



Department of
Ecology and Evolutionary
Biology

ANNUAL REPORT

2007

University of Kansas

ANNUAL REPORT OF THE DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY 2007

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Harold E. Alexander, Jr., MD, PC
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Chen-Wen Young and Jaems A. Bossart (G80)
Judith and David Brzoska
Cara Burrell (C88 G94)
George L. Callison (G65)
Cheryl and Stephen Cole (G80)
Barbara and Howell Daly (G60)
Douglas Dedo (C65)
James R. and Marlies Eldridge (G84, C84)
Gisela and Norman Fashing (G73)
Christopher G. Fielitz (G99)
Judith Follo (G03)
Marguerite and Edward Frongillo (G72)
Owen and Wendy Gorman (G83 G84)
Janice and Robin Hagan (C80)
Elizabeth N. Hane (G96)
Alaine N. Hudlin (C91)
Ruth Kava (C69)
Robert R. Ireland, Jr. (C56, G57)
Marie Hatch Kukuk
Zhaolang Cheng and Jian Wei Li (G98)
Anne Maglia (G00)
Megan H. Mehaffey (G99)
Dorothy and Ronald McGregor (G53, G54)
Charles and Mary Michener
Thomas W. Pearson (C77, G81)
Thadd R. and Virginia Preisner (G73)
Herbert H. Regier
Beverley and Edward Richards, (G63)
Ronald B. Schiffman (C73, M76)
Gaylea Prichard Silvers (C95)
Pamela S. Soltis (G86)
Toni and Orley Taylor
Michele and Kevin Toal III (C93)
Shuping Ye (G92)

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Byron Alexander Memorial
Raymond H. Beamer Memorial and Scholarship Fund
Chet Calkins and Joe Camin Memorial
John M. Deal Scholarship Fund in Entomology
Florene B. Fratcher Botany Fellowship
George E. Gould Student Assistance Fund
Mary Harkey Hall Award in Plant Biology Fund
H. B. Hungerford Fund

Insect Flight Research Fund
Arthur J. Mix Fund
Donald J. Obee Scholarship
John K. Ostenberg Memorial
Michener Fund in Entomology
Martha M. Pearson Scholarship
Eugenia S. Polson Fund
William C. Stevens Fund
Edward W. Wiederman in EEB

We are deeply appreciative of the extraordinary efforts of Gil Ortiz for his assistance with the report covers.

FACULTY

Alexander, David	Assistant Professor
Alexander, Helen M.....	Professor
Billings, Sharon	Assistant Professor
Brown, Rafe	Assistant Professor
Cartwright, Paulyn	Assistant Professor
deBoer, Gerrit	Associate Professor
deNoyelles, Frank.....	Professor
Dimmick, Walter W.....	Associate Professor
Engel, Michael.....	Associate Professor
Fautin, Daphne G.....	Professor
Foster, Bryan.....	Associate Professor
Gleason, Jennifer	Assistant Professor
Haufler, Christopher H.....	Professor, Interim Chair
Hileman, Lena.....	Assistant Professor
Holder, Mark.....	Assistant Professor
Jander, Rudolf.....	Professor
Jensen, Kirsten	Assistant Professor
Kelly, John K.....	Associate Professor
Krishtalka, Leonard.....	Professor
Macdonald, Stuart.....	Assistant Professor
Martin, Craig E	Professor and Chair
Martin, Larry D.....	Professor
Martinko, Edward A.	Professor
Mort, Mark.....	Associate Professor
Moyle, Robert	Associate Professor
Orive, Maria E	Associate Professor
Peterson, A. Townsend	Professor
Pierotti, Raymond	Associate Professor
Slade, Norman A.....	Professor
Smith, Deborah	Associate Professor
Smith, Val H	Professor
Taylor, Edith L.....	Professor
Taylor, Orley R., Jr.....	Professor
Taylor, Thomas N.....	Professor
Thorp, James H.....	Professor
Timm, Robert M.....	Associate Professor
Trueb, Linda.....	Professor
Ward, Joy	Assistant Professor
Wiley, Edward O	Professor

Courtesy/Adjunct FACULTY

Archibald, Jenny	Adjunct Research Scientist
Burg, J. Gregory.....	Courtesy Assistant Professor
Busby, William H.	Courtesy Assistant Professor
Crawford, Daniel	Adjunct Professor
Eifler, Doug	Adjunct Research Associate
Freeman, Craig C.	Courtesy Associate Professor
Grainier, Bruno	Adjunct Research Associate
Hagen, Robert	Courtesy Assistant Professor
Huggins, Don	Courtesy Professor
Kindscher, Kelly	Courtesy Associate Professor
Krings, Michael	Adjunct Research Scientist
Lieberman, Bruce S.	Courtesy Associate Professor
Martin-Cereceda, Merche (Maria)	Adjunct Research Associate
Midford, Peter E.	Adjunct Research Associate
Schultze, Gloria A.....	Courtesy Research Associate
Smith, Marilyn.....	Adjunct Research Associate
Soberon, Jorge	Courtesy Research Associate
Tourtellot, Michael	Adjunct Assistant Professor
White, Merlin.....	Adjunct Research Associate

Postdoctoral Fellows

Bush, Sarah
 Eaton, Muir
 Eifler, Maria
 Hermsen, Elizabeth
 Houseman, Greg
 Hudman, Stephen
 Preston, Jill
 Reed, Aaron
 Tarr, Ellen
 Zhou, Yihong

Emeritus Faculty

Armitage, Kenneth B.
 Byers, George W.
 Duellman, William E.
 Fitch, Henry S.
 Humphrey, Philip S.
 Johnston, Richard
 Lichtwardt, Robert W.
 Michener, Charles D.
 Torres, Andrew
 Schultze, Hans Peter

GRADUATE STUDENTS

Abe, Francine
Alexander, Blythe
Bayless, Kellis
Becker, Cornelia
Bennett, Daniel
Bentlage, Bastian
Benz, Brett
Bodbyl-Roels, Sarah
Bonaccorso, Elisa
Call, Garrett
Carlson Clarke, Anna
Carroll, Teresa
Cha, Ha-Rim
Chen, Guojun
Chen, Pingfu
Cole, Jeff
Collins, Cathy
Crowther, Andrea
Davis, Matthew
Davis, Steve
Desotelle, Leila
DeVaney, Shannon
Diaz, Raul
Doores, Allison
Emry, David Jason
Esselstyn, Jacob
Evans, Nathaniel
Finch, Debra
Gerhart, Laci
Gong, Qinqin
Gonzalez-Betancourt,
Victor
Gramarye, Justin
Guayasamin, Juan
Manuel
Hinojosa-Diaz, Ismael
Holeski, Liza
Hosner, Peter
Jeng, Ming-Luen
Kellogg, Derek
Khavin, Irene
Koch, Kendra
Kriz, James

Legra, Leo
Levsen, Nick
Linkem, Charles
Long, Quinn
Maher, Sean
Marriage, Tara
McLeod, David
Mickle, Kathryn
Miller, Ginger
Mojica, Julius
Murphy, Cheryl
Najera, Daniel
Nawrocki, Annalise
Nuckolls, Kathleen
Nyari, Arpad
Oaks, Jamie
O'Leary, T. Ryan
Oliveros, Carl
O'Neill, Brian
Owens, Hannah
Palikij, Jason
Papes, Monica
Parsons, Barbara
Pittman, Kendra
Protti, Piero
Questad, Erin
Reed, Alexis
Roach, Katherine
Romero, Andrea
Rosenau, Joshua
Ryberg, Patricia
Samanta Roy, Debosree
Schmidt, Sarah
Schwendemann,
Andrew
Siler, Cameron
Slade, Elizabeth
Sparks, Katherine
Su, Yong-Chao
Sukumaran, Jeet
Swenson, Stephanie
Thomas, Jennifer
Tiemann, Lisa

Topalov, Katarina
Villafuerte, Lynn
Warrit, Natapot
Williams, Bradley
Williams, Daniel
Williams, Richard
York, Heather

**ANNUAL REPORT OF THE
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2007**

Courses Taught by Faculty

Term	Course #	Name of course	Credits	Students
<i>Spring 2007</i>				
	BIOL 100	Prin of Biology	3	964
	BIOL 152	Prin Organisms Biology	4	401
	BIOL 153	Prin Organismal Biol Lab Honors	4	48
	BIOL 240	Fundamentals of Human Antomy	3	374
	BIOL 246	Principles Human Physiology	3	400
	BIOL 350	Principles of Genetics	3	176
	BIOL 408	Physiology of Organisms	3	84
	BIOL 409	Physiology of Organisms, Lab	2	28
	BIOL 412	Evolutionary Biology	3	123
	BIOL 420	Seminar in Chem Cues-Sex Food &	2	20
	BIOL 420	Seminar in Native & Western Views of	3	20
	BIOL 420	Seminar in Freshwater Ecology	3	12
	BIOL 420	Seminar in Integr. Evol. Biol. Into Medicine	1	10
	BIOL 420	Seminar in Natural Resource Management	3	15
	BIOL 423	Non-lab Independent Study	2	2
	BIOL 424	Independent Study	1-9	9
	BIOL 510	Comparative Anatomy	5	20
	BIOL 550	Introduction of Systematics	3	43
	BIOL 599	Sr. Sem. In Evol. of Sex	1	12
	BIOL 603	Systematic Botany Lab	3	11
	BIOL 611	Molecular Systematics & Evolution	4	15
	BIOL 616	Medical Entomology	3	14
	BIOL 630	Conservation & Wildlife Biology	3	25
	BIOL 646	Mammalian Physiology	4	252
	BIOL 661	Stream Ecology	3	21
	BIOL 662	Aquatic Ecology Lab	2	13
	BIOL 701	Topics in Reading Phylogenetic	3	10
	BIOL 701	Topics in Community Assembly Seminar	3	4
	BIOL 701	Topics in Evol Developmental	3	3
	BIOL 701	Topics in Ornithology	1	1
	BIOL 701	Seminar in Native & Western Views of	3	20
	BIOL 701	Seminar in Natural Resource Management	3	15
	BIOL 701	Topics in Global Chge/Eco Phy	2	6
	BIOL 720	Scientific Illustration	3	16
	BIOL 786	Bats & Echolocation (OTS)	5	15
	BIOL 801	Paleobotany and Plant Evolution	1	3
	BIOL 801	Topics in Insect Systematics	1	15
	BIOL 801	Topics in Insect Systematics	1	3
	BIOL 801	EEB Genetics	1	2
	BIOL 840	Scientific Communication	2	7

BIOL 899	Master's Thesis	1-10	3
BIOL 843	Multivariate Data Analysis	3	6
BIOL 999	Doctoral Dissertation	1-12	20
BIOL 985	Advanced Study	1-10	15
GEOL 999	Doctoral Dissertation	7	1
EVRN 615	Environmental Impact Assessment	3	34
EVRN 624	Independent Study	3	3

Summer 2007

BIOL 418	Marine Biology	3	8
BIOL 423	Independent Study, Nonlab	1-9	1
BIOL 424	Independent Study	1-9	6
BIOL 570	Introduction to Biostatistics	3	19
BIOL 801	Paleobotany and Plant Evolution	1	3
BIOL 899	Master's Thesis	1-10	3
BIOL 985	Advanced Study	1-10	13
BIOL 999	Doctoral Dissertation	1-12	15

Fall 2007

BIOL 100	Principles of Biology	3	987
BIOL 101	Principles of Biology HNRS	3	25
BIOL 116	Introduction to Evolutionary Biology	3	16
BIOL 412	Evolutionary Biology	3	75
BIOL 413	History and Diversity of Organisms	3	50
BIOL 414	Principles of Ecology	3	140
BIOL 418	Biology of Honeybees Lab	3	5
BIOL 419	Topics in: Biol & Diversity of Parasites	3	10
BIOL 420	Seminar in Animal Flight Biomech	1	5
BIOL 420	Seminar in Biogeography	3	9
BIOL 420	Seminar in Dinosaur Biology	3	16
BIOL 420	Seminar in Natrl Res Mgmt:Indg Persp	3	15
BIOL 423	Nonlab Independent Study	1-9	9
BIOL 424	Independent Study	3	7
BIOL 500	Biology of Insects	3	9
BIOL 509	Biology of Spiders	2	20
BIOL 570	Introduction to Biostatistics	3	60
BIOL 571	Intro Biostatistics Laboratory	1	17
BIOL 594	Forest Ecosystems	3	18
BIOL 599	Sr. Sem. in Organismal Biology	1	13
BIOL 599	Sr. Sem. in Ecol & Evol Biology	1	10
BIOL 599	Sr. Seminar: Genetics	1	11
BIOL 613	Biology of Honeybees	3	7
BIOL 644	Comparative Animal Physiology	3	12
BIOL 701	Topics in Molecular Clocks	1	7
BIOL 701	Topics in Biogeography	3	9
BIOL 701	Ecology & Evolutionary Biology Seminar	1	11
BIOL 701	Topics in Teaching Effectiveness	1	28
BIOL 701	Topics in The Coalescent	1	8
BIOL 701	Secrets of Academic Success: Grants, Jobs	3	8
BIOL 701	Topics in Politics & Acad Success	3	16
BIOL 701	Scientific Communication	3	8

BIOL 790	Paleontology of Lower Vertebrates	3	6
BIOL 801	Paleobotany and Plant Evolution	1	3
BIOL 801	Plant Physiol. & Development	1	2
BIOL 801	Topics in Systematics-Char Evaluation	1-3	9
BIOL 801	Topics in Ecol. & Evol. Genetics	1	4
BIOL 841	Biometry I	5	16
BIOL 847	Phylogenetics	3	22
BIOL 899	Masters thesis	1-10	1
BIOL 985	Advanced Study	1-10	7
BIOL 999	Doctoral Dissertation	1-12	12
EVRN 460	Field Work in Ecology	4	43
EVRN 149	Principles of Envir. Studies (Honors)	3	100
EVRN 624	Independent Study	3	2
EVRN 625	Honors Research	3	2

Journal Publications of Faculty

ALEXANDER, DAVID

Alexander, D. E.. 2007. Book Review: From cilia to spruce trees: Biomechanics as an ecologist's tool. Review of Herrel, Speck and Rowe: *Ecology and Biomechanics: A Mechanical Approach to the Ecology of Animals and Plants* *Ecology*, 87(12): 3220–3221.

ALEXANDER, HELEN

Alexander, H. M., S. Price, R. Houser, D. Finch and M. Tourtellot. 2007. Is there reduction in disease and predispersal seed predation at the border of a host plant's range? – field and herbarium studies of *Carex blanda*. *Journal of Ecology* 95:446–457.

Moody–Weis, J. and **H. M. Alexander**. 2007. The mechanisms and consequences of seed bank formation in wild sunflowers (*Helianthus annuus*) *Journal of Ecology* 95:851–864.

ARMITAGE, KENNETH B.

Ozgul, A., M. K. Oli, L. E. Olson, D. T. Blumstein, and **K. B. Armitage**. 2007. Spatiotemporal variation in reproductive parameters of yellow–bellied marmots. *Oecologia* 154: 95–106.

BILLINGS, SHARON

Schaeffer, S.M., **S. Billings**, R. D. Evans. 2007. Laboratory incubations reveal potential responses of soil nitrogen cycling to changes in soil C and N availability in Mojave Desert soils exposed to elevated atmospheric CO₂. *Global Change Biology* 13:854–865.

BROWN, RAFE M.

McGuire, J. A., **R. M. Brown**, Mumpuni, A. Riyanto, and N. Andayani. 2007. The flying lizards of the *Draco lineatus* group (Squamata: Iguania: Agamidae): A taxonomic revision with descriptions of two new species. *Herpetological Monographs* 21:180–213.

During 2007, faculty had more than 65 peer–reviewed publications in press.

Dudley, R., G. Byrnes, S. Yanoviak, B. Borrell, **R. M. Brown**, and J. McGuire. 2007. Gliding and the functional origins of flight: biomechanical novelty or necessity? *Annual Review of Ecology and Systematics* 38:179–201.

Wallach, V., **R. M. Brown**, A. C. Diesmos, and G. V. A. Gee. 2007. An enigmatic new species of blind snake from Luzon Island, northern Philippines (Serpentes: Typhlopidae). *Journal of Herpetology* 41:690–702.

Castoe, T. A., E. N. Smith, **R. M. Brown**, and C. L. Parkinson. 2007. Higher–level phylogeny of Asian and American coralsnakes, their placement within the Elapidae (Squamata), and the systematic affinities of the enigmatic Asian coralsnake *Hemibungarus calligaster* (Wiegmann, 1834). *Zoological Journal of the Linnean Society* 151:809–831.

- Brown, R. M.**, A. C. Diesmos, and M. V. Duya. 2007. A new species of *Luperosaurus* (Squamata: Gekkonidae) from the Sierra Madre mountain range of northern Luzon Island, Philippines. *Raffles Bulletin of Zoology* 55:153–160.
- Gaulke, M., H. Roesler, and **R. M. Brown**. 2007. A new species of *Luperosaurus* (Squamata: Gekkonidae) from Panay Island, Philippines, with comments on the taxonomic status of *Luperosaurus cumingii* (Gray, 1845). *Copeia*.
- Brown, R. M.**, and J. C. Gonzales. 2007. A new forest frog of the genus *Platymantis* (Amphibia; Anura: Ranidae) from the Bicol Peninsula of Luzon Island, Philippines. *Copeia* 2007:251–266.
- CARTWRIGHT, PAULYN**
- Cartwright, P.** and A. G. Collins. 2007. Fossils and phylogenies: integrating multiple lines of evidence to investigate the origin of early major metazoan lineages. *Integrative Comp. Biology* 47(5):744–751.
- Cartwright P.**, S. L. Halgedahl, J. R. Hendricks, R. D. Jarrard, A. C. Marques, A. G. Collins. and B. L. Lieberman. (2007) Exceptionally Preserved Jellyfishes from the Middle Cambrian. *PLoS ONE* 2(10): e1121:p.1–9.
- Cartwright, P.** and A. G. Collins. 2007. Class Hydrozoa. In: Daly, M., M. R. Brugler, P. Cartwright, A. G. Collins, M. N. Dawson, S. C. France, C. S. McFadden, D. M. Opresko, E. Rodriguez, S. Romano, and J. Stake, The phylum Cnidaria: A review of phylogenetic patterns and diversity three hundred years after Linnaeus. *Zootaxa* 1668:153–168.
- CRAWFORD, DANIEL J.**
- Mort, M. E., C. P. Randle, J. K. Archibald, N. Levens, T. R. O’Leary, K. Topalov, C. Wiegand, and **D. J. Crawford**. 2007. Inferring phylogeny at low taxonomic levels: utility of rapidly evolving cpDNA and nuclear ITS loci. *American Journal of Botany*, 94: 173–183.
- Prohens, J., F., G. J. Anderson, F. J. Herraiz, G. Bernardello, A. Santos–Guerra, **D. Crawford**, and F. Nuez. 2007. Genetic diversity and conservation of two endangered eggplant relatives (*Solanum vespertilo* and *S. lidii*). *Genetic Resources and Crop Evolution* 54: 451–464.
- Prohens, J., F., G. J. Anderson, G. Bernardello, A. Santos–Guerra, and **D. Crawford**. 2007. AFLP diversity among and within populations of the insular, endemic and endangered *Solanum vespertilio* and *S. lidii*. *Acta Horticulturae* 745: 311–318.
- CUTLER, BRUCE**
- Bradley, R. A., **B. Cutler**, and M. Hodge. 2007. The first records of *Myrmarachne formicaria* in the Americas. *Journal of Arachnology* 34: 483–484.

