symposium), p 42.

Krejca, J.K., D.A. Hendrickson and S.J. Taylor. 2000. Using Stygobites to Follow Groundwater in Texas and Mexico. In: Selected Abstracts from the 2000 National Speleological Society Convention in Elkins, West Virginia. Journal of Cave and karst Studies, Dec 2000, 62:3, p 187.

Krejca, J.K., S.J. Taylor and L.D. Bertoni. 2000. Exploration in the Sao Vicente System, Goias, Brazil. In: Selected Abstracts from the 2000 National Speleological Society Convention in Elkins, West Virginia. Journal of Cave and karst Studies, Dec 2000, 62:3, p 191.

Published abstracts from presentations given (cont.):

Krejca, J.K., J.R. Reddell, G. Veni, T. Miller. 2000. Fauna of the Chiquibul Caves, Belize. In: Selected Abstracts from the 1999 National Speleological Society Convention in Filer, Idaho. Journal of Cave and Karst Studies 62:1, p 32.

Krejca, J.K. 1998. Recent Exploration in the Purificación Karst. Journal of Cave and Karst Studies, Dec 1998, 60:3, p 186.

Krejca, J.K. and B.M. Burr. 1994. Cavernicolous sculpins of the *Cottus carolinae* species group (Pisces: Cottidae) from Perry County, MO. In: Abstracts of the National Speleological Society, N. D. Peacock (ed.). Journal of Cave and karst Studies, Dec 1994, 56:2, p 106.

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Webb, D.W., S.J. Taylor and **J.K. Krejca**. A biological inventory and water quality analysis of Illinois caves and other subterranean environments. Missouri Academy of Science annual meeting, Cape Girardeau, MO, April 1994 and National Speleological Society annual meeting, Pendleton, OR, August 1993.

Articles in popular journals and books:

- Despain, J., and **J.K. Krejca**. 2009. Finding Cave Invertebrates in the Sierra Nevada. National Speleological Society News, January 2009, 67:1, 9-12.
- Krejca, J.K.**, S.J. Taylor and D.A. Hendrickson. 2000. The Mexican Blindcat Research Team. National Speleological Society News, June 2000, 58:6, 165-171.
- Krejca, J.K.** 2003. Biology of caves on Coronation Island, Alaska. National Speleological Society News, April 2003, 61:4, p 91.
- Krejca, J.K.** 2003. The Mexican Blindcat (*Prietella phreatophila*): Research and Exploration in the Groundwater. American Currents, Summer (Aug.) 2003, 29:3, 5-11.
- Krejca, J.K.** 2000. Caving for Trogllobites. Page 115 *In*: Taylor, M.R. Caves: exploring hidden realms. National Geographic Society, pp 1- 216.
- Taylor, S. J., L. D. Bertoni and **J.K. Krejca**. 1998. Exploration and Suvery of the São Vicente System, Goiás, Brazil. National Speleological Society News, December 1998, 56:12, 347-351.

Presentations at scientific meetings; invited talks at other institutions:

- Krejca, J.K. (leader), C. Watson and R. Gibson. 2009. Endangered Species, Endangered Caves. One day field trip during the 15th International Congress of Speleology (19-26 July, Kerrville, TX).
- Krejca, J.K. (presenter), J.R. Reddell, and G. Veni. 2009. The Cave Fauna of Texas. 15th International Congress of Speleology (19-26 July, Kerrville, TX).
- Krejca, J.K. (presenter), and B. Weckerly. 2009. Detection Probabilities of Karst Invertebrates in Central Texas. 15th International Congress of Speleology (19-26 July, Kerrville, TX).
- Sprouse, P.S. (presenter), and J.K. Krejca. 2009. Karst Invertebrate Habitat and the Role of Excavation. 15th International Congress of Speleology (19-26 July, Kerrville, TX).
- Krejca, J.K. 2009. Problems with Cave Monitoring Data Analysis. Karst Conservation Initiative meeting (21 May, REI Gateway, Austin, TX).
- Krejca, J.K. 2009. Cave Biodiversity Workshop. Two day seminar for U.S. Forest Service and National Park Service at Timpanogos Cave National Monument, May 6-7, Salt Lake City, UT.
- Taylor, S. J. (presenter) , J. K. Krejca, and K. Hackley. 2008. Urban and rural cave invertebrate communities: Isotopic evaluation of trophic structure ($\delta^{13}\text{C}$, $\delta^{15}\text{N}$) and the relationship between taxa richness and cover types in central Texas, U.S.A. 19th International Symposium of Subterranean Biology (21-26 September, Freemantle, Australia).
- Taylor, S. J., J. K. Krejca (presenter), J. Smith, V. Block, and F. Hutto. 2008. Use of caves by *Solenopsis invicta* in relation to karst invertebrates. Karst Conservation Initiative meeting (19 June, Brackenridge Field Lab, Austin, TX).
- Krejca, J.K. (presenter) and J.R. Reddell. 2008. Karst species biodiversity. Karst Conservation Initiative meeting held by USFWS (6 February, Ladybird Johnson Wildflower Center, Austin, TX).
- Krejca, J.K. 2007. Cave Conservation Panel at Cave Conservation Café. U.S. Forest Service special meeting (23 October, USDA South Building, Jefferson Auditorium, Washington, D.C.).
- Krejca, J.K. 2007. The Ecology of Caves. One-half day lecture for Balcones Canyonlands Preserve series, Austin, TX, in August 2007.
- Krejca, J.K. (presenter) and F. Weckerly. 2007. Detection probabilities of karst invertebrates in Central Texas. National Cave and Karst Management Symposium (9-11 October, St. Louis, Missouri).
- Taylor, S. J. (presenter), J. K. Krejca, and M. E. Slay. 2007. Preliminary results of a cave bioinventory at Great Basin National Park. Special Session on Cave Research in the Western United States, Ninth Biennial Conference of Research on the Colorado Plateau, (29 October-1 November, Northern Arizona University, Flagstaff, Arizona).
- Taylor, S. J. (presenter), J. K. Krejca, and J. Jacoby. 2007. Assessing biological resources of caves in Lava Beds national Monument, California. Special Session on Cave Research in the Western United States, Ninth Biennial Conference of Research on the Colorado Plateau, (29 October-1 November, Northern Arizona University, Flagstaff, Arizona).
- Krejca, J.K. 2007. Underwater exploration and salamander tattooing at two caves in Hays County, Texas. Texas Speleological Survey Spring Convention, 14 April 2007, Albert, Texas.
- S. J. Taylor (presenter), J. K. Krejca, and J. Jacoby. 2006. A Biological Assessment of Caves in Lava Beds National Monument, California. National Speleological Society annual meeting (7-11 August, Bellingham, Washington).

Presentations at scientific meetings; invited talks at other institutions (cont.):