- Cutler, B.** and L. McCutchen. 2006 (2007). Heavy metals in cuticular structures of Palpigradi, Ricinulei and Schizomida (Arachnida). *Journal of Arachnology* 34: 653–656.
- Cutler, B.** 2007. The identity of the small, widespread, synanthropic *Pholcus* (Araneae, Pholcidae) in the northeastern United States. *Transactions of the Kansas Academy of Science* 110: 129–131.
- ENGEL, MICHAEL S.**
- Engel, M. S.** 2007. A lateral gynandromorph in the bee genus *Thyreus* and the sting mechanism in the Melectini (Hymenoptera: Apidae). *American Museum Novitates* 3553: 1–11.
- Engel, M. S.** 2007. The Zorotypidae of Fiji (Zoraptera). Bishop Museum Occasional Papers 91: 33–38.
- Engel, M. S.** 2007. A new *Amegilla* of the zonata group from Malaysia and Thailand (Hymenoptera: Apidae). *Transactions of the Kansas Academy of Science* 110(1–2): 16–22.
- Engel, M. S.** 2007. A new ctenoplectrine bee from Sulawesi (Hymenoptera: Apidae). *Acta Entomologica Slovenica* 15(1): 31–46.
- Engel, M. S.** 2007. A new species of *Chiasmognathus* from southeastern Pakistan (Hymenoptera: Apidae). *Journal of the Kansas Entomological Society* 80(2): 169–174.
- Engel, M. S.** 2007. Two new augochlorine bees from Ecuador (Hymenoptera: Halictidae). *Acta Entomologica Slovenica* 15(1): 21–29.
- Engel, M. S.** 2007. A new species of *Amegilla* from northeastern Egypt (Hymenoptera: Apidae). *Linzer Biologische Beiträge* 39(2): 821–828.
- Engel, M. S.** 2007. Ferdinand Meunier and the destruction of his Hymenoptera collections. *Entomologist's Gazette* 58(3): 183–184.
- Engel, M. S.,** and D. A. Grimaldi. 2007. Cretaceous Scolebythidae and phylogeny of the family (Hymenoptera: Chrysidoidea). *American Museum Novitates* 3568: 1–16.
- Engel, M. S.,** and D. A. Grimaldi. 2007. The neuropterid fauna of Dominican and Mexican amber (Neuropterida: Megaloptera, Neuroptera). *American Museum Novitates* 3587: 1–58.
- Engel, M. S.,** and D. A. Grimaldi. 2007. New false fairy wasps in Cretaceous amber from New Jersey and Myanmar

- (Hymenoptera: Mymarommatoidea). *Transactions of the Kansas Academy of Science* 110(3–4): 159–168.
- Engel, M. S.**, and F. Haas. 2007. Family–group names for earwigs (Dermaptera). *American Museum Novitates* 3567: 1–20.
- Engel, M. S.**, and K. Krishna. 2007. Drywood termites in dominican amber (Isoptera: Kalotermitidae). *Beiträge zur Entomologie* 57(2): 263–275.
- Engel, M. S.**, and K. Krishna. 2007. New *Dolichorhinotermes* from Ecuador and in Mexican amber (Isoptera: Rhinotermitidae). *American Museum Novitates* 3592: 1–8.
- Engel, M. S.**, and K. Krishna. 2007. *Reticulitermes* Holmgren, 1913 (Insecta, Isoptera): Proposed conservation. *Bulletin of Zoological Nomenclature* 64(4): 230–234.
- Engel, M. S.**, and K. Krishna. 2007. Two overlooked family–group names for fossil termites (Isoptera: Mastotermitidae). *Entomological News* 118(1): 105–106.
- Engel, M. S.**, D. A. Grimaldi, and K. Krishna. 2007. Primitive termites from the Early Cretaceous of Asia (Isoptera). *Stuttgarter Beiträge zur Naturkunde, Serie B, Geologie und Paläontologie* 371: 1–32.
- Engel, M. S.**, D. A. Grimaldi, and K. Krishna. 2007. A synopsis of Baltic amber termites (Isoptera). *Stuttgarter Beiträge zur Naturkunde, Serie B, Geologie und Paläontologie* 372: 1–20.
- Engel, M. S.**, I.A. Hinojosa–Díaz, and O. Yáñez–Ordóñez. 2007. The Augochlora–like *Dialictus* from Guatemala and southern México (Hymenoptera: Halictidae). *Acta Zoológica Mexicana* 23(3): 125–134.
- Anjos–Silva, E. J., dos, **M. S. Engel**, and S. R. Andena. 2007. Phylogeny of the cleptoparasitic bee genus *Exaerete* (Hymenoptera: Apidae). *Apidologie* 38(5): 419–425.
- Baker, D. B., and **M. S. Engel**. 2007. A note on the nomenclature of two *Coelioxys* species (Hymenoptera: Megachilidae). *Entomologist's Gazette* 58(1): 59–62.
- Davis, S. R., and **M. S. Engel**. 2007. Cossonine weevils in Dominican amber (Coleoptera: Curculionidae). *Linzer Biologische Beiträge* 39(2): 803–820.
- Davis, S. R., and **M. S. Engel**. 2007. A new ambrosia beetle in Miocene amber of the Dominican Republic (Coleoptera: Curculionidae: Platypodinae). *Alavesia* 1: 121–124.

- Grimaldi, D. A., and **M. S. Engel**. 2007. Why descriptive science still matters. *BioScience* 57(8): 646–647.
- Hinojosa-Díaz, I. A., and **M. S. Engel**. 2007. A new fossil orchid bee in Colombian copal (Hymenoptera: Apidae). *American Museum Novitates* 3589: 1–7.
- Hinojosa-Díaz, I. A., and **M. S. Engel**. 2007. Two new orchid bees of the subgenus *Euglossella* from Peru (Hymenoptera: Apidae). *Beiträge zur Entomologie* 57(1): 93–104.
- Jeng, M.-L., **M. S. Engel**, and P.-S. Yang. 2007. *Oculogryphus*, a remarkable new genus of fireflies from Asia (Coleoptera: Lampyridae). *American Museum Novitates* 3600: 1–19.
- Jeng, M.-L., P.-S. Yang, and **M. S. Engel**. 2007. The firefly genus *Vesta* in Taiwan (Coleoptera: Lampyridae). *Journal of the Kansas Entomological Society* 80(4): 265–280.
- Liu, Z., **M. S. Engel**, and D. A. Grimaldi. 2007. Phylogeny and geological history of the cynipoid wasps (Hymenoptera: Cynipoidea). *American Museum Novitates* 3583: 1–48.
- Lo, N., **M. S. Engel**, S. Cameron, C. A. Nalepa, G. Tokuda, D. Grimaldi, O. Kitade, K. Krishna, K.-D. Klass, K. Maekawa, T. Miura, and G. J. Thompson. 2007. Spare Isoptera: A comment on Inward *et al.* *Biology Letters* 3(5): 562–563.
- Ohl, M., and **M. S. Engel**. 2007. Die Fossilgeschichte der Bienen und ihrer nächsten Verwandten (Hymenoptera: Apoidea). *Denisia* 20: 687–700.
- Patiny, S., **M. S. Engel**, P. Vanmarsenille, and D. Michez. 2007. A new record of *Thaumastobombus andreniformis* Engel 2001 in Eocene amber (Hymenoptera: Apidae). *Annales de la Société Entomologique de France* 43(4): 505–508.
- Perrichot, V., and **M. S. Engel**. 2007. Early Cretaceous snakefly larvae in amber from Lebanon, Myanmar, and France (Raphidioptera). *American Museum Novitates* 3598: 1–12.
- Ren, D., and **M. S. Engel**. 2007. A split-footed lacewing and two epiosmylines from the Jurassic of China (Neuroptera). *Annales Zoologici* 57(2): 211–219.
- Fautin, D. G.**, T. Zelenchuk, and D. Raveendran. 2007. Genera of orders Actiniaria and Corallimorpharia (Cnidaria, Anthozoa, Hexacorallia), and their type species. In Zhang, Z.-Q. and W. A. Shear (eds.). *Linnaeus Tercentenary: Progress in Invertebrate Taxonomy Zootaxa* 1668: 183–244.

FAUTIN, DAPHNE

- Daly, M., R. B. Mercer, P. Cartwright, A. G. Collins, M. N. Dawson, **D. G. Fautin**, S. C. France, C. S. McFadden, D. M. Opresko, E. Rodriguez, S. L. Romano, and J. L. Stake. 2007. The phylum Cnidaria: A review of phylogenetic patterns and diversity 300 years after Linnaeus. In Zhang, Z.-Q. and W. A. Shear (eds.). Linnaeus Tercentenary: Progress in Invertebrate Taxonomy. *Zootaxa* 1668: 127–182.
- Cairns, S. D., F. M. Bayer, and **D. G. Fautin**. 2007. *Galatheanthemum profundale* (Anthozoa: Actiniaria) in the western Atlantic. *Bulletin of Marine Science* 80(1): 191–200.
- Fautin, D. G.**, C. P. Hickman, Jr., M. Daly, and T. Molodtsova. 2007. Shallow-water sea anemones (Cnidaria: Anthozoa: Actiniaria) and tube anemones (Cnidaria: Anthozoa: Ceriantharia) of the Galápagos Islands. *Pacific Science* 61(4): 549–573.
- FOSTER, BRYAN L.**
- Faculty in the Department of Ecology and Evolutionary Biology had peer-reviewed publications in more than 20 national and international journals in 2007.*
- Foster, B. L.**, C. A. Murphy, K. Keller, T. Aschenbach, E. J. Questad and K. Kindscher. 2007. Restoration of prairie community structure and ecosystem function in an abandoned hayfield: a sowing experiment. *Restoration Ecology* 15 652–661
- Questad, E. J. and **B. L. Foster**. 2007. Vole disturbances and plant diversity in a grassland metacommunity. *Oecologia* 153: 341–351.
- FREEMAN, CRAIG C.**
- Morse, C. A., **C. C. Freeman**, and R. L. McGregor. 2007. New, corrected, and interesting records for the Kansas vascular flora. *Journal of Botanical Research Institute, Texas* 1: 753–761.
- HAUFLER, CHRISTOPHER**
- Haufler, C. H.** 2007. Genetics, phylogenetics, and biogeography: Considering how shifting paradigms and continents influence fern diversity. *Brittonia* 59: 108–114.
- HILEMAN, LENA**
- Drea, S., **L. C. Hileman**, G. de Martino, and V.F. Irish. 2007. Functional analyses of genetic pathways controlling petal specification in poppy. *Development* 134:4157–4166.
- JENSEN, KIRSTEN**
- Caira, J. N., **K. Jensen**, and C. Rajan. 2007. Seven new *Yorkeria* species (Cestoda: Tetracyllidea) from Borneo and Australia and their implications from Bamboo shark identification. *Journal of Parasitology* 93(2): 357–376.
- KELLY, JOHN**
- Kelly, J. K.** 2007. Mutation–selection balance in mixed mating populations. *Journal of Theoretical Biology* 246:345–365.
- KINDSCHER, KELLY**
- Foster, B. L., C. A. Murphy, K. Keller, T. Aschenbach, E. J. Questad and **K. Kindscher**. 2007. Restoration of prairie community

structure and ecosystem function in an abandoned hayfield: a sowing experiment. *Restoration Ecology* 15: 652–661.

Long, Q. and **K. Kindscher**. 2007. A Comparison of the Influence of Disturbance Regimes on Native Forbs (Kansas). *Ecological Restoration* 25: 129–30.

Price, D. H. and **K. Kindscher**. 2007. One Hundred Years of *Echinacea angustifolia* Harvest in the Smoky Hills of Kansas, USA. *Economic Botany* 61: 86–95.

Stotts, Caleb, M. Palmer, and **K. Kindscher**. 2007. The Need for Savanna Restoration in the Cross Timbers. *Oklahoma Native Plant Record* 7:78–90.

Weber, M., C. Knov, **K. Kindscher**, R. Brown, S. Niemann, and J. Chapman. 2007. Identification of Medicinally Active Compounds in Prairie Plants by HPLC Coupled to Electron Impact–Mass Spectrometry. *American Laboratory* 39: 9–11.

KRINGS, MICHAEL

Dotzler, N., T. N. Taylor and **M. Krings**. 2007. A prasinophycean alga of the genus *Cymatiosphaera* in the Early Devonian Rhynie chert. *Review of Palaeobotany and Palynology* 147: 106–111.

Fleischmann, A., **M. Krings**, H. Mayr and R. Agerer. 2007. Structurally preserved polypores from the Neogene of North Africa: *Ganodermites libycus* gen. et sp. nov. (Polyporales, Ganodermataceae). *Review of Palaeobotany and Palynology* 145: 159–172.

Krings, M., N. Dotzler, T. N. Taylor and J. Galtier. 2007. A microfungus assemblage in *Lepidodendron* from the Upper Viséan (Carboniferous) of central France. *Comptes Rendus Palevol* 6: 431–436.

Krings, M., H. Kerp, H. Hass, T. N. Taylor and N. Dotzler. 2007. A filamentous cyanobacterium showing structured colonial growth from the Early Devonian Rhynie chert. *Review of Palaeobotany and Palynology* 146: 265–276.

Krings, M., S. D. Klavins, S. Lausberg, M. Barthel, R. Serbet, T. N. Taylor and E. L. Taylor. 2007. *Perissothallus*, a new genus for Late Pennsylvanian–Early Permian noncalcareous algae conventionally assigned to *Schizopteris* (aphleboid foliage). *Botanical Journal of the Linnean Society* 153: 477–488.

Krings, M., T. N. Taylor, H. Hass, H. Kerp, N. Dotzler and E. J. Hermsen. 2007. An alternative mode of early land plant colonization by putative endomycorrhizal fungi. *Plant Signaling and Behavior* 2(2): 125–126.

- Krings, M.**, T. N. Taylor, H. Hass, H. Kerp, N. Dotzler and E. J. Hermsen. 2007. Fungal endophytes in a 400-million-yr-old land plant: infection pathways, spatial distribution, and host responses. *New Phytologist* 174: 648–657.
- Pott, C., H. Kerp and **M. Krings**. 2007. Morphology and epidermal anatomy of *Nilssonia* (cycadalean foliage) from the Upper Triassic of Lunz (Lower Austria). *Review of Palaeobotany and Palynology* 143: 197–217.
- Pott, C., H. Kerp and **M. Krings**. 2007. *Pseudoctenis cornelii* nov. spec. (cycadalean foliage) from the Carnian (Upper Triassic) of Lunz, Lower Austria. *Annalen des Naturhistorischen Museums in Wien, Serie A* 109: 1–17.
- Pott, C. and **M. Krings**. 2007. First record of circinate vernation in bennettitalean foliage. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* 245(3): 315–321.
- Pott, C., **M. Krings** and H. Kerp. 2007. A surface micro-relief on the leaves of *Glossophyllum florinii* (?Ginkgoales) from the Upper Triassic of Lunz, Austria. *Botanical Journal of the Linnean Society* 153(3): 87–95.
- Pott, C., **M. Krings** and H. Kerp. 2007. First record of *Nilssoniopteris* (Gymnospermophyta, Bennettitales) from the Carnian (Upper Triassic) of Lunz, Lower Austria. *Palaeontology* 50(5): 1299–1318.
- Pott, C., J. H. A. van Konijnenburg-van Cittert, H. Kerp and **M. Krings**. 2007. Revision of the *Pterophyllum* species (Cycadophytina: Bennettitales) in the Carnian (Late Triassic) flora from Lunz, Lower Austria. *Review of Palaeobotany and Palynology* 147: 3–27.
- MACDONALD, STUART**
- Macdonald, S. J.**, and A. D. Long, 2007 Joint estimates of Quantitative Trait Locus effect and frequency using synthetic recombinant populations of *Drosophila melanogaster*. *Genetics* 176: 1261–1281.
- Long, A. D., P. Beldade, and **S. J. Macdonald**, 2007 Estimation of population heterozygosity and library construction induced mutation rate from expressed sequence tag collections. *Genetics* 176: 711–714.
- Gruber, J. D., A. Genissel, **S. J. Macdonald**, and A. D. Long, 2007 How repeatable are associations between polymorphisms in *achaete-scute* and bristle number variation in *Drosophila*? *Genetics* 175: 1987–1997.
- MARTIN, CRAIG**
- Martin, C. E.**, T.-C. Lin, C.-C. Hsu, S.-H. Lin. 2007. No effect of host tree species on the physiology of the epiphytic orchid *Bulbophyllum japonicum* in a subtropical rain forest in

northeastern Taiwan. *Taiwan Journal of Forest Science*. 22: 341–351.

MARTIN, LARRY D.

Faculty in the Department of Ecology and Evolutionary Biology served on the editorial boards of more than 35 national and international journals in 2007.

L. C. Natarajan, A. L. Melott, B. M. Rothschild, and **L. D. Martin**. 2007. Bone cancer rates in dinosaurs compared with modern vertebrates. *Transactions of the Kansas Academy of Science*. 110(3/4): 155–158.

Feduccia, A., **L. D. Martin**, and S. Tarsitano. 2007. *Archaeopteryx*: Quo Vadis? *The Auk*. 124(2): 373–380.

Feduccia, A., **L. D. Martin**, and S. Tarsitano. 2007. Reply to Mayr and Peters. *The Auk* 124(3): 7.

Martin, L. D. 2007. Paying Gould Tribute. *Bioscience*. 57(9): 796–797.

Martin, L. D. 2007. Amniote paleobiology: perspectives on the evolution of mammals, birds, and reptiles. *The Quarterly Review of Biology*. 82(3): 267–268.

MORT, MARK

Dr. Mark Mort received the William T. Kemper Award for Teaching Excellence in 2007.

Mort, M. E., J. K. Archibald, C. P. Randle, N. D. Levens, T. R. O’Leary, K. Topalov, C. M. Wiegand, and D. J. Crawford. 2007. Utility of rapidly-evolving loci for inferring phylogeny at low taxonomic levels. *American Journal of Botany* 94: 173–183.

Mort, M. E., D. E. Soltis, P. S. Soltis, J. Francisco–Ortega, and A. Santos–Guerra. 2007. Physiological evolution and association between physiology and growth form in *Aeonium* (Crassulaceae). *Taxon* 56: 453–464.

MOYLE, ROBERT G.

Moyle, R. G., J. Fuchs, E. Pasquet, and B. D. Marks. 2007. Feeding behavior, toe count, and the phylogenetic relationships among alcedinine kingfishers. *Journal of Avian Biology* 38: 317–326.

Marks, B. D., J. D. Weckstein and **R. G. Moyle**. 2007. Molecular phylogenetics of the bee-eaters (Aves: Meropidae) based on nuclear and mitochondrial DNA sequence data. *Molecular Phylogenetics and Evolution* 45: 223–32.

Zhou, F, H. C. Lim, B. D. Marks, **R. G. Moyle**, and F. H. Sheldon. Molecular phylogenetic analysis of the Grey-cheeked Fulvetta (*Alcippe morrisonia*) of China and Indochina: a case of remarkable genetic divergence in a “species.” *Molecular Phylogenetics and Evolution* 44: 165–174.

Peterson, A. T., **R. G. Moyle**, A Nyari, M. B. Robbins, R. T. Brumfield and JV Remsen Jr. The need for proper vouchering in phylogenetic studies of birds. *Molecular Phylogenetics and Evolution* 45: 1042–1044.

- Ribas, C. C., **R. G. Moyle**, C.Y. Miyaki, and J. Cracraft. 2007. The assembly of montane biotas: linking Andean tectonics and climatic oscillations to independent regimes of diversification in *Pionus* parrots. *Proceeding of the Royal Society of London B* 274: 2399–2408.
- Sodhi, N. S., D. Astutui, A. C. Diesmos, P. Ericson, N. Fernandopulle, S. Kotagama, E. Kudavidenege, H. C. Lim, B. Lee, S. L. H. Lim, Y. Lin, D. J. Lohman, W. Meekvichai, H. Miranda, **R. G. Moyle**, P. Ong, K. A. Pan, D. Prawiradilaga, M. A. Rahman, A. Rahmani, F. H. Sheldon, M. Y. Stoeckle, S. Sulandari, L. K. Wang, and K. Winker. Barcoding Indo–Malayan birds. *Raffles Bulletin of Zoology*. 55(2): 397–398.
- PETERSON, A. TOWNSEND**
- Banks, W. E., F. d'Errico, **A. T. Peterson**, M. Vanhaeren, M. Kageyama, P. Sepulchre, G. Ramstein, A. Jost, and D. Lunt. 2007. Human ecological niches and ranges during the LGM in Europe derived from an application of eco–cultural niche modeling. *Journal of Archaeological Science* 35: 481–491.
- Batalden, R. V., K. S. Oberhauser, and **A. T. Peterson**. 2007. Ecological niches in sequential generations of eastern North American monarch butterflies: The ecology of migration and likely climate change implications *Environmental Entomology* 36: 1365–1373.
- Brisbin Jr., I. L., and **A. T. Peterson**. 2007. Playing chicken with Red Junglefowl: Identifying phenotypic markers of genetic purity in *Gallus gallus*. *Animal Conservation* 10: 429–435.
- De Meyer, M., M. P. Robertson, **A. T. Peterson**, and M. W. Mansell. 2007. Ecological niches and potential geographic distributions of Mediterranean fruit fly (*Ceratitidis capitata*) and Natal fruit fly (*Ceratitidis rosa*). *Journal of Biogeography* 35: 270–281.
- Gillam, J. C., D. G. Anderson, and **A. T. Peterson**. 2007. A continental–scale perspective on the peopling of the Americas: Modeling geographic distributions and ecological niches of Pleistocene populations. *Current Research in the Pleistocene* 24: 19–22.
- Graham, C. H., J. Elith, R. Hijmans, A. Guisan, **A. T. Peterson**, B. A. Loiselle, and NCEAS Species Distribution Modeling Group. 2008. The influence of spatial errors in species occurrence data used in distribution models. *Journal of Applied Ecology* 45: 239–247.
- Guisan, A., J. Elith, C. H. Graham, S. J. Phillips, **A. T. Peterson**, and N. E. Zimmermann. 2007. What matters for predicting spatial

- distributions of trees: Techniques, data, or species' characteristics? *Ecological Monographs* 77: 615–630.
- Kluza, D. A., D. A. Vieglais, J. K. Andreasen, and **A. T. Peterson**. 2007. Sudden oak death: Ecological niche modeling provides estimate of risk and predictions of origins. *Plant Pathology* 56: 580–587.
- Lira–Noriega, A., J. Soberón, A. G. Navarro–Sigüenza, Y. Nakazawa, and **A. T. Peterson**. 2007. Scale–dependency of diversity components estimated from primary biodiversity data and distribution maps. *Diversity and Distributions* 13: 185–195.
- Nakazawa, Y., R. Williams, **A. T. Peterson**, P. Mead, E. Staples, and K. L. Gage. 2007. Climate change effects on plague and tularemia in the United States. *Vector Borne and Zoonotic Diseases* 7: 529–540.
- Navarro–Sigüenza, A. G., A. Lira–Noriega, **A. T. Peterson**, A. Oliveras de Ita, and A. Gordillo–Martínez. 2007. Diversidad, endemismo y conservación de las aves. in I. Luna, J. J. Morrone, and D. Espinosa, editors. *Biodiversidad de la Faja Volcánica Transmexicana*. Las Prensas de Ciencias, Mexico, D. F.
- Pennington, D. D., D. Higgins, **A. T. Peterson**, M. B. Jones, B. Ludäscher, and S. Bowers. 2007. Ecological niche modeling using the Kepler workflow system. Pages 91–108 in I. J. Taylor, E. Deelman, D. B. Gannon, and M. Shields, editors. *Workflows for e–Science*. Springer, Berlin.
- Peterson, A. T.** 2007c. Ecological niche modelling and understanding the geography of disease transmission. *Veterinaria Italiana* 43: 393–400.
- Peterson, A. T.** 2007. Geographic variation in size and coloration in the *Turdus poliocephalus* complex. *Scientific Papers of the University of Kansas Natural History Museum* 40: 1–17.
- Peterson, A. T.** 2007. Why not WhyWhere: The need for more complex models of simpler environmental spaces. *Ecological Modelling* 203: 527–530.
- Peterson, A. T.**, B. W. Benz, and M. Papeş. 2007. Highly pathogenic H5N1 avian influenza: Entry pathways into North America via bird migration. *PLoS ONE* 2: e261.
- Peterson, A. T.**, R. T. Brumfield, R. G. Moyle, A. Nyari, J. V. Remsen, Jr., and M. B. Robbins. 2007. The need for proper vouchers in phylogenetic studies of birds. *Molecular Phylogenetics and Evolution* 45: 1042–1044.

- Peterson, A. T.**, and E. Martínez–Meyer. 2007. Geographic evaluation of conservation status of African forest squirrels (Sciuridae) considering land use change and climate change: The importance of point data. *Biodiversity and Conservation* 16: 3939–3950.
- Peterson, A. T.**, and Y. Nakazawa. 2007. Environmental data sets matter in ecological niche modeling: An example with *Solenopsis invicta* and *Solenopsis richteri*. *Global Ecology and Biogeography* 17: 135–144.
- Peterson, A. T.**, and Á. Nyári. 2007. Ecological niche conservatism and Pleistocene refugia in the Thrush–like Mourner, *Schiffornis* sp., in the Neotropics. *Evolution* 62: 173–183.
- Peterson, A. T.**, M. Papeş, D. S. Carroll, H. Leirs, and K. M. Johnson. 2007c. Mammal taxa constituting potential coevolved reservoirs of filoviruses. *Journal of Mammalogy* 88: 1544–1554.
- Peterson, A. T.**, M. Papeş, and M. Eaton. 2007d. Transferability and model evaluation in ecological niche modeling: A comparison of GARP and Maxent. *Ecography* 30: 550–560.
- Peterson, A. T.**, R. Williams, and G. Chen. 2007. Modeled global invasive potential of Asian gypsy moths (*Lymantria dispar*). *Entomologia Experimentalis et Applicata* 125: 39–44.
- Rosa–Freitas, M. G., P. Tsouris, **A. T. Peterson**, N. A. Honório, F. S. M. d. Barros, D. B. d. Aguiar, H. d. C. Gurgel, M. E. d. Arruda, S. D. Vasconcelos, and J. F. Luitgards–Moura. 2007. An ecoregional classification for the state of Roraima, Brazil: The importance of landscape in malaria biology. *Memórias do Instituto Oswaldo Cruz* 102: 349–358.
- Ullah, M. I., G. Amarnath, M. S. R. Murthy, and **A. T. Peterson**. 2007. Mapping the geographic distribution of *Aglaia bourdillonii* Gamble (Meliaceae), an endemic and threatened plant, using ecological niche modeling. *Biodiversity and Conservation* 16: 1917–1925.
- Waltari, E., S. Perkins, R. Hijmans, **A. T. Peterson**, Á. Nyári, and R. Guralnick. 2007. Locating Pleistocene refugia: Comparing phylogeographic, fossil and ecological niche model predictions. *PLoS ONE* 2: e563.
- Reed, A. W. and **N. A. Slade**. 2007. Demography and environmental stochasticity: Empirical estimates of survival in three grassland rodents. *Journal of Zoology* 272: 110–115.

SLADE, NORMAN

- Cummins, T., and **N. A. Slade**. 2007. Summer captures of *Reithrodontomys megalotis* in elevated traps. *Southwestern Naturalist* 52:79–82.
- SMITH, DEBORAH**
- Suppasat, T., **D. R. Smith**, S. Deowanish, and S. Wongsiri. 2007. Matrilineal origins of *Apis mellifera* in Thailand. *Apidologie* 38: 323–334.
- Tan, K., N. Warrit, and **D. R. Smith**. 2007 Mitochondrial DNA diversity of Chinese *Apis cerana*. *Apidologie* 38: 238–246.
- SMITH, VAL H.**
- Smith, V. H.** 2007. Microbial diversity–productivity relationships in aquatic ecosystems. *FEMS Microbiology Ecology* 62: 181–186.
- Hall, S. D., M. A. Leibold, D. A. Lytle, and **V. H. Smith**. 2007. Grazers, producer stoichiometry, and the light:nutrient hypothesis revisited. *Ecology* 88: 1142–1152.
- Smith, V. H.** 2007. Host resource supplies influence the dynamics and outcome of infectious disease. *Integrative and Comparative Biology* 47: 310–316.
- Dzialowski, A. R., **V. H. Smith**, and J. T. Lennon. 2007. Food web structure provides biotic resistance against plankton invasion attempts. *Biological Invasions* 9: 257–267.
- Horner–Devine, M. C., J. Silver, M. A. Leibold, B. J. M. Bohannan, R. Colwell, J. Furhman, J. Green, C. Kuske, J. B. Hughes Martiny, L. Øvreas, A. L. Reysenbach,, **V. H. Smith**, and G. Muyzer. 2007. A comparison of taxon co–occurrence patterns for macro– and microorganisms. *Ecology* 88: 1345–1353.
- Smith, V. H.** 2007. Using primary productivity as an index of coastal eutrophication: the units of measurement matter. *Journal of Plankton Research* 29: 1–6.
- TAYLOR, EDITH L.**
- Hermsen, E. J., T. N. Taylor, and **E. L. Taylor**. 2007. A voltzialean pollen cone from the Triassic of Antarctica. *Review of Palaeobotany and Palynology* 144(3–4): 113–122.
- Krings, M., S. D. Klavins, M. Barthel, S. Lausberg, R. Serbet, T. N. Taylor, and **E. L. Taylor**. 2007. *Perissothallus*, a new genus for Late Pennsylvanian–Early Permian non–calcareous algae conventionally assigned to *Schizopteris* (aphleboid foliage). *Botanical Journal of the Linnean Society* 153: 477–488.
- Ryberg, P. E., **E. L. Taylor**, and T. N. Taylor. 2007. Secondary phloem anatomy of *Cycadeoidea* (Bennettitales). *American Journal of Botany* 94(5): 791–798.

Axsmith, B. J., **E. L. Taylor**, and T. N. Taylor. 2007. The “New Approach to Corystospermales” and the Antarctic Fossil Record: A Critique. *Ameghiniana* 44(1): 223–230.

Taylor, E. L., and P. E. Ryberg. 2007. Tree growth at polar latitudes based on fossil growth ring analysis. *Palaeogeography, Palaeoclimatology, Palaeoecology* 255: 246–264.

Hermesen, E. J., T. N. Taylor, **E. L. Taylor**, and D. W. Stevenson. 2007. Cycads from the Triassic of Antarctica: Permineralized cycad leaves. *International Journal of Plant Sciences* 168(7): 1099–1112.

Taylor, E. L., and S. T. Hasiotis. 2007. Change is good, isn't it? *Palaios*, 22(1): 1–2.

Taylor, E. L., T. N. Taylor, and P. E. Ryberg. 2007. Ovule-bearing reproductive organs of the glossopterid seed ferns from the Late Permian of the Beardmore Glacier Region, Antarctica. *In*: Cooper, A. K., C. R. Raymond, et al., 2007. Antarctica: A Keystone in a Changing World—Online Proceedings of the 10th ISAES ed., U.S. Geological Survey Open File Report 2007–1047, Short Research Paper 082; doi: 10.3133/1047.srp082.

TAYLOR, ORLEY

Kevan, P. G., D. Eisikowitch, W. Kinuthia, P. Martin, E. C. Mussen, U. Partap, **O. R. Taylor**, R. W. Thorp, C. H. Vergara, and K. Winters. 2007. Why high quality hive products are important to agriculture. *Bee World*.

TAYLOR, THOMAS N.

Axsmith, B. J., E. L. Taylor, and **T. N. Taylor**. 2007. The New approach to Corystospermales and the Antarctic fossil record: A critique. *Ameghiniana* 44(1): 223–230.

Hermesen, E. J., **T. N. Taylor**, and E. L. Taylor. 2007. A voltzialean pollen cone from the Triassic of Antarctica. *Review of Palaeobotany and Palynology* 144(3–4): 113–122.

Hermesen, E. J., **T. N. Taylor**, E. L. Taylor, and D.W. Stevenson. 2007. Cycads from the Triassic of Antarctica: Permineralized cycad leaves. *International Journal of Plant Sciences* 168(7): 1099–1112.

Ryberg, P. E., E. L. Taylor, and **T. N. Taylor**. 2007. Secondary phloem anatomy of *Cycadeoidea* (Bennettitales). *American Journal of Botany* 94(5): 791–798.

Krings, M., **T. N. Taylor**, H. Hass, H. Kerp, N. Dotzler, and E. J. Hermesen. 2007. Fungal endophytes in a 400-million-yr-old land plant: infection pathways, spatial distribution, and host responses. *New Phytologist* 174(3): 648–657.

- Krings, M., **T. N. Taylor**, H. Hass, H. Kerp, N. Dotzler, and E. J. Hermsen. 2007. An alternative mode of early land plant colonization by putative endomycorrhizal fungi. *Plant Signaling and Behavior* 2(2): 126–126.
- Krings, M., H. Kerp, H. Hass, **T. N. Taylor**, and N. Dotzler. 2007. A filamentous cyanobacterium showing structured colonial growth from the early Devonian Rhynie chert. *Review of Palaeobotany and Palynology* 146: 265–276.
- Krings, M., S. D. Klavins, M. Barthel, S. Lausberg, R. Serbet, **T. N. Taylor**, and E. L. Taylor. 2007. *Perissothallus*, a new genus for Late Pennsylvanian–Early Permian non–calcareous algae conventionally assigned to *Schizopteris* (aphleboid foliage). *Botanical Journal of the Linnean Society* 153: 477–488.
- Krings, M., N. Dotzler, **T. N. Taylor**, and J. Galtier. 2007. A microfungus assemblage in *Lepidodendron* from the upper Viséan (Carboniferous) of central France. *Comptes Rendus Palevol* 6: 431–436.
- Dotzler, N., **T. N. Taylor**, and M. Krings. 2007. A prasinophycean alga of the genus *Cymatiosphaera* in the Early Devonian Rhynie chert. *Review of Palaeobotany and Palynology* 147: 106–111.
- Taylor, E. L., **T. N. Taylor**, and P. E. Ryberg. 2007. Ovule-bearing reproductive organs of the glossopterid seed ferns from the Late Permian of the Beardmore Glacier Region, Antarctica. In: Antarctica: A Keystone in a Changing World: Online Proceedings of the 10th (International Symposium on Antarctica Earth Sciences (ISAES), ed., A.K. Cooper, C.R. Raymond, et al., U.S. Geological Survey Open File Report 2007–1047, Short Research Paper 082; doi: 10.3133/of2007 1047.srp082
- THORP, JAMES H.**
- Moore, S. L. and **J. H. Thorp**. 2007. Coping with hydrogeomorphic variations in a prairie river: resiliency in young-of-the-year fishes. *River Research and Applications*.
- Casper, A.F. and **J. H. Thorp**. 2007. Diel and lateral patterns of zooplankton distribution in the St. Lawrence River. *River Research and Applications* 23(1): 73–86.
- TIMM, ROBERT M.**
- McCain, C. M., **R. M. Timm**, and M. Weksler. 2007. Redescription of the enigmatic long-tailed rat *Sigmodontomys aphrastus* (Cricetidae: Sigmodontinae) with comments on taxonomy and natural history. *Proceedings of the Biological Society of Washington* 120(2): 117–136.
- Timm, R. M.** and D. K. McClearn. 2007. The bat fauna of Costa Rica's Reserva Natural Absoluta Cabo Blanco and its

implications for bat conservation. University of California Publications in *Zoology* 134: 303–352.