- Krejca, J.K. 2006. Karst Invertebrates. Seminar at Austin Butterfly Forum, Zilker Botanical Garden Center, 24 April 2006, Austin, TX.
- Krejca, J.K. 2005. Cave Biology. Public education seminar at Lady Bird Johnson Wildflower Center, 15 October 2005, Austin, TX.
- Krejca, J.K. 2005. Stygobite phylogenetics as a tool for determining aquifer evolution. National Speleological Society annual meeting (4-8 July, Huntsville, Alabama).
- Krejca, J.K. 2005. Bioinventory of Sequoia, King's Canyon and Yosemite National Park Caves. National Speleological Society annual meeting (4-8 July, Huntsville, Alabama).
- Krejca, J.K., and G. Veni. 2005. Recent discoveries in Sorcerer's Cave, Terrell County, Texas. National Speleological Society annual meeting (4-8 July, Huntsville, Alabama).
- Krejca, J.K., S.J. Taylor, C.A. Philips and M. Denight. 2005. Management concerns for cave ecosystems in central Texas. Technical Symposium & Workshop: Threatened, Endangered, and At-Risk Species on DoD and Adjacent Lands (7-9 June, Baltimore, Maryland).
- Taylor, S. J. (presenter), J. K. Krejca, M. L. Denight, K. Hackley, S. E. Greenberg, M. J. Dreslik, J. E. Smith, and M. Muyot. 2005. Structure of cave communities and cave cricket foraging behavior at Fort Hood, Texas. Department of Defense Natural Resources Training Workshop, National Military Fish and Wildlife Association Meeting, (14-17 March, Arlington, Virginia).
- Taylor, S. J. (presenter), J. K. Krejca, and M. L. Denight. 2003. The foraging range of a central Texas cave cricket, *Ceuthophilus secretus* (Orthoptera: Rhaphidophoridae). National Cave and Karst Management Symposium (13-17 October, Gainesville, Florida).
- Taylor, S. J. (presenter), J. K. Krejca, M. L. Denight, and V. Block. 2002. Preliminary report on investigations of Red Imported Fire Ant (*Solenopsis invicta*) impacts on karst invertebrate communities at Fort Hood, Texas. National Speleological Society Convention (24-28 June, Camden, Maine) and Entomological Society of America meeting (17-20 November, Ft. Lauderdale, Florida).
- Krejca, J.K. 2002. "Genetic relatedness of aquifer organisms as a tool for determining aquifer connectedness." Karst Waters Institute conference entitled: Karst Frontiers: Florida and Related Environments, Gainesville, Florida, March 6-10, 2002.
- Krejca, J.K. 2001. "How Much Surface Habitat is Enough? Preserve Design and Application for Cave-Limited Species." National Cave and Karst Management Symposium, Tucson, AZ, October 2001.
- Krejca, J.K. 2000. "Cave Biology." As part of "Speleology for Cavers" course taught at National Speleological Society annual meeting, Elkins, WV, June 2000.
- Krejca, J.K. 2000. "Belize Caving." National Speleological Society annual meeting, Elkins, WV, June 2000.
- Krejca, J.K. 2000. "Using *Prietella phreatophila* (Ictaluridae) and other cave organisms to follow groundwater in Texas and México." XXXI International meeting of the Desert Fishes Council, Cd. Victoria, Tamaulipas, México, November, 1999, and National Speleological Society annual meeting, Elkins, WV, June 2000.
- Krejca, J.K. 1999. "Cave Creatures." Invited talk at Amistad National Recreation Area. Del Rio, TX, February, 1999.
- Krejca, J.K. 1998. "Filogenia de los bagres ciegos del genero *Prietella* e invertebrados troglóbios como indicadores de conexión de acuíferos subterráneos entre México y USA y como herramientas de impacto ambiental." VI Congreso Nacional de Ictiología, Tuxpam, Veracruz, Mexico, October 1998.
- Krejca, J.K. 1997. "Notes on Biogeography, Ecology and Behavior of Mexican Blind Catfish, Genus *Prietella* (Ictaluridae)." National Speleological Society annual meeting, Sullivan, MO, August 1997.
- Krejca, J.K. 1995. "Bats: dispelling myths." Herrin City Library, Herrin, IL, June 1995.
- Krejca, J.K. 1993. "Cavernicolous sculpins of the *Cottus carolinae* species group (Pisces: Cottidae) from Perry County, MO." Missouri Academy of Science annual meeting, Cape Girardeau, MO, April 1994 and National Speleological Society annual meeting, Pendleton, OR, August 1993.
- Krejca, J.K. 1993. "Caves and Bats: fragile resources of the Cache River basin." Cache River Workshop, Carbondale, IL 1993.
- Krejca, J.K. 1993. "The fauna of Illinois caves" Mississippi Karst Tour, Waterloo, IL, April 1993.
- Krejca, J.K. 1992. "Mistnetting and bat handling." University of Illinois, October 1992
- Krejca, J.K. 1992. "Illinois caves and cave life." World of Science Lecture Series, Staerkel Planetarium, Champaign, IL, April 1992.

Activities:

Bicycle touring: AIDS, Cancer, and MS Society charities, and transcontinental tour for alternative energy

Martial Arts: 2nd Dan Blackbelt, Tae Kwon Do, and Aikido Schools of Ueshiba

Diving: Advanced Open Water and Full Cave certified

Caving: National Speleological Society, UT Grotto president (98, 99), Little Egypt Grotto president (91)

Climbing: Sport, Traditional, beginner Aid routes and Alpine

Flying: Ultralight pilot (powered paraglider, powered parachute, US Hang Gliding Association "P2" rating)

Photography: Adventure sport and macro invertebrate specialty