McDonough, M. M., L. K. Ammerman, **R. M. Timm**, H. H. Genoways, P. A. Larsen, and R. J. Baker. 2008. Speciation within bonneted bats (genus *Eumops*): The complexity of morphological, mitochondrial, and nuclear datasets in systematics. *Journal of Mammalogy* 89(5): 29 ms. pages.

Timm, R. M., and M. Losilla. 2007. Orb-weaving spider, *Argiope savignyi* (Araneidae), predation on the proboscis bat *Rhynchonycteris naso* (Emballonuridae). *Caribbean Journal of Science* 43(2): 282–284.

TRUEB, LINDA

Lehr, E., and **L. Trueb**. 2007. A new genus and two new species of microhylid frogs from Andean Peru, with osteological descriptions and comparisons with *Nelsonophryne* (Anura: Microhylidae). *Zoological Journal of the Linnean Society*, 149: 583–609.

Guayasamin, J. M., and **L. Trueb**. 2007. A new species of Glass Frog (Anura: Centrolenidae) from the lowlands of northwestern Ecuador, with comments on centrolenid osteology. *Zootaxa*, 1447: 27–45.

Lehr, E., **L. Trueb**, P. J. Venegas, and E. Arbeláez. 2007. Descriptions of the tadpoles of two Neotropical microhylid frogs, *Melanophryne carpish* and *Nelsonophryne aequatorialis* (Anura: Microhylidae). *Journal of Herpetology* 4:581–589.

WARD, JOY

Springer, C. J. and **J. K. Ward**. 2007. Flowering time and elevated CO₂. Invited Tansley Review. *New Phytologist* 176: 243–255.

WILEY, EDWARD O.

Miya, M., N. I. Holcroft, T.P. Satoh, M. Yamaguchi, M. Nishida and **E.O. Wiley**. 2007. Mitochondrial genome and a nuclear gene indicate a novel phylogenetic position of deep-sea tube-eye fish (Stylephoridae). *Ichthyological Research* 54: 323–332.

Wiley, E. O. 2007. Species concepts and their importance in fisheries management and research. *Trans. American Fisheries Society*, 136(4): 1126–1135.

Chen, P. E. **O. Wiley**, and K. M. McNyset. 2007. Ecological niche modeling as a predictive tool: silver and bighead carps in North America. *Biological Invasions* 9: 43–51.

Faculty Publications in Press

ARMITAGE, KENNETH B.

Borrego, N., A. Ozgul, **K. B. Armitage**, D. T. Blumstein & M. K. Oli. 2008. Spatiotemporal variation in survival of male yellow-bellied marmots. *Journal of Mammalogy* 89.

Oli, M. K. & K. B. Armitage. 2008. Indirect fitness benefits do not compensate for the loss of direct fitness in yellow-bellied marmots. *Journal of Mammalogy* 89.

BILLINGS, SHARON

Billings, S., S. E. Ziegler. In press. Altered patterns of soil carbon substrate usage and heterotrophic respiration in a pine forest with elevated CO₂ and N fertilization. *Global Change Biology*.

Haavik, L., F. Stephen, M. Fierke, V. Salisbury, S. Leavitt, **S. A. Billings**. In press. Tree ring $\delta^{13}\text{C}$ and historical growth patterns as indicators of Northern red oak (*Quercus rubra* Fagaceae) susceptibility to red oak borer (*Enapholodes rufulus* (Haldeman) (Coleoptera: Cerambycidae)), *Forest Ecology and Management*.

Billings, S., and E. Gaydess. In press. Soil nitrogen and carbon dynamics in a fragmented landscape experiencing forest succession, *Landscape Ecology*.

BROWN, RAFE M.

Linkem, C. W., J. A. McGuire, C. J. Hayden, M. I. Setiadi, D. Bickford, and **R. M. Brown**. In press. A new species of bent-toed gecko (Gekkonidae: *Cyrtodactylus*) from Sulawesi Island, eastern Indonesia. *Herpetologica*.

Brown, R. M. In press. Frogs of island archipelagos. In: Rice, G., and D. Clague (Eds.) *Encyclopedia of Islands*. University of California Press, Berkeley.

Brown, R. M., A. C. Diesmos, and A. C. Alcala. In press. Philippine amphibian biodiversity is increasing in leaps and bounds. Pp. Xx–xx In: Stuart, S.N., Hoffmann, M., Chanson, J.S., Cox, N.A., Berridge, R, Ramani, P. and Young B.E. eds. *Threatened Amphibians of the World*. Lynx Ediciones, with IUCN - The World Conservation Union, Conservation International, and NatureServe, Barcelona.

Ron, S., and **R. M. Brown**. In press. Filling the black hole: challenges in taxonomy to protect amphibians. Pp. Xx–xx In: Stuart, S.N., Hoffmann, M., Chanson, J.S., Cox, N.A., Berridge, R, Ramani, P. and Young B.E. eds. *Threatened Amphibians of the World*. Lynx Ediciones,

During 2007, faculty had more than 65 peer-reviewed publications in press.

with IUCN - *The World Conservation Union*,
Conservation International, and
NatureServe, Barcelona.

Brown, R. M. In press. Book Review of: McKay, J. L.
Field Guide to the Amphibians and Reptiles of Bali
(Kreiger Publishing, FL.). *Quarterly Review of Biology*.

Bain, R., Biju, S.D., **Brown, R.**, Das, I., Diesmos, A., Dutta,
S., Gower, D., Inger, R., Iskandar, D., Kaneko, Y., Lau,
M.W.N., Meegaskumbura, M., Ohler, A., Papenfuss, T.,
Pethiyagoda, R., Stuart, B., Wilkinson, M. and Xie, F.
In press. Amphibians of the Indomalayan Realm. In:
Stuart, S.N., Hoffmann, M., Chanson, J.S., Cox, N.A.,
Berridge, R., Ramani, P. and Young B.E. eds.
Threatened Amphibians of the World. Lynx Ediciones,
with IUCN - The World Conservation Union,
Conservation International, and NatureServe, Barcelona.

CARTWRIGHT, PAULYN

Collins, A.G., B. Bentlage, D. Lindsay, S. H. D. Haddock,
A. Lindner, J. L. Norenburg, G. Jarms, T. Jankowski,
and **P. Cartwright**. In press. Phylogenetics of
Trachylina (Cnidaria, Hydrozoa). *Journal Marine*
Biology Association.

CRAWFORD, DANIEL J.

Mort, M. E., C. P. Randle, R. T. Kimball, Mesfin Tadesse,
and **D. J. Crawford**. 2008. Phylogeny of Coreopsidae
(Asteraceae): Insights from Nuclear and Plastid
Sequences. *Taxon* 57: 1-12.

Huang, M., **D. J. Crawford**, J. V. Freudenstein, and P. D.
Cantino. In press. Systematics of *Trichostema*
(Lamiaceae): evidence from ITS, *ndhF*, and
morphology. *Systematic Botany*.

*Faculty in the Department of
Ecology and Evolutionary Biology
are representatives on numerous
state, national, and international
boards and policy-making bodies.*

Crawford, D. J., J. K. Archibald, D. Stoermer, M. E. Mort,
J. K. Kelly, and A. Santos-Guerra. In press. A test of
Baker's law: The radiation of *Tolpis* (Asteraceae) in the
Canary Islands. *International Journal of Plant Sciences*.

Crawford, D. J., T. K. Lowrey, G. J. Anderson, G.
Bernardello, A. Santos-Guerra, and T. F. Stuessy. In
press. Genetic diversity in the colonizing ancestors of
Asteraceae endemic to oceanic islands: Baker's law and
polyploidy. *Proceedings of International Compositae*
Alliance Meeting.

Crawford, D. J., Mesfin Tadesse, M. E. Mort, R. T.
Kimball, and C. P. Randle. In press. Coreopsidae.
Proceedings of International Compositae Alliance
Meeting.

- DENOYELLES, FRANK** **deNoyelles, F.** and M. Jakubauskas. 2008. The current state, trend, and spatial variability of sediment in Kansas reservoirs. *Kansas Water Resources Institute Special Publication*.
- Jakubauskas, M. and **F. deNoyelles**. 2008. Methods for assessment of sedimentation in reservoirs. *Kansas Water Resources Institute Special Publication*.
- HAUFLER, CHRISTOPHER** Ranker, T. A. and **C. H. Haufler**. 2008. The biology and evolution of ferns and lycophytes. *Cambridge University Press*.
- JANDER, RUDOLF** Klotz, J. and R. Jander. In press. Magnetic sense. In: *Encyclopedia of Insects*.
- JENSEN, KIRSTEN** Bullard, S. A., S. D. Snyder, **K. Jensen**, and R. M. Overstreet. In press. New genus and species of Aporocotylidae (Digenea) from a lower actinopterygian, the American paddlefish, *Polyodon spathula*, (Acipenseriformes: Polyodontidae) from the Mississippi Delta. *Journal of Parasitology*.
- Jensen, K.** In press. Cestoda (Platyhelminthes) of the Gulf of Mexico. In *Biodiversity, Gulf of Mexico--Origins, Waters, and Biota*, D. L. Felder and D. K. Camp, Eds. Texas A&M University Press, College Station.
- KELLY, JOHN K.** **Kelly, J. K.** In press. 2008. Testing the rare-alleles model of quantitative variation by artificial selection. *Genetica* 132:187-198.
- Kelly, J. K.**, L. M. Holeski, and H. S. Arathi. 2008. The genetic correlation between flower size and water use efficiency in Monkeyflowers. *Evolutionary Ecology Research* 10:147-152.
- Springer, C. J., R. A. Orozco, **J. K. Kelly**, J. K. Ward. 2008. Elevated CO₂ Influences the Expression of Floral-Initiation Genes in *Arabidopsis thaliana*. *New Phytologist* 178 (1): 63-67.
- Crawford, D. J., J. K. Archibald, D. Stoermer, M. E. Mort, **J. K. Kelly**, and A. Santos-Guerra. 2008. A test of Baker's Law: Breeding systems and the radiation of *Tolpis* (Asteraceae) in the Canary Islands. *IJPS*.
- Wacker, M.J., M.P. Godard, E.H. McCabe, J.E. Donnelly, and **J. K. Kelly**. 2008. A sex-limited association

between the angiotensin converting enzyme I/D polymorphism and obesity. *Medical Science Monitor*.

KINDSCHER, KELLY

Kindscher, K., K., Price, D, M. and L. Castle. In press. Re-sprouting of *Echinacea angustifolia* Augments Sustainability of Wild Medicinal Plant Populations. *Economic Botany*.

Kindscher, K. In press. Vegetation and Habitat Along the Gila River in Southwestern New Mexico. Proceedings of the First Natural History of the Gila Symposium., *New Mexico Botanist*, Las Cruces, New Mexico.

Kindscher, K. and W. R. Norris. In press. Introduction. Proceedings of the First Natural History of the Gila Symposium., *New Mexico Botanist*, Las Cruces, New Mexico.

Kindscher, K. In press. Ecosystem Facts. In: Schultz, E., *The Nature of Kansas Lands* University Press of Kansas.

KRINGS, MICHAEL

Pott, C., C. C. Labandeira, **M. Krings** and H. Kerp. 2008. Fossil insect eggs and ovipositional damage on bennettitalean leaf cuticles from the Carnian (Upper Triassic) of Austria. *Journal of Paleontology*.

Dotzler, N., **M. Krings**, R. Agerer, J. Galtier and T. N. Taylor. 2008. *Combresomyces cornifer* nov. gen. et sp., an endophytic peronosporomycete in *Lepidodendron* from the Carboniferous of central France. *Mycological Research*.

Krings, M., H. Kerp and B. Bomfleur. 2008. Zur Wedelentwicklung und Heterophyllie bei Pteridospermen aus dem Oberkarbon und Unterperm. *Abhandlungen aus dem Westfälischen Museum für Naturkunde* 70.

Pott, C., **M. Krings** and H. Kerp. 2008. The Carnian (Late Triassic) flora from Lunz in Lower Austria: palaeoecological considerations. *Palaeoworld*.

Taylor, T. N., E. L. Taylor, and **M. Krings.** In press. *Paleobotany: The Biology and Evolution of Fossil Plants*. Academic Press, Inc. San Diego, CA. (1155 MS pp., 2134 figs., 5089 refs.)

KRISHTALKA, LEONARD

Krishtalka, L. In press. Generating New Knowledge. In Decalogue of Collections, Getty-USC/UNAM International Museum Institute (IMI) Instituto/Estudios Avanzados de Museos.

MORT, MARK E.

Mort, M. E., C. P. Randle, R. T. Kimball, Mesfin Tadesse, and D. J. Crawford. 2008. Phylogeny of Coreopsidae (Asteraceae): Insights from Nuclear and Plastid Sequences. *Taxon* 57: 1-12.

Crawford, D. J., J. K. Archibald, D. Stoermer, **M. E. Mort**, J. K. Kelly, and A. Santos-Guerra. In press. A test of Baker's law: the radiation of *Tolpis* (Asteraceae) in the Canary Islands. *International Journal of Plant Sciences*.

Crawford, D. J., Mesfin Tadesse, **M. E. Mort**, R. T. Kimball, and C. P. Randle. Coreopsidae. In press. *Proceedings of International Compositae Alliance Meeting*.

Alzate, F., **M. E. Mort**, and M. Ramirez. In press. Phylogenetic analyses of *Bomarea* (Alstroemeriaceae) based on combined analyses of nrDNA ITS, *psbA-trnH*, *rpoB-trnC* and *matK* sequences. *Taxon*.

Carrillo-Reyes, P., V. Sosa and **M. E. Mort**. In press. *Thompsonella* and the "Echeveria group" (Crassulaceae): phylogenetic relationships based on molecular and morphological characters. *Taxon*.

MOYLE, ROBERT G.

Moyle, R. G., P. A. Hosner, J. Nais, M. Lakim, and F. H. Sheldon. In press. Taxonomic status of the Kinabalu 'linchi' swiftlet (Apodidae: *Collocalia*). *Bulletin of the British Ornithologists' Club*.

Moyle, R. G., B. Slikas, L. A. Whittingham, D. W. Winkler and F. H. Sheldon. DNA sequence assessment of phylogenetic relationships among New World martins (Hirundinidae: *Progne*). *Wilson Journal of Ornithology*.

PETERSON, A. TOWNSEND

Guisan, A., C. H. Graham, J. Elith, F. Huettman, and NCEAS Species Distribution Modelling Group. 2007. Sensitivity of predictive species distribution models to change in grain size. *Diversity and Distributions*.

Peterson, A. T., T. M. Brooks, A. Gamauf, J. C. T. Gonzalez, N. A. D. Mallari, G. C. L. Dutson, and B. Fernandez. 2007b. The avifauna of Mt. Kitanglad, Bukidnon Province, Mindanao, Republic of the Philippines. *Fieldiana Zoology*.

Puebla-Olivares, F., E. Bonaccorso, A. Espinosa de los Monteros, K. E. Omland, J. E. Llorente-Bousquets, **A. T. Peterson**, and A. G. Navarro-Sigüenza. 2007. Speciation in the Emerald Toucanet (*Aulacorhynchus prasinus*) complex. *Auk*.

- Bonaccorso, E., A. G. Navarro-Sigüenza, L. A. Sánchez-González, **A. T. Peterson**, and J. García-Moreno. 2008. Phylogeography of the *Chlorospingus ophthalmicus* complex of Mexico and Central America. *Journal of Avian Biology*.
- Eaton, M. D., J. Soberón, and **A. T. Peterson**. 2008. Phylogenetic perspective on ecological niche evolution in American blackbirds (Family Icteridae). *Biological Journal of the Linnean Society*.
- Hernández-Baños, B. E., N. Cortés-Rodríguez, A. G. Navarro-Sigüenza, **A. T. Peterson**, and J. García-Moreno. 2008. Phylogeography and population genetics of the Amethyst-throated Hummingbird (*Lampornis amethystinus*). *Molecular Phylogenetics and Evolution*.
- Honey-Escandón, M., B. E. Hernández-Baños, A. G. Navarro-Sigüenza, H. Benítez-Díaz, and **A. T. Peterson**. 2008. Phylogeographic patterns of differentiation in the Acorn Woodpecker. *Wilson Journal of Ornithology*.
- Legra, L., X. Li, and **A. T. Peterson**. 2008. Biodiversity consequences of sea level rise in New Guinea. *Pacific Conservation Biology*.
- McCormack, J. E., **A. T. Peterson**, E. Bonaccorso, and T. B. Smith. 2008. Speciation in the highlands of Mexico: Genetic and phenotypic divergence in the Mexican jay (*Aphelocoma ultramarina*). *Molecular Ecology*.
- Menon, S., Z. Islam, J. Soberón, and **A. T. Peterson**. 2008. Ecological and geographic analysis of the Asian nuthatches (Aves: Sittidae). *Wilson Journal of Ornithology*.
- Navarro-Sigüenza, A. G., R. Ortiz-Pulido, and **A. T. Peterson**. 2008. Un panorama breve de la historia de la ornitología Mexicana. *Ornitología Neotropical* 19 (supplement).
- Navarro-Sigüenza, A. G., **A. T. Peterson**, A. Nyari, G. M. García-Deras, and J. García-Moreno. 2008. Phylogeography of the *Buarremon* brush-finch complex (Aves, Emberizidae) in Mesoamerica. *Molecular Phylogenetics and Evolution*.
- Peterson, A. T.**, M. Papeş, and J. Soberón. 2008. Rethinking receiver operating characteristic analysis applications in ecological niche modelling. *Ecological Modelling*.

- Peterson, A. T.**, A. Stewart, K. I. Mohamed, and M. B. Araújo. 2008c. Shifting global invasive potential of European plants with climate change. *PLoS ONE*.
- Reed, K. D., J. K. Meece, J. R. Archer, and **A. T. Peterson**. 2008. Ecologic niche modeling of *Blastomyces dermatitidis* in Wisconsin. *PLoS ONE*.
- Rojas-Soto, O. R., A. Oliveras de Ita, E. Martínez-Meyer, H. Gómez de Silva, A. G. Navarro-Sigüenza, and **A. T. Peterson**. 2008. Modeling distributions of relict populations of the Sierra Madre Sparrow. *Journal of Field Ornithology*.
- Williams, R., F. O. Fasina, and **A. T. Peterson**. 2008. Predictable ecology and geography of avian influenza (H5N1) transmission in Nigeria and West Africa *Transactions of the Royal Society of Tropical Medicine and Hygiene*.
- Wisz, M. S., R. Hijmans, J. Li, **A. T. Peterson**, C. H. Graham, and A. Guisan. 2008. Effects of sample size on the performance of species distribution models. *Diversity and Distributions*.
- Peterson, A. T.**, J. Soberón, R. P. Anderson, R. G. Pearson, E. Martínez-Meyer, M. Nakamura, M. B. Araújo. 2009. *Ecological Niches and Geographic Distributions*. Princeton University Press.
- SLADE, NORMAN A.** Reed, A. W. and **N. A. Slade**. 2008. Density-dependent recruitment in grassland small mammals. *Journal of Animal Ecology* 77:57-65.
- Lark, A. M., and **N. A. Slade**. 2008. Variation in vigilance in white-tailed deer (*Odocoileus virginianus*) in northeastern Kansas. *American Midland Naturalist* 159:67-74.
- SMITH, DEBORAH R.** Suppasat, T., **D. R. Smith**, S. Deowanish, and S. Wongsiri, In press. Matrilineal origins of *Apis mellifera* in Thailand. *Apidologie*
- SMITH, VAL H.** **Smith, V. H.** In press. Eutrophication. In: G. Likens (ed.). *Encyclopedia of Inland Waters*, Elsevier, Oxford.
- Yanik, E. L. and **V. H. Smith**. In press. Effects of food supply on susceptibility of *Culex* mosquitoes to the fungal biocontrol agent, *Beauveria bassiana*. *Verhandlungen der Internationale Vereinigung für Theoretische und Angewandte Limnologie*.

- TAYLOR, EDITH L.** Schwendemann, A. B., T. N. Taylor, and **E. L. Taylor**. In press. Pollen of the Triassic cycad *Delemaya spinulosa* and implications on cycad evolution. *Review of Palaeobotany and Palynology*.
- Hermesen, E. J., **E. L. Taylor**, and T. N. Taylor. In press. Morphology and ecology of the Antarctic cycad plant. *Review of Palaeobotany and Palynology*.
- Taylor, T. N., **E. L. Taylor**, and M. Krings. In press. *Paleobotany: The Biology and Evolution of Fossil Plants*. Academic Press, Inc. San Diego, CA. (1155 MS pp., 2134 figs., 5089 refs.)
- TAYLOR, THOMAS N.** **Taylor, T. N.**, E. L. Taylor, and M. Krings. In press. *Paleobotany: The Biology and Evolution of Fossil Plants*. Academic Press, Inc. San Diego, CA. (1155 MS pp., 2134 figs., 5089 refs.)
- THORP, JAMES H.** **Thorp, J. H.** 2008. Models of ecological processes in riverine ecosystems. Pages xxx-xxx in: G.E. Likens (editor-in-chief), *Encyclopedia of Inland Waters*. Academic Press, San Diego, CA
- TIMM, ROBERT M.** **Timm, R. M.** In press. Long, C. A. The wild mammals of Wisconsin. Pensoft Publishers, Sofia-Moscow, 544 pp. + 27 color illustrations. Book Review. *Journal of Mammalogy* 89(5): 000--000.
- TRUEB, LINDA** Lehr, E., and **L. Trueb**. In press. A new genus and two new species of microhylid frogs from Andean Peru, with osteological descriptions and comparisons with *Nelsonophryne* (Anura: Microhylidae). *Zoological Journal of the Linnean Society*. 52 ms pp, 21 illustrations.
- WARD, JOY** Marchin, R. M., E. L. Sage, **J. K. Ward**. In press. Population-level variation of *Fraxinus americana* L. (white ash) is influenced by precipitation differences across the native range. *Tree Physiology*.
- Springer, C. J., R. A. Orozco, J. K. Kelly, **J. K. Ward**. In press. Atmospheric CO₂ influences the expression of floral-initiation genes in *Arabidopsis thaliana*. *New Phytologist*.

Books and Book Chapters by Faculty

- Armitage, Kenneth B.** **Armitage, K. B.** 2007. Evolution of sociality in marmots: it begins with hibernation. Pp. 356-367 In: Wolff, J.O. and P. W. Sherman, (eds). *Rodent Societies: An Ecological and Evolutionary Perspective*. The University of Chicago Press, Chicago.
- BROWN, RAFF M.** **Brown, R. M.** 2007. *Introduction to Robert F. Inger's Systematics and Zoogeography of Philippine Amphibia*. Invited forward to the reprint of Inger's 1954 monograph, pp. 1-17 In: "Systematics and Zoogeography of Philippine Amphibia." Natural History Publications, Kota Kinabalu. [not peer reviewed]
- ENGEL, MICHAEL S.** **Engel, M. S.** 2007. Zoraptera. Pp. 778-779. In, McGraw-Hill Encyclopedia of Science and Technology [10th Edition, Volume 19]. McGraw-Hill; New York, New York; viii+784 pp.
- FAUTIN, D. G.** **Fautin, D. G.** and C. Hand. 2007. Actiniaria. Pages 134-145. In Carlton, J. T. (ed.). *Light's and Smith's Manual: A Guide to Intertidal Invertebrates of Central California*. University of California Press, Los Angeles.
- Fautin, D. G.** and M. Daly. 2007. Actiniaria, Corallimorpharia, and Zoanthidea (Cnidaria: Anthozoa). In Felder, D. f. and D. K. Camp (eds.). *The Gulf of Mexico -- Its Origin, Waters, and Biota: Biota*. Texas A&M, University Press, College Station, Texas.
- Cairns, S. D. and **D. G. Fautin**. 2007. Cnidaria: Introduction. In Felder, D. F. and Camp, D. K. (eds.). *The Gulf of Mexico -- Its Origin, Waters, and Biota: Biota*, Texas A&M University Press, College Station, Texas.
- Fautin, D. G.** and R. W. Buddemeier. 2007. Coral. In *Encyclopedia of Islands*. University of California Press, Berkeley, California.
- HOLDER, MARK** Holder, K. K. and **Mark T. Holder**. 2007. Phylogeography and population genetics. In: Plotkin, P. T. (ed.). *Biology and Conservation of Ridley Sea Turtles*. Johns Hopkins University Press.
- MACDONALD, STUART J.** **Macdonald, S. J.**, 2007. Intermediate-throughput laboratory-scale genotyping solutions, Ch. 10, pp. 155-169 in *Genetic Variation: A Laboratory Manual*, edited

by M. P. Weiner, J. C. Stephens, and S. Gabriel. Cold Spring Harbor Laboratory Press, New York.

Cuppen, E., **S. J. Macdonald**, C. Ha, P-Y. Kwok, W. B. Barbazuk, A-P. Hsia, H. D. Chen, Y. Fu, K. Ohtsu, and P. S. Schnable, 2007. Intermediate-throughput laboratory-scale genotyping protocols, Ch. 11, pp. 171–197 in *Genetic Variation: A Laboratory Manual*, edited by M. P. Weiner, J. C. Stephens, and S. Gabriel. Cold Spring Harbor Laboratory Press, New York.

TAYLOR, THOMAS N.

Taylor, T. N. 2007. Paleobotany. *In: McGraw-Hill Encyclopedia of Science and Technology*. 10th ed. (pp 704 - 709).

TIMM, ROBERT

Stoner, K. E. and **R. M. Timm**. 2007. Seasonal rhythms and adaptations of mammals to tropical dry forests. Pp. xxx–xyz, *In: Mooney, H., R. Dirzo, and G. Ceballos (eds.). Tropical Dry Forest Conservation and Ecology*. Island Press, Washington, D. C.

Rodríguez-Herrera, B., R. Medellín, and **R. M. Timm**. 2007. *Murciélagos Neotropicales que Acampan en Hojas: Neotropical Tent-roosting Bats*. Instituto Nacional de Biodiversidad (INBio), Santo Domingo de Heredia, Costa Rica, 178 pp.

Symposium Proceedings Publications by Faculty

- ALEXANDER, DAVID** **Alexander, D. E.** 2007 Ancient *Argentavis* soars again (commentary). *Proceedings of the National Academy of Sciences* 104 (30):12233–12234.
- BROWN, RAFE M.** Lehn, C., I. Das, M. R. J. Forstner, and **R. M. Brown**. 2007. Responsible vouchering in turtle research: an introduction and recommendations. Pp. 147–156 In: Shaffer, H. B., N. N. FitzSimmons, A. Georges, and A. Rhodin (eds.), *Defining Turtle Diversity: Proceedings of a Workshop on Genetics, Ethics and Taxonomy of Fresh Water Turtles and Tortoises*. *Chelonian Research Monographs* 4.
- Iverson, J. B., **R. M. Brown**, T. S. Akre, T. J. Near, M. Le, R. C. Thomson, and D. E. Starkey. 2007. In search of the tree of life for turtles. Pp. 85–106 In: Shaffer, H. B., N. N. FitzSimmons, A. Georges, and A. Rhodin (eds), *Defining Turtle Diversity: Proceedings of a Workshop on Genetics, Ethics and Taxonomy of Fresh Water Turtles and Tortoises*. *Chelonian Research Monographs* No. 4.
- FAUTIN, DAPHNE G.** Ollerton, J., D. McCollin, **D. G. Fautin**, and G. R. Allen. 2007. Finding NEMO - nestedness engendered by mutualistic organisation in anemonefish and their hosts. *Proceedings of the Royal Society* B 274: 591-598.
- KRISHTALKA, LEONARD** **Krishtalka, L.** Taxonomy in Europe in the 21st C: Informatics and Technology Foresight. EDIT-European Distributed Institute of Taxonomy Symposium, Oxford University, Oxford, England.
- PETERSON, A. TOWNSEND** Mohamed, K. I., J. F. Bolin, L. J. Musselman, and **A. T. Peterson**. 2006a. Genetic diversity in *Striga* and implications for control and future distributions. Pages 71-84 in *International Symposium on Integrating New Technologies for Striga Control: Towards Ending the Witch-hunt*, Addis Ababa, Ethiopia, World Scientific Publishing, Singapore.
- TAYLOR, EDITH L.** Ryberg, P. E., and **E. L. Taylor**. 2007. Silicified wood from the Permian and Triassic of Antarctica: Tree rings from polar paleolatitudes. In: Antarctica: A Keystone in a Changing World—Online Proceedings of the 10th ISAES (International Symposium on Antarctic Earth Sciences), ed. A.K. Cooper, C.R. Raymond, et al., U.S. Geological Survey Open File

Report 2007-1047, Short Research Paper 080; doi:
10.3133/of2007-1047.srp080.

TAYLOR, THOMAS N.

Taylor, E. L., **T. N. Taylor**, and P. E. Ryberg. 2007. Ovule-bearing reproductive organs of the glossopterid seed ferns from the Late Permian of the Beardmore Glacier Region, Antarctica. *In: Antarctica: A Keystone in a Changing World-Online Proceedings of the 10th (International Symposium on Antarctica Earth Sciences (ISAES)).*

Reports, Popular Articles, and Electronic Communications

- BUSBY, WILLIAM**
- Busby, W. H.** J.M. Delisle, C.C. Freeman, K. Kindscher, H. Loring, D.E. Nimz, and C.J. Schmidt. 2007. A Natural Features Inventory of the Smoky Hill ANG Range, Kansas. Open-file Report No. 137. Kansas Biological Survey, Lawrence, KS. 403 pp.
- Busby, W. H.,** and G.R. Pisani. 2007. Welda Spring Field Trip. *Journal of Kansas Herpetology* 22:12.
- Busby, W. H.** 2007. KOS joins 2007 Farm Bill coalition. *The Horned Lark* 34(2): 3.
- BROWN, RAFE M.**
- Bickford, D. P., J. Supriatna, Y. Andayani, D. Iskandar, B. J. Evans, **R. M. Brown**, T. Townsend, Umilaela, D. Azhari, and J. McGuire. 2008. Indonesia's protected areas need more protection: suggestions from island examples. Pp. 53–77 In: Sodhi, N. S., G. Acciaioli, M. Erb, and A. K.-J. Tan (eds.) *Biodiversity and Human Livelihoods in Protected Areas: Case Studies from the Malay Archipelago*. Cambridge University Press, Cambridge, UK.
- DENOYELLES, FRANK**
- Jakubauskas, M. and **F. deNoyelles**. 2007. Bathymetric survey of Switzler Creek Site #7. *Applied Science and Technology for Reservoir Assessment (ASTRA)*, Kansas Biological Survey, 15 pp.
- Jakubauskas, M. and **F. deNoyelles**. 2007. Bathymetric and sedimentation surveys of Mission Lake, Brown County, Kansas. *Applied Science and Technology for Reservoir Assessment (ASTRA)*, Kansas Biological Survey, Kansas Water Office. 31 pp.
- Jakubauskas, M. and **F. deNoyelles**. 2007. Bathymetric survey of John Redmond Reservoir, Coffey County, Kansas. *Applied Science and technology for Reservoir Assessment (ASTRA)*, Kansas Biological survey, Kansas Water Office. 26 pp.
- FAUTIN, DAPHNE G.**
- Fautin, D. G.** 2007. Hexacorallians of the World. <http://geoportal.kgs.ku.edu/hexacoral/anemone2/index.cfm>
- FREEMAN, CRAIG**
- Busby, W. H., J. M. Delisle, **C. C. Freeman**, K. Kindscher, H. Loring, D. E. Nimz, and C. J. Schmidt. 2007. A natural features inventory of the Smoky Hill ANG Range, Kansas. Open-file Report No.137. KS Biological Survey, 403 pp.

- HOLDER, MARK** Lapp, H., S. Bala, J. P. Balhoff, A. Bouck, N. Goto, **M. Holder**, R. Holland, A. Holloway, T. Katayama, P. O. Lewis, A. Mackey, B. I. Osborne, W. H. Piel, S. L. Kosakovsky Pond, A. Poon, W.-G. Qiu, J. E. Stajich, A. Stoltzfus, T. Thierer, A. J. Vilella, R. A. Vos, C. M. Zmasek, D. Zwickl, and T. J. Vision. 2007. The 2006 NESCent phyloinformatics hackathon: A field report. *Evolutionary Bioinformatics*, **3**:357–366.
- KINDSCHER, KELLY** Foster, B. and **K. Kindscher**. 2007. Controls on biodiversity and ecosystem function in managed grasslands. *National Resource Initiative Research Highlights*, No. 2.
- Busby, W. H., J. M. Delisle, C. C. Freeman, **K. Kindscher**, H. Loring, D. E. Nimz, and C. J. Schmidt. 2007. A natural features inventory of the Smoky Hill ANG Range, Kansas. Open-file Report No. 137. Kansas Biological Survey, 403 pp.
- KRISHTALKA, LEONARD** **Krishtalka, L.** 2007. No good environment news *Lawrence-Journal World*, January.
- Krishtalka, L.** 2007. Six Wonders are enough. *Lawrence-Journal World*, July.
- MARTINKO, EDWARD** **Martinko, E.A.**, J. Whistler, D. Peterson, J. Kastens, R. Hagen, D. Huggins, M. Jakubauskas. 2007. A watershed classification system for tiered diagnosis of biological impairments: A scalable, Central Plains focus with national applicability. *Final Report to the U.S. Environmental Protection Agency STAR Program*, Cooperative Agreement RD-83059701. KBS Report 141, Kansas Biological Survey, University of Kansas, Lawrence, KS, 153 pp.
- PETERSON, A. TOWNSEND** **Peterson, A. T.** 2008. Biogeography of diseases: A framework for analysis. *Naturwissenschaften*. Published online. DOI:10.1007/s00114-008-0352-5.
- SMITH, VAL** Kealing, J. 2007. KU researcher: Diet key in battling disease. *Lawrence Journal-World*, 3 September. http://www2.ljworld.com/news/2007/sep/03/ku_researcher_diet_key_battling_disease
- Smith, V. H.** 2007. Blue-green algal blooms. 2007. *This Morning Live*, (Gelareh Darabi, anchor). Interview broadcast, Global Television, Montréal, Québec, Canada, August.
- Smith, V. H.** 2007. Blue-green algae in Québec lakes. 940 News program (Jim Duff, anchor). Interview broadcast, Montréal, Québec, Canada, August.

Kaplan, M. 2007. No-iron rations. *The Economist* magazine, Science and Technology reviews, August.
http://www.economist.com/displaystory.cfm?story_id=9581325

TAYLOR, THOMAS N.

Beering, S. C., K. D. Sullivan, M. R. Abbott, D. E. Arvizu, B. C. Barish, C. P. Benbow, R. M. Bowen, J. T. Bruer, G. W. Clough, K. K. Droegemeier, K. M. Ford, P. D. Galloway, J.-M. Griffiths, D. Hastings, K. Hess, E. Hoffman, L. J. Lanzerotti, A. I. Leshner, D. D. Randall, A. K. Reilly, J. C. Strauss, **T. N. Taylor**, R. F. Thompson, J. A. Vasquez, A. L. Bement, Jr., and M. P. Crosby. 2007. *Hurricane Warning: The Critical Need for a National Hurricane Research Initiative*. National Science Foundation NSB-06-115 1-36.

Beering, S. C., K. D. Sullivan, M. R. Abbott, D. E. Arvizu, B. C. Barish, C. P. Benbow, R. M. Bowen, J. T. Bruer, G. W. Clough, K. K. Droegemeier, K. M. Ford, P. D. Galloway, J.-M. Griffiths, D. E. Hastings, K. Hess, E. Hoffman, L. J. Lanzerotti, A. I. Leshner, D. D. Randall, A. K. Reilly, J. C. Strauss, **T. N. Taylor**, R. F. Thompson, J. A. Vasquez, A. L. Bement, Jr., and M. P. Crosby. 2007. *Enhancing Support of Transformative*. Research at the National Science Foundation NSB-07-32.

Beering, S. C., K. D. Sullivan, M. R. Abbott, D. E. Arvizu, B. C. Barish, C. P. Benbow, R. M. Bowen, J. T. Bruer, G. W. Clough, K. K. Droegemeier, K. M. Ford, P. D. Galloway, J.-M. Griffiths, D. E. Hastings, K. Hess, E. Hoffman, L. J. Lanzerotti, A. I. Leshner, D. D. Randall, A. K. Reilly, J. C. Strauss, **T. N. Taylor**, R. F. Thompson, J. A. Vasquez, A. L. Bement, Jr., and M. P. Crosby. 2007. *Moving Forward to Improve Engineering Education*. National Science Foundation NSB-07-122.

Beering, S. C., K. D. Sullivan, M. R. Abbott, D. E. Arvizu, B. C. Barish, C. P. Benbow, R. M. Bowen, J. T. Bruer, G. W. Clough, K. K. Droegemeier, K. M. Ford, P. D. Galloway, J.-M. Griffiths, D. E. Hastings, K. Hess, E. Hoffman, L. J. Lanzerotti, A. I. Leshner, D. D. Randall, A. K. Reilly, J. C. Strauss, **T. N. Taylor**, R. F. Thompson, J. A. Vasquez, A. L. Bement, Jr., and M. P. Crosby. 2007. *National Action Plan for Addressing the Critical Needs of the U.S. Science, Technology, Engineering, and Mathematics Education System*. National Science Foundation NSB-07-114.

THORP, JAMES H.

Thorp, J. H. 2007. Annual Report to EPA for an EPA-STAR grant (RD-83059701)

Thorp, J. H. 2007. Annual Report to EPA for an EPA-STAR grant (RD-83244201).

Thorp, J. H., J. A. Stanford, M. C. Thoms, and G. E. Petts. 2007. Editorial: Global partnerships and the International Society for River Science (ISRS). *River Reservoirs and Applications* 23:1-5.

TIMM, ROBERT M.

York, H. A. and **R. M. Timm**. 2007. The mammals of La Selva: Mamíferos de La Selva.
<http://www.doane.edu/laselvamammals>

Publications of Postdoctoral Fellows

- BUSH, SARAH E.** Peterson, A. T., T. Brooks, A. Gamauf, J. C. T. Gonzalez, N. A. D. Mallari, G. Dutson, **S. E. Bush**, D. H. Clayton and R. Fernandez. In press. The avifauna of Mt. Kitanglad, Bukidnon Province, Mindanao, Philippines. *Fieldiana Zoology*.
- Bush, S. E.**, C. W. Harbison, D. Slager, A. T. Peterson, R. D. Price, and D. H. Clayton. In press. Geographic variation in the community structure of lice on Western Scrub-jays. *Journal of Parasitology*.
- Harbison, C. W., **S. E. Bush**, J. R. Malenke, D. H. Clayton. 2008. Comparative transmission dynamics of competing parasite species. *Ecology*.
- Bush, S. E.** and J. R. Malenke. 2008. Host defense mediates interspecific competition in parasites. *Journal of Animal Ecology*.
- Clayton, D. H., R. J. Adams and **S. E. Bush**. 2008. Phthiraptera, the chewing lice. In N. J. Thomas, C. T. Atkinson, and D. B. Hunter (eds). *Parasitic Diseases of Wild Birds*. Blackwell.
- DECOMBEIX, ANNE-LAURE** **Decombeix A.-L.**, B. Meyer-Berthaud and J. Galtier. In press. Diversity of Mississippian arborescent lignophytes: a new species of *Eristophyton* from the middle Tournaisian of France. *International Journal of Plant Science*.
- Decombeix A.-L.**, B. Meyer-Berthaud and Galtier J., 2007. A review of the genus *Eristophyton*, with special focus on the Mississippian species. *Comptes Rendus Palevol*. 6: 393–401.
- Meyer-Berthaud B. et **Decombeix A.-L.**, 2007. A tree without leaves. *Nature*. 446: 861–862.
- EIFLER, MARIA** Eifler, D. A., **Eifler, M. A.**, and Eifler E. N. 2007. Habitat use and movement patterns in the graceful crag lizard, *Pseudocordylus capensis*. *African Zoology* 42(2): 152–157.
- HERMSEN, ELIZABETH** **Hermesen, E. J.**, and J. R. Hendricks. 2007. A method for determining the age of origination of derived characters. *Cladistics* 23: 169–179.

- Hermesen, E. J.**, T. N. Taylor, and E. L. Taylor. 2007. A voltzialean pollen cone from the Middle Triassic of Antarctica. *Review of Palaeobotany and Palynology* 144: 113–122.
- Hermesen, E. J.**, T. N. Taylor, E. L. Taylor, and D. Wm. Stevenson. 2007. Cycads from the Triassic of Antarctica: permineralized cycad leaves. *International Journal of Plant Sciences* 168: 1099–1112.
- Krings, M., T. N. Taylor, H. Hass, H. Kerp, N. Dotzler, **E. J. Hermesen**. 2007. Fungal endophytes in a 400 million-year-old land plant: infection pathways, spatial distribution, and host responses. *New Phytologist* 174: 648–657.
- Krings, M., T. N. Taylor, H. Hass, H. Kerp, N. Dotzler, **E. J. Hermesen**. 2007. An alternative mode of early land plant colonization by putative endomycorrhizal fungi. *Plant Signaling and Behavior* 2: 125–126.
- HOUSEMAN, GREG** Reynolds, H. L., G. G. Mittelbach, T. Darcey–Hall, and **G. R. Houseman**, and K. L. Gross. 2007. No effect of varying soil resource heterogeneity on plant species richness in a low fertility grassland. *Journal of Ecology*, 95: 723–733.
- HUDMAN, STEPHEN** Skalski G. T., J. B. Landis, M. J. Grose, **S. P. Hudman**. In press. Landscape-dependent genetic structure of a minnow population in an impounded river system. *Transactions of the American Fisheries Society*.
- Hudman S. P.** and N. J. Gotelli. 2007. Intra- and intersexual selection on male body size are complimentary in the fathead minnow (*Pimephales promelas*). *Behaviour*, 144: 1065–1086.
- PRESTON, JILL C.** **Preston, J. C.** and E. A. Kellogg. 2007. Conservation and divergence of APETALAI/FRUITFULL-like gene function in grasses: evidence from gene expression analyses. *The Plant Journal*, 52(1): 69–81.
- ZHOU, YIHONG** **Zhou, Y.**, H. K. Kuster, J. S. Pettis, R. G. Danka, J. M. Gleason, and M. D. Greenfield. In press. Reaction norm variants for male calling song in natural populations of *Achroia grisella* (Lepidoptera: Pyralidae): Towards a resolution of the lek paradox. *Evolution*.

Publications of Graduate Students

- BENTLAGE, BASTIAN** **Bentlage B.**, and G. Wörheide. 2007. Low genetic structuring among *Pericharax heteroraphis* (Porifera: Calcarea) populations from the Great Barrier Reef (Australia), revealed by analysis of nrDNA and nuclear intron sequences. *Coral Reefs* 26: 807–816.
- BENZ, BRETT** Peterson, A. T., **B. W. Benz**, and M. Papeş. 2007. Entry pathways for highly pathogenic H5N1 avian influenza into North America via bird migration. *PLoS ONE* 2(2).
- Prasuk, J. B., M. J. Grose, A. L. Clarke, E. Greenbaum, E. Bonaccorso, J. M. Guayasamin, A. H. Smith–Pardo, **B. W. Benz**, B. R. Harris, E. Siegfried, Y. R. Reid, N. Holcroft–Benson, and E. O. Wiley. 2007. Phylogeny of finescale shiners of the genus *Lythrurus* (Cypriniformes: Cyprinidae) inferred from four mitochondrial genes. *Molecular Phylogenetics and Evolution* 42: 247–297.
- CHEN, PINGFU** **Chen, P.**, 2007. Ecological niche modeling as a predictive tool: silver and bighead carps in North America, *Biological Invasion* (9): 43–51.
- DAVIS, MATTHEW** Luttrell, G. R., F. R. Abe, **M. P. Davis**, and K.R. Anderson. 2007. Recent collections of the Slenderhead darter, *Percina phoxocephala* (Nelson), from the Kansas River Basin. *Transactions of the Kansas Academy of Science*. 110: 127–128.
- DAVIS, STEVE R.** **Davis, S. R.** and Engel, M. S. 2007. A new ambrosia beetle in Miocene amber of the Dominican Republic (Coleoptera: Curculionidae: Platypodinae). *Alavesia* 1: 121–124.
- Davis, S. R.** 2007. Wing locking mechanisms in the weevil subfamily Baridinae (Coleoptera: Curculionidae). *Entomological Research* 37 (suppl. 1): A103.
- Omar, Y. M., Zhang, R., and **Davis, S. R.** 2007. On the genus *Stereoborus* Wollaston (Coleoptera: Curculionidae: Cossoninae) with description of a new species from China. *The Coleopterist's Bulletin* 61 (2): 200–207.
- Davis, S. R.** 2007. Nectarivory in a weevil, *Smicronyx squalidus* (Coleoptera: Curculionidae: Curculioninae), on *Desmanthus* (Fabaceae). *Polskie Pismo Entomologiczne* 76: 221–224.

- Davis, S. R.** and Engel, M. S. 2007. Cossonine weevils in Dominican amber (Coleoptera: Curculionidae). *Linzer Biologische Beiträge* 39 (2): 803–820.
- ESSELSTYN, JACOB**
- Esselstyn, J. A.**, 2007. A new species of stripe-faced fruit bat (Chiroptera: Pteropodidae: *Styloctenium*) from the Philippines. *Journal of Mammalogy* 88: 951–958.
- Esselstyn, J. A.** 2007. Should universal guidelines be applied to taxonomic research? *Biological Journal of the Linnean Society*. 90: 761–764.
- GONZALEZ, VICTOR H.**
- Gonzalez, V. H.** 2007. Distribución geográfica de las abejas del fuego en Colombia (Hymenoptera, Apidae, Meliponini, *Oxytrigona*). *Revista Colombiana de Entomología* 33(2): 188–189.
- Gonzalez, V. H.** and P. Sepúlveda. 2007. Una especie nueva de *Geotrigona* (Hymenoptera, Apidae, Meliponini), con comentarios del género en Colombia. *Acta Biológica Colombiana* 12S: 107–112.
- Gonzalez, V. H.** and L. Ruz. 2007. New enigmatic Andean bee species of *Protandrena* (Hymenoptera: Andrenidae), with notes on their biology. *Revista Brasileira de Entomologia* 51(4): 313–319.
- Gonzalez, V. H.** and T. Griswold. 2007. A review of the North and Central American *Megachile* subgenus *Argyropile* Mitchell (Hymenoptera: Megachilidae). *Zootaxa* 1461: 1–14.
- Gonzalez, V. H.**, and M. Ospina. 2007. Nuevos registros genéricos de abejas (Hymenoptera, Apoidea) para Colombia. *Acta Biológica Colombiana* 11S: 89–90.
- Gonzalez, V. H.** and D. Vélez. 2007. Una especie nueva de *Paratrigona* (Hymenoptera, Apidae, Meliponini), con una sinopsis del género en Colombia. *Boletín del Museo de Entomología de la Universidad del Valle* 8(2): 9–13.
- Gonzalez, V. H.**, Ospina, M., Palacios, E. and E. Trujillo. 2007. Nesting habitats and rates of cell parasitism in some bee species of the genera *Ancyloscelis*, *Centris*, and *Euglossa* (Hymenoptera, Apidae) from Colombia. *Boletín del Museo de Entomología de la Universidad del Valle* 8(2): 23–29.

- Gonzalez, V. H.**, Mantilla, B. and V. Mahnert. 2007. A new host record for *Dasychernes inquilinus* Chamberlin (Arachnida, Pseudoscorpiones, Chernetidae), with an overview of the pseudoscorpion–bee relationship. *Journal of Arachnology* 35(3): 1–5.
- Fagua, C. and **V. H. Gonzalez**. 2007. Growth rates, reproductive phenology and pollination ecology of *Espeletia grandiflora* (Asteraceae), a giant Andean caulescent rosette. *Plant Biology* 9: 127–135.
- Smith–Pardo, A. and **V. H. Gonzalez**. 2007. Diversidad de abejas (Hymenoptera, Apoidea) en estados sucesionales del bosque húmedo tropical. *Acta Biológica Colombiana* 12(1): 43–56.
- Smith–Pardo, A. and **V. H. Gonzalez**. 2007. Abejas *Chilicola* (Hymenoptera, Colletidae, Xeromelissinae) del grupo *megalostigma*: una nueva especie de Colombia y clave para las especies. *Neotropical Entomology* 36(6): 910–913.
- GUAYASAMIN, J. MANUAL**
- Ron, S. R., **J. M. Guayasamin**, and L. A. Coloma. 2007. Decline and conservation of amphibians in Ecuador. In: Heatwole, H. and J. W. Wilkinson (eds.). *Biology of Amphibians, Decline and Conservation*. 9, Surrey Beatty and Sons Pty. Ltd., Australia.
- Guayasamin, J. M.**, and L. Trueb. 2007. A new species of glass frog (Anura: Centrolenidae) from the lowlands of northwestern Ecuador, with comments on centrolenid osteology. *Zootaxa*.
- Pramuk, J. B., M. J. Grose, A. L. Clarke, E. Greenbaum, E. Bonaccorso, **J. M. Guayasamin**, A. H. Smith–Pardo, B. W. Benz, B. R. Harris, E. Siegfried. 2007. Phylogeny of finescale shiners of the genus *Lythrurus* (Cypriniformes: Cyprinidae) inferred from four mitochondrial genes. *Molecular Phylogenetics and Evolution* 42: 287–297.
- HINOJOSA–DÍAZ, ISMAEL**
- Hinojosa–Díaz, I. A.** and Engel, M.S. 2007. Two new orchid bees of the subgenus *Euglossella* from Peru (Hymenoptera: Apidae). *Beiträge zur Entomologie* 57(1): 93–104.
- Hinojosa–Díaz, I. A.**, and Engel, M. S. 2007. A New Fossil Orchid Bee in Colombian Copal (Hymenoptera: Apidae). *American Museum Novitates* 3589: 1–7

- Engel, M. S., **I. A. Hinojosa-Díaz** and O. Yáñez-Ordóñez. 2007. The *Augochlora*-like *Dialictus* from Guatemala and Southern México (Hymenoptera: Halictidae). *Acta Zoológica Mexicana (nueva serie)* 23(3): 125–134
- Rasmussen, C., G. Mahé, and **I. A. Hinojosa-Díaz**. 2007. Taxonomic status of the bees from Fench Guiana described by Jules Dominique. *Zootaxa* 1423: 59–62.
- HOLESKI, LIZA M.** **Holeski, L. M.** 2007. Geographic variation in trichome density of *Mimulus guttatus* and the fitness consequences of spittlebug herbivory. *Evolutionary Ecology*.
- HOSNER, PETER A.** Andersen, M.J., Lebbin, D.J.L., and **P.A. Hosner**. 2007. First photographic evidence of Verry (*Catharus fuscescens*) for Peru. *Boletín SAO* 17(1): 36–38
- Hosner, P. A.** and D. W. Winkler. 2007. A comparison of dispersal distance estimates in Tree Swallows using a local area study and the National Bird Banding Lab. *J. Field Ornith* 78(3) 290–297
- JENG, MING-LUEN** **Jeng, M.-L., P.-S. Yang** and M. Engel. 2007. The firefly genus *Vesta* in Taiwan (Coleoptera: Lampyridae). *Journal of Kansas Entomological Society* 80(4): 265–280.
- Jeng, M.-L., M. Engel** and P.-S. Yang. 2007. *Oculogyphus*, a remarkable new genus of Lampyridae (Coleoptera) from Asia. *American Museum Novitates* Nr. 3600. 19 pp.
- Wang, Y., X. Fu, C. Lei, **M.-L. Jeng** and N. Ohba. 2007. Biological characteristics of the terrestrial firefly *Pyrocoelia pectoralis* (Coleoptera: Lampyridae). *Coleopterists Bulletin* 61(1): 85–93.
- Thancharoen, A., L.A. Ballantyne, M.A. Branham and **M.-L. Jeng**. 2007. Description of *Luciola aquatilis* sp. nov., a new aquatic firefly (Coleoptera: Lampyridae: Luciolinae) from Thailand. *Zootaxa* 1611: 55–62.
- LEVSEN, NICHOLAS** Mort, M. E., J. K. Archibald, C. P. Randle, N. D. Levsen, T. R. O’Leary, K. Topalov, C. M. Wiegand, and D. J. Crawford. 2007. Inferring phylogeny at low taxonomic levels: utility of rapidly evolving cpDNA and nuclear ITS loci. *American Journal of Botany* 94: 173–183.
- LINKEM, CHARLES** McGuire, J. A. **C. W. Linkem**, M. Koo, D. W. Hutchison, K. K. Lappin, D. O. Orange, J. Lemospinole, B. Riddle,

- and J. Jaeger. 2007. Mitochondrial introgression and incomplete lineage sorting through space and time: phylogenetics of crotaphytid lizards. *Evolution* 61: 2879–2897
- Siler, C. D. **C. W. Linkem**, A. Diesmos, A. Alcala. 2007. A new species of *Platymantis* (Amphibia; Anura; Ranidae) from Panay Island, Philippines. *Herpetologica* 63: 351–364
- LONG, QUINN** **Long, Q.** and K. Kindscher. 2007. A comparison of the Influence of disturbance Regimes on Native Forbs. *Ecological Restoration* 25(2).
- MCLEOD, DAVID** McLeod, D. S. and N. Ahmad. 2007. A new species of *Theloderma* (Anura: Rhacophoridae) from southern Thailand and peninsular Malaysia. *Journal of Russian Herpetology* 14(1): 65–72.
- MICKLE, KATHRYN** **Mickle, K.**, 2007. A new platysomid from the Late Carboniferous of Kansas, Ichthyolith Issues, Special Publication 10, *Abstract of Papers from 40th Anniversary Symposium on Early Vertebrates/Lower Vertebrates*, 491: 67.
- MILLER, GINGER** **Miller, G. L.**, C. Loudon and S. Freed. 2007. Position around a tree: consequences for pheromone detection, *Journal of Chemical Ecology*, 33: 531–554.
- MURPHY, CHERYL** Foster, B. L., **C. A. Murphy**, K. R. Keller, T. A. Aschenbach, E. J. Questad and K. Kindscher. 2007. Restoration of prairie community structure and ecosystem function in an abandoned hayfield: A sowing experiment. *Restoration Ecology* 15(4): 652–661.
- NYÁRI, ÁRPAD** Peterson, A. T. and **Á. S. Nyári**. 2007. Ecological Niche conservatism and Pleistocene refugia in the Thrush-like Mourner, *Schiffornis*, Neotropics. *Evolution* 62: 173–183.
- Peterson, A. T., R. G. Moyle, R. G., **Á. S. Nyári**, M. B. Robbins, R. T. Brumfield, and J. V. Remsen Jr. V. 2007. The need for proper vouchering in phylogenetic studies of birds. *Molecular Phylogenetics and Evolution* 45: 1042–1044.
- Waltari E., R. J. Hijmans, A. T. Peterson, **Á. S. Nyári**, S. L. Perkins, and R. P. Guralnick. 2007. Locating Pleistocene refugia: Comparing phylogeographic and ecological niche model predictions. *PLoS ONE* 2(7): e563.

PAPES, MONICA

- Papes, M.** 2007. Ecological niche modeling approaches to conservation of endangered and threatened birds in central and Eastern Europe. *Biodiversity Informatics* 4: 14–26.
- Papeş M.** and P. Gaubert. 2007. Evaluating conservation status of poorly-known African and Asian viverrids using ecological niche modeling. *Diversity and Distributions* 13: 890–902.
- York, H. and **M. Papeş**. 2007. Limiting similarity and species assemblages in the short-tailed fruit bats (Chiroptera: Phyllostomidae: Carollia). *Journal of Zoology* 273: 249–256.
- Peterson, A.T., **M. Papeş** and M. Eaton. 2007. Extrapolation versus interpolation, overfitting, and model evaluation in ecological niche modeling: a comparison of GARP and Maxent. *Ecography* 30: 550–560.
- Peterson, A.T., B. W. Benz, and **M. Papeş**. 2007. Entry pathways for highly pathogenic H5N1 avian influenza into North America via bird migration. *PLoS ONE* 2(2): e261. doi:10.1371/journal.pone.0000261.
- Peterson, A.T, **M. Papeş**, D. S. Carroll, H. Leirs, and K. M. Johnson. 2007. Mammal taxa constituting potential coevolved reservoirs of filoviruses. *Journal of Mammalogy* 88: 1544–1554.

QUESTAD, ERIN

- Questad, E. J.** 2007. A match made in academia: you and your graduate advisor. *Frontiers in Ecology and the Environment* 5 (7): 390–391.
- Questad, E. J.** and B. F. Foster. 2007. Vole disturbances and plant diversity in a grassland metacommunity. *Oecologia* 153 (2): 341–351.
- Foster, B. L., C.A. Murphy, K. R. Keller, T. A. Aschenbach, **E. J. Questad**, and K. Kindscher. 2007. Restoration of prairie community structure and ecosystem function in an abandoned hayfield: a sowing experiment. *Restoration Ecology* 15 (4): 652–661.

RYBERG, PATRICIA

- Ryberg, P. E.**, E. L. Taylor, and T. N. Taylor. 2007. Secondary phloem anatomy of *Cycadeoidea* (Bennettitales). *American Journal of Botany* 94: 791–798.

- Ryberg, P. E.**, E. L. Taylor. 2007. Tree growth at polar latitudes based on fossil tree ring analysis. *Palaeogeography, Palaeoclimatology, Palaeoecology* 255: 246–264.
- Ryberg, P. E.**, E. L. Taylor. 2007. Silicified wood from the Permian and Triassic of Antarctica: tree rings from polar paleolatitudes, In: Antarctica: A Keystone in a Changing World – Online Proceedings of the 10th ISAES, edited by A. K. Cooper and C. R. Raymond et al., USGS Open – File Report 2007–1047.
- Taylor, E. L., T. N. Taylor, and **P. E. Ryberg**. 2007. Ovule-bearing organs of the glossopterid seed ferns from the Late Permian of the Beardmore Glacier region, Antarctica, In: Antarctica: A Keystone in a Changing World – Online Proceedings of the 10th ISAES, edited by A.K. Cooper and C.R. Raymond et al., USGS Open–File Report 2007–1047.
- SILER, CAMERON** **Siler, C. D.**, C. W. Linkem, A. C. Diesmos, and A. C. Alcalá. 2007. New species of the genus *Platymantis* (Amphibia; Anura; Ranidae) from Panay Island, Philippines. *Herpetologica* 63(3): 351–364.
- SPARKS, KATHRYN** Smith, G. R., A. A. Burgett, **K. A. Sparks**, K. G. Temple and K. E. Winter. 2007. Temporal patterns in bullfrog (*Rana catesbeiana*) tadpole activity: a mesocosm experiment on the effects of density and bluegill sunfish (*Lepomis macrochirus*) presence. *Herpetological Journal* 17: 199–203.
- VILLAFUERTE, LYNN** Villafuerte, L. 2007. *Engaging graduate students in classroom teaching*. Center for Teaching Excellence, *Teaching Matters*.
- WILLIAMS, DANIEL R.** **Williams, D. R.** 2007. Avian taphonomy in Natural Trap Cave (Late Pleistocene–Holocene), Wyoming., Abstracts of Papers for the 67th Annual Meeting. *Journal of Vertebrate Paleontology* 27: 3, 166A.
- Williams, D. R.** 2007. The late pleistocene and holocene avifauna of Natural Trap Cave, Wyoming. *Transactions of the Kansas Academy of Science* 110(3/4): 309–310.
- WILLIAMS, RICHARD** Peterson, A. T., **R. Williams**, and G. Chen. 2007 Predicting the global invasive potential of Asian Gypsy Moths (*Lymantria dispar*). *Entomologia Experimentalis et Applicata*. 125: 39–44.

Martin Cereceda, M., **R. Williams**, A. Guinea, and G. Novarino. 2007. An investigation of the fine structure, cell surface carbohydrates and appeal of the diatom *Extubocellulus* as prey for small flagellates. *Protoplasma* 232: 69–78.

Nakazawa, Y., **R. Williams**, A. T. Peterson, P. Mead, E. Staples, and K. L. Gage. 2007 Climate change effects on Plague and Tularemia in the USA. *Vector-borne and Zoonotic Diseases* 7: 529–540.

Graduate Student Publications in Press

- COLE, JEFFREY** Cole, J. A. 2008. A new cryptic species of cicada resembling *Tibicen dorsatus* (Say) revealed by calling song (Hemiptera: Auchenorrhyncha: Cicadidae). *Annals of the Entomological Society of America*.
- ESSELSTYN, JACOB** **Esselstyn, J. A.**, H. J. D. Garcia, M. V. Saulog, and L. R. Heaney. In press. A new species of *Desmalopex* (Chiroptera: Pteropodidae) from Mindoro Island, Philippines, with a phylogenetic analysis of Pteropodine genera. *Journal of Mammalogy*.
- GONZALEZ, VICTOR H.** **Gonzalez, V. H.** and M. Ospina. In press. Nest structure, seasonality, and host plants of *Thygater aethiops* (Hymenoptera: Apidae, Eucerini) in the Andes. *Journal of Hymenoptera Research*.
- Davis, S. and **V. H. Gonzalez**. In press. Two new species of the melittophilous beetle *Scotocryptus* (Coleoptera: Leiodidae) associated with colonies of *Melipona fuscipes* (Hymenoptera: Apidae) in Colombia. *Deutsche Entomologische Zeitschrift*.
- Gonzalez, V. H.**, and D. W. Roubik, D. In press. Especies nuevas y filogenia de las abejas del fuego, *Oxytrigona* (Hymenoptera, Apidae, Meliponini). *Acta Zoológica Mexicana*.
- HOSNER, PETER A.** **Hosner, P. A.** and N. E. L Huanca. In press. The nest, eggs, and breeding behavior of the Puna Tapaculo (*Scytalopus simonsi*). *Wilson Journal of Ornithology*.
- Moyle, R. G., **P. A. Hosner**, J. Nais, M. Lakim, and F. H. Sheldon. In press. Taxonomic status of the Kinabalu 'linchi' Swiftlet (Apodidae: *Collocalia*). *Bulletin of British Ornithologists Club*.
- Tobias, J. A., Lebbin, D. J., Andersen, M. J., **Hosner, P. A.**, Seddon, N., Guilherme, E. and A. Aleixo. 2008. Vocal repertoire, behavior, and distribution of the Rufous Twistwing (*Cnipodectes superrufus*), including the first records for Bolivia and Brazil. *Wilson Journal of Ornithology*.
- LINKEM, CHARLES W.** **Linkem, L. W.**, J. A. McGuire, C. J. Hayden, M. I. Setiadi, D. Bickford, and R. M. Brown. In press. A new species of bent-toe gecko (Gekkonidae: *Cyrtodactylus*) from Sulawesi Island, Eastern Indonesia. *Herpetologica*.

- Hayden, C. J., R. M. Brown, G. Gillespie, M. I. Setiadi, **C. W. Linkem**, D. T. Iskandar, U. Laela, D. Bickford, A. Riyanto, I. Mumpuni and J. A. McGuire. In press. A new species of bent-toed gecko *Cyrtodactylus* 1827 (Squamata: Gekkonidae) from the Island of Sulawesi, Indonesia. *Herpetologica*
- MCLEOD, DAVID** **McLeod, D. S.**, J. A. Sheridan, W. Jiraungkoorskul, and W. Khonsue. In press. A survey for chytrid fungus in Thai amphibians. *Raffles Bulletin of Zoology*.
- MICKLE, KATHRYN** **Mickle, K.** In press. Three new paleoniscoid fishes from the Bear Gulch Limestone (Serpukhovian, Mississippian) of Montana and the relationships of lower actinopterygians, *Journal of Vertebrate Paleontology*, Abstracts of Papers from Annual Meeting, 25:92A.
- MILLER, GINGER** **Miller, G. L.**, C. Loudon, and S. Freed. In press. Position around a tree: consequences for pheromone detection, *Journal of Chemical Ecology*.
- NYARI, ARPAD** Powell, A. F. L. A., and **Nyari, A.** In press. Interspecific aggression between marsh-dwelling *Ammodramus* sparrows at a migration stop-over. *The Wilson Journal of Ornithology*.
- SUKUMARAN, JEET** Indraneil, D. N. Yaakob and J. Sukumaran. In press. A new species of *Microhyla* (Anura: Microhylidae) from the Malay Peninsula. *Hamadryad* 31(2).
- WILLIAMS, BRADLEY S.** Adams, S. R., M. D. Schroeder, R. L. Clark, and **B. S. Williams**. In press. Fish assemblages across a riparian wetland connectivity gradient in the lower Arkansas River floodplain. *Wetlands*.
- WILLIAMS, RICHARD** **Williams, R. A. J.**, F. O. Fasina, and A. T. Peterson. In Press. Predictable ecology and geography of avian influenza (H5N1) transmission in Nigeria and West Africa. *Transactions of the Royal Society of Tropical Medicine and Hygiene*.
- Martin Cereceda, M., **R. Williams**, G. Novarino, G. In press. Easy visualization of the protist *Oxyrrhis marina* grazing on a live fluorescently-labelled heterotrophic nanoflagellate. *Journal of Current Microbiology*.

Presentations by Faculty

- ALEXANDER, DAVID** **Alexander, D. E.** 2007. Under Vogel's wing, my work takes off. Society for Integrative and Comparative Biology Annual Meeting, Phoenix, AZ, January.
- ALEXANDER, HELEN M.** **Alexander, H. D.** 2007. A 20 year study of the population ecology of a cryptic plant, Mead's milkweed, population trajectories and estimates of survival and detection." Department of Plant Biology, Michigan State University, Lansing, MI, October.
- Alexander, H. M., N. A. Slade, W. D. Kettle, and G. L. Pittman.** 2007. A 19 year study of the Mead's milkweed (*Asclepias meadii*): insights on detection of individual plants and on population ecology. Ecological Society of America meetings, San Jose, CA, August.
- ARMITAGE, KENNETH B.** **Armitage, K. B.** 2007. The evolution of sociality in marmots: Cost and benefits of sociality. Stony Brook University, NY, December.
- BILLINGS, SHARON** **Billings, S. A.** 2007. Carbon return to the atmosphere from forest soils: How N availability can govern soil CO₂ release; Michigan Technological University, Houghton, MI, October.
- Billings, S. A.** 2007. Soil C dynamics and production rates; Soil Carbon Erosion Workshop, group of scientists from US and Europe exploring soil C erosion's influence on atmospheric CO₂, hosted by the Kansas Geological Survey, Lawrence, KS, March.
- Billings, S. A.** 2007. Soil C and N cycling in the Great Plains; NSF EPSCoR Ecoforecasting workshop, Kansas State University, Manhattan, KS, April.
- Billings, S. A.** 2007. Soils and global climate change. Conference on climate change: KU School of Law, Lawrence, KS, October.
- Billings, S. A.** 2007. Linking microbial activity to elevated CO₂ and N availability in a pine forest; Duke Forest Belowground FACE meeting, Duke University, Durham, NC, November.
- Billings, S. A.** 2007. Forest development and soil change, Global Soil Change and Long-term Soil Experiments; Duke University, Durham, NC, December.

- Reed, A, and **S. Billings**. 2007. Moisture availability as an influence on the stable oxygen and carbon isotopes of *Quercus rubra* tree-rings. Ecological Society of America annual meeting, San Jose, CA, August.
- Tiemann, L. and **S. Billings**. 2007. Grassland and forest soil organic matter transformations and microbial function in the North American Midwest. Ecological Society of America annual meeting, San Jose, CA, August.
- Goedhart, C, D. E. Pataki, and **S. Billings**. 2007. Controls on plant gas exchange across a grassland to shrubland gradient in Owens Valley, California. Ecological Society of America annual meeting, San Jose, CA, August.
- Pataki, D. E, **S. Billings**, E. Naumburg, and C. Goedhart. 2007. Water sources and nitrogen relations of grasses and shrubs in phreatophytic communities of the Great Basin Desert. Ecological Society of America annual meeting, San Jose, CA, August.
- Billings, S. A.** and S. E. Ziegler. 2007. Influences of elevated CO₂ and N fertilization on soil organic carbon cycling in a pine forest soil. Canadian Meteorological and Oceanographic Society annual meeting, May.
- Billings, S.** and L. Tiemann. 2007. Nitrogen and carbon dynamics in the changing Great Plains landscape. NSF EPSCoR Ecoforecasting meeting, Manhattan, KS, April.
- Tiemann, L. and **S. Billings**. 2007. Grassland and forest soil nitrogen transformations and microbial function in the North American Midwest. EPSCoR Ecoforecasting meeting, Manhattan, KS, April.
- Billings, S. A.** and S. E. Ziegler. 2007. Organic C dynamics in a pine forest soil with elevated CO₂ and N fertilization. North American Carbon Program conference, Colorado Springs, CO, January.
- BROWN, RAFE M.**
- Brown, R. M.** 2007. Ecological morphology and adaptive radiation in SE Asian rainforest frogs. Invited seminar, Department of Biology, Portland State University, Portland, OR, May.
- Brown, R. M.** 2007. Radiation in Australasian forest frogs: adaptive or non-adaptive? University of Oklahoma, Norman, OK, July.

Brown, R. M. 2007. Adaptive and non-adaptive radiations in Melanesian forest frogs: the role of mate-recognition signals in the process of evolutionary diversification. Missouri State University, Columbia MO, March.

Brown, R. M. 2007. Ecomorphology, advertisement call evolution, and stages of adaptive/non-adaptive radiation in Melanesian forest frogs. Invited A. Watson Armour Research Seminar Series, Field Museum of Natural History, April.

Brown, R. M. 2007. Biodiversity discovery at KU NHM: the tree of life, the barcoding consortium, and the coming genomics era. KU Natural History Museum Board of Directors annual meeting.

Brown, R. M. 2007. The impact of cryptic species delimitation on Philippine megadiversity. (single authored) Oral presentation at the Joint Meetings of U.S. Ichthyological and Herpetological Societies, St. Louis MO, July.

CARTWRIGHT, PAULYN

Cartwright, P. 2007. Fossils, phylogenies and development: insights into Medusozoan evolution. EEB seminar series, School of Biological Sciences, University of Nebraska. Lincoln, NE, October.

Cartwright, P. 2007. Origin and evolution of Medusozoa. EEOB seminar series, Ohio State University, Columbus, OH, April.

Cartwright, P. N. M. Evans, A. Lindner, P. Schuchert, A. C. Marques, and A. G. Collins. 2007. Molecular phylogenetics of Hydroidolina. 6th Workshop of the Hydrozoan Society, Plymouth UK. June.

Collins, A. G, B. Bentlage, S. H. D. Haddock, T. Jankowski, D. J. Lindsay, and **P. Cartwright**, 2007. Phylogenetics of Trachylina. 6th Workshop of the Hydrozoan Society, Plymouth, UK, June.

Collins, A. G and **P. Cartwright**. 2007. Rocks and clocks: integrating fossils and molecules to date transitions in early animal evolution. Society for Integrative and Comparative Biology, Key Transitions in Animal Evolution Symposium. Phoenix, AZ, January.

Nawrocki, A.M, and **P. Cartwright**. 2007. Phylogenetic placement of *Hydra*: evidence from nuclear and mitochondrial markers. International Workshop, Hydra

and Development of Animal Form, Tutzing, Germany, October.

CRAWFORD, DANIEL J.

Crawford, D. J., 2007. Plants and people of Juan Fernandez Islands. Department of Biology, St. Olaf College, Northfield, MN, February.

Crawford, D. J., 2007. Plants on hot spots: Evolution and speciation in oceanic Archipelagos, Kansas State University, Manhattan, KS, February.

Crawford, D. J., 2007. Plants on Hot Spots: Evolution and Speciation in Oceanic Archipelagos. University of Antioquia, Medellin, Columbia, OH, December.

Crawford, D. J., J. K. Archibald, D. Stoermer, M. Mort, and A. Santos-Guerra. 2007. Baker's law, breeding systems, and the evolution of *Tolpis* (Asteraceae) in the Canary Islands. Botanical Society of America, Chicago, IL, July.

Les, D. H, **D. J. Crawford**, N. Tippery, R. T. Kimball, and E. Landolt. 2007. Duckweeds go nuclear: successful sequencing of nrDNA lends support to the phylogeny of Lemnaceae. Botanical Society of America, Chicago, IL, July.

CUTLER, BRUCE

Cutler, B. 2007. Galvanizing your specimens: unintended consequences of using green neoprene stoppers in alcohol based collections. American Arachnological Society, Susquehanna University, Selinsgrove, PA, July.

DENOYELLES, FRANK

Jakubauskas, M. and **F. deNoyelles**. 2007. The current state, trend, and spatial variability of sediment in Kansas reservoirs and methods for assessment of sedimentation in reservoirs. Water and the Future of Kansas, Topeka, KS, March.

Martinko, E.A, **F. deNoyelles**, and M. Jakubauskas. 2007. Preserving, protecting, and restoring Kansas reservoirs. Kansas Reservoir Summit, University of Kansas, Lawrence, KS, October.

deNoyelles, F. and M. Jakubauskas. 2007. Reservoir sedimentation and water quality: conditions, consequences, and management. Delaware Basin WRAPS, Holton, KS, December.

Jakubauskas, M, **J. deNoyelles**, E. Martinko, S. Campbell, D. Huggins, and A. Dzialowski. 2007. The Applied Science and Technology for Reservoir Assessment (ASTRA) initiative of the Kansas Biological Survey:

Applied hydroacoustics for addressing research and management information needs of Kansas reservoirs. Midwest Fish and Wildlife Conference, Madison, WI, December.

Jakubauskas, M, **J. deNoyelles**, E. Martinko, S. Campbell, D. Huggins, and A. Dzialowski. 2007. The Applied Science and Technology for Reservoir Assessment (ASTRA) initiative of the Kansas Biological Survey: Addressing the research and management information needs of Kansas reservoirs. Water and the Future of Kansas Conference, Topeka, KS, March.

ENGEL, MICHAEL S.

Grimaldi, D. and M.S. Engel. 2007. Burmese amber: Paleontological significance and update. IV International Congress of Palaeoentomology; Vitoria, Spain, May.

Engel, M.S. 2007. Sic transit gloria mundi: when bad things happen to good bugs. Department of Geology, University of Kansas; Lawrence, KS, November.

Engel, M.S. 2007. Sic transit gloria mundi: when bad things happen to good bugs. Department of Ecology & Evolutionary Biology, University of Kansas, Lawrence, KS, October.

FAUTIN, DAPHNE

Fautin, D. G. 2007. Marine biogeography: oceans of data; Department of Geography, University of Kansas, Lawrence, KS, February.

Fautin, D. G. and G. Kampmeier. 2007. The looming crisis of maintaining access to electronic research products. Biennial PEET meeting; Athens, GA, March.

Fautin, D. G. 2007. The truth about Nemo: the Anemonefish symbiosis. Western Australian Museum, Perth, Australia, August.

Fautin, D. G. 2007. Oceans of data: marine biodiversity informatics. Western Australian Museum, Perth, Australia, August.

Fautin, D. G. 2007. The truth about Nemo: the Anemonefish symbiosis. Murdoch University, Perth, Australia, August.

Fautin, D. G. 2007. The truth about Nemo: the Anemonefish symbiosis. Evolutionists; Lawrence, KS, September.

FOSTER, BRYAN

Aschenbach, T. A., B. L. Foster, D. W. Imm, and N. Drozda. 2007. Community assembly and longleaf pine Savanna Restoration. Ecological Society of America Society. San Jose, CA, August.

Collins, C. D., R. D. Holt and B. L. Foster. 2007. Patch size affects patterns of plant extinction during succession in an experimentally fragmented landscape. U.S. International Association for Landscape Ecologists. Tucson, AZ, April.

Murphy C. A. and B. L. Foster. 2007. Effects of fertilization and haying on soil bacterial communities in a northeastern Kansas experiment. Ecological Society of America Annual Meeting. San Jose, CA, August.

Questad, E. J. and B. L. Foster. 2007. Disturbance, dispersal limitation, and community assembly in restored grassland metacommunities. Ecological Society of America. San Jose, CA, August.

Questad, E. J., B. L. Foster, S. Jog, and K. Kindscher. 2007. Land-use and community assembly in a grassland landscape. U. S. Association of the International Association for Landscape Ecology, Tucson, AZ, April.

Houseman, G. R., **B. L. Foster**, and E. J. Questad. 2007. Feedbacks between community assembly and ecosystem function govern the diversity-productivity relationship. Ecological Society of America Meetings. San Jose, CA, August.

Foster, B. L. and G. R. Houseman. 2007. The interaction of soil fertility, disturbance and propagule pools in regulating plant diversity. Special Symposium: *Plant diversity patterns - explicable by evolution and dispersal*. Annual Meeting of the International Association of Vegetation Scientists (IAVS). Palmerston North, New Zealand, February.

FREEMAN, CRAIG C.

Freeman, C. C. 2007. Forecasting ecological change in the Central Plains: Biodiversity focus group. 1st Annual Kansas EPSCoR Ecoforecasting Meeting, Manhattan, KS. April.

Freeman, C. C. 2007. Legacy data and research at the Kansas Biological Survey and R. L. McGregor Herbarium, University of Kansas. Emporia State University, Department of Biology, Emporia, KS.

Freeman, C. C. 2007. Prairies across Kansas: their natural communities and flora. Konza Environmental Education Program Teachers' Workshop, Manhattan, KS, June.

Freeman, C. C. 2007. Places, processes, and plants: vegetation of the Great Plains. Kansas Native Plant Society Annual Meeting, Hutchison, KS, September.

Freeman, C. C. 2007. Collection databasing at the R. L. McGregor Herbarium, University of Kansas. 4th Annual Great Plains Plant Systematics Symposium, Manhattan, KS, May.

Freeman, C. C. 2007. The Flora of North America at the halfway point: an update on efforts to produce a continental flora. 4th Annual Great Plains Plant Systematics Symposium, Manhattan, KS, May.

Papes, M, A, T. Peterson, and **C. C. Freeman.** 2007. Assessing geographic coordinates and accuracy estimates for Great Plains specimen collecting localities. 1st Annual Kansas EPSCoR Ecoforecasting Meeting, Manhattan, KS, April.

GLEASON, JENNIFER M.

Gleason, J. M. 2007. *Drosophila* wing movements in courtship: the evolution of acoustical and visual displays. NSF Workshop on the Evolution of Motor Patterns, June.

Gleason, J. M. 2007. An introgression approach to studying behavioral differences between *Drosophila simulans* and *D. sechellia*. Presented at the Joint Meeting of the American Society of Naturalists, the Society of Systematic Biologists and the Society for the Study of Evolution. Christchurch, New Zealand.

HILEMAN, LENA C.

Hileman, L. C. 2007. Evolution of stamen and petal developmental patterning: from poppy to snapdragon, Ecology and Evolutionary Biology, University of Colorado, Boulder, CO, February.

Hileman, L. C. 2007. Evolution of Stamen and Petal Developmental Patterning: from poppy to snapdragon. Department of Biology, Kansas State University, Manhattan, KS. April.

Faculty in the Department gave more than 180 presentations involving their research at national and international professional meetings and symposia.

Hileman, L. C. 2007. Symmetry genes and the evolution of floral phenotypes among close relatives of snapdragon. Plant Biology and Botany Annual Conference 2007, Chicago, IL, July.

- Hileman, L. C.** 2007. Evolution of stamen and petal developmental patterning: from poppy to snapdragon. Department of Plant Biology, University of Minnesota, Minneapolis, MN, September.
- Hileman, L. C., S. Drea, and V. F. Irish.** 2007. Functional analyses of a genetic pathway controlling flower development in poppy. *10th Annual Symposium of the Japanese-American Frontiers of Science*. Jointly sponsored by the *Japan Society for the Promotion of Science and the National Academy of Sciences*. Shonan Village, Kanagawa, Japan. December.
- HOLDER, MARK T.** **Holder, H. T., J. Sukumaran, and P. O. Lewis.** 2007. Minimum posterior expected loss trees. Isaac Newton Institute for Mathematical Sciences, Cambridge UK.
- JENSEN, KIRSTEN** Caira, J. N, **K. Jensen,** A. Waeschenbach, and D. T. J. Littlewood. 2007. Interrelationships and host associations of the onchobothriid cestodes of carcharhiniform sharks. 82nd Annual Meeting of the American Society of Parasitologists. Merida, Mexico.
- Jensen, K.** 2007. Towards the elucidation of life-cycles of tapeworms of elasmobranchs (sharks and rays) in the northern Gulf of Mexico. Southwestern Association of Parasitologists. Lake Texoma, OK, April.
- Jensen, K.** 2007. Using morphology and molecules to address life cycle questions in marine cestodes. 7th International Symposium on Fish Parasites, Viterbo, Italy.
- KELLY, JOHN K.** **Kelly, J. K.** 2007. Epistasis in monkeyflowers. University of Nebraska, Lincoln, NE, March.
- Kelly, J. K.** 2007. Epistasis in monkeyflowers. University of Georgia, Athens, GA, March.
- Kelly, J. K.** 2007. Epistasis in monkeyflowers. University of Pittsburgh, Philadelphia, PA, April.
- Kelly, J. K.** 2007. Epistasis in monkeyflowers. University of Florida, Gainesville, FL, April.
- Kelly, J. K.** 2007. Epistasis in monkeyflowers. Iowa State University, Ames, IA, August.
- KINDSCHER, KELLY** **Kindscher, K., R. Pitts, A. Martyn, and N. Crowe.** 2007. Winnebago Ethnobotany and Botanical Resources

- Project. Economic Botany Conference, Chicago, Illinois, June.
- KRINGS, MICHAEL**
- Dotzler, N, **M. Krings**, T. N. Taylor and J. Galtier. 2007. The non-marine microbial world in the late Paleozoic: new discoveries from Early Devonian and Early Carboniferous cherts. Botany and Plant Biology Joint Congress, Chicago, IL, July.
- Kerp, H, H. Hass and **M. Krings**. 2007. Neue bemerkenswerte Funde aus dem unterdevonischen Rhynie Chert. Fossile Ökosysteme. 77. Jahrestagung der Paläontologischen Gesellschaft, Freiberg, Sachsen, Germany, September.
- Taylor, T. N, **M. Krings**, H. Kerp, H. Hass, N. Dotzler and J. Galtier. 2007. New insights into the late Paleozoic microbial world: complex microbial and microbe/land plant associations. Paléobotanique et Évolution du Monde Végétal: Quelques Problèmes d'Actualité. Paris, France, May.
- Pott, C, H. Kerp and **M. Krings**. 2007. First record of circinate veneration in bennettitalean foliage. Fossile Ökosysteme. 77. Jahrestagung der Paläontologischen Gesellschaft, Freiberg, Sachsen, Germany, September.
- KRISHTALKA, LEONARD**
- Krishtalka, L.** and A. T. Peterson. 2007. Forecasting biodiversity phenomena, Dept. Homeland Security and USDA, April.
- Krishtalka, L.** and T. Dodds. 2007. Understanding and forecasting ecological change . . . in the Central Plains. National Science Foundation, September.
- Krishtalka, L.** 2007. Forecasting environmental phenomena: spread of disease. Department of Homeland Security. Laguna Niguel, CA, June
- Krishtalka, L.** 2007. Ecoforecasting Center for the Central Plains, EPSCoR Annual Symposium, Kansas State University, Manhattan, KS, April.
- MACDONALD, STUART**
- Macdonald, S. J.** 2007. The Maintenance of genetic variation in complex traits: Insights from *Drosophila* bristles. Kansas State University, Division of Biology, Departmental Seminar. Manhattan, KS, November.
- Macdonald, S. J.** 2007. Genetics of complex traits, Plant and Animal Genome Conference XV (Aquaculture Workshop). San Diego, CA, January.

MARTIN, LARRY D.

Martin, L. D. 2007. Gliding dinosaur, hidden bird. National Meeting of the American Association of Professional Paleontologists. Tucson, AZ, February.

Martin, L. D. 2007. Soft tissue preservation in dinosaurs and birds. 41st Annual Meeting South-Central and North-Central Sections of the Geological Society of America. University of Kansas, Lawrence KS, April.

Suarez, C. A., G. L. MacPherson, L. D. Martin, and L. A. Gonzalez. 2007. Laser ablation ICP-MS analysis of fossil bone: preliminary results on rare earth element distribution in different types of fossil bone apatite.

Martin, L. D. 2007. Convergence between mosasaurs and the hesperornithiform birds. Second Mosasaur Meeting. Sternberg Museum of Natural History, Hays, KS, May.

Knight, J. and L. D. Martin. 2007. Comments on the predator-prey population structure, paleoecology, and taphonomy of the Camelot local fauna (Late Irvingtonian), Berkeley County, South Carolina. Tate Museum Annual Conference. Casper, WY, June.

Elder, R. and L. D. Martin. 2007. Osteology of the Triassic Archosaur, *Longisquama*. Kansas Academy of Science, Kansas Wesleyan University, Salina, KS, April.

Martin, L. D. and R. Elder. 2007. The Integument of the Triassic Archosaur, *Longisquama*. Kansas Academy of Science, Wesleyan University, Salina, KS, April.

Martin, L. D. and B. Beatty. 2007. An Antilocaprid from the latest Arikarean (Early Miocene) of Wyoming. Society of Vertebrate Paleontology. University of Texas, Austin, TX, November.

MARTINKO, EDWARD A.

Martinko, E. A., F. deNoyelles, and M.E. Jakubauskas. 2007. Preserving, protecting, and restoring Kansas reservoirs. Kansas Reservoir Summit, University of Kansas, Lawrence, KS, October.

Jakubauskas, M., J. deNoyelles, E. Martinko, S. Campbell, D. Huggins, and A. Dzialowski. 2007. The Applied Science and Technology for Reservoir Assessment (ASTRA) initiative of the Kansas Biological Survey: Applied hydro-acoustics for addressing research and management information needs of Kansas reservoirs. Midwest Fish and Wildlife Conference, Madison, WI, December.

Jakubauskas, M, J. deNoyelles, **E. Martinko**, S. Campbell, D. Huggins, and A. Dzialowski. 2007. The Applied Science and Technology for Reservoir Assessment (ASTRA) initiative of the Kansas Biological Survey: Addressing the research and management information needs of Kansas reservoirs. Water and the Future of Kansas Conference, Topeka, KS, March.

MORT, MARK E.

Mort, M. E. 2007. Inferring relationships among recently derived angiosperm lineages. Botanical Institute, University of Vienna, Vienna, Austria, June.

Mort, M. E. 2007. Inferring relationships among recently derived angiosperm lineages. University of South Dakota, Vermillion, SD, June.

Faculty members in Ecology and Evolutionary Biology gave presentations on their research in 26 states and in 15 countries, including: Australia, Canada, Sweden, France, New Zealand, Indonesia, Japan, Mexico, and Spain.

Mort, M. E. 2007. Evolution and diversification of the Macaronesian Crassulaceae: new insights for rapidly evolving cpDNA regions. Sam Houston State University, Huntsville, TX.

Crawford, D. J, J. K. Archibald, D. Stoermer, **M. Mort**, and A. Santos-Guerra. 2007. Baker's law, breeding systems, and the evolution of *Tolpis* (Asteraceae) in the Canary Islands. Botany, Chicago, IL.

Mort, M. E., B. N. Wendlandt, A. Santos-Guerra, and M. Elgethun. Phylogeny and evolution of the Macaronesian genus *Monanthes* (Crassulaceae) inferred from multiple DNA datasets. Botany, Chicago, IL.

Levsen, N. and **M. E. Mort**. 2007. The Iowa Driftless Area: its role in the ice-age survival and post-glacial recolonization of the boreal forest species *Chrysosplenium iowense* (Saxifragaceae). Botany, Chicago, IL.

O'Leary, T. R, J. K. Archibald, and **M. E. Mort**. 2007. A methodological study of the utility of ISSR data for phylogeny reconstruction in populations of the South African species *Crassula vaginata* (Crassulaceae). Botany, Chicago, IL.

MOYLE, ROBERT G.

Moyle, R. G., M. Lakim and F. H. Sheldon. 2007. The prospects and problems for DNA barcoding of birds: Sabah, Malaysia. All Birds Bar-coding Initiative, Indo-Malayan regional meeting, Singapore, March.

Moyle, R. G., J. Fuchs, E. Pasquet and B. Marks. 2007. Molecular systematics of pygmy kingfishers (Alcedininae). American Ornithologists' Union,

Laramie, WY, August.

Brito, P, C. E. Filardi, **R. G. Moyle**, and S. V. Edwards. 2007. Speciation history of white-eyes (*Zosterops [griseotinctus]*) complex in the Solomon Archipelago: contrast between anonymous nuclear loci and mtDNA. European Society of Evolutionary Biology, Uppsala, Sweden, August.

ORIVE, MARIA E.

Debes, R, T. Marriage, and **M. Orive**. 2007. The effect of asexual reproduction on inbreeding load: a simulation study, Undergraduate Research Symposium, Haskell University, Lawrence, KS, April 24.

PETERSON, A. TOWNSEND

Peterson, A. T. 2007. Studying Ebola and Marburg viruses, Pre-Vet Club, University of Kansas, Lawrence, KS, December.

Peterson, A. T. 2007. Forecasting Avian Influenza Spread, Biology Club, University of Kansas, Lawrence, KS, November.

Peterson, A. T. 2007. Climate Change and Biodiversity, Facts, Ideas, and U.S. Climate Change Policy: A Conference on Climate Change, School of Law, University of Kansas, Lawrence, KS, October.

Peterson, A. T. 2007. Sistemática y Enfermedades de Aves: Una Propuesta para Colaboración en Perú, CORBIDI, Lima, Perú, October.

Peterson, A. T. 2007. Predicting and Mapping the Geography of Disease Emergence, Universidad Peruana Cayetano Heredia, October.

Peterson, A. T. 2007. Alternative Approaches to Identifying Unknown Disease Reservoirs: Marburg and Ebola, School of Public Health, Tulane University, New Orleans, LA, September.

Peterson, A. T. 2007. Predicting and Mapping the Geography of Disease Emergence, School of Public Health, Tulane University, New Orleans, LA, September.

Peterson, A. T. 2007. Global Predictions of Plague Distributions, Museum Lunch Series, Natural History Museum, University of Kansas, Lawrence, KS, September.

- Peterson, A. T.** 2007. Ecoforecasting: Robust Predictions of Biological Phenomena, National Chemical Laboratories, Pune, India, August.
- Peterson, A. T.** 2007. Ecological Niche Modeling Applications to Public Health and Epidemiology, Naval Medical Research Center, Lima, Peru, October.
- Peterson, A. T.** 2007. Biodiversity Informatics and Ecological Niche Modeling, Ashoka Trust for Ecology and the Environment, Bangalore, India, August.
- Peterson, A. T.** 2007. Avian Taxonomy and Systematics: The Critical Role of New Collections from Indonesia, PILI, Bogor, Indonesia, May.
- Peterson, A. T.** 2007. A Nontraditional View of H5N1 Ecology, Wildlife Conservation Society, New York, April.
- Peterson, A. T.** 2007. A Nontraditional View of H5N1 Ecology, PILI, Bogor, Indonesia, 23 May.
- Peterson, A. T.** 2007. Biodiversity Informatics – The Journal, Greater Western Library Alliance, Kansas City, MO, March.
- Peterson, A. T.** 2007. Using Biodiversity Data to Understand the Geography of Disease Transmission, Ecology Seminar, University of Montana, as well as seminars in the Montana Ecology of Infectious Diseases IGERT program, March.
- Peterson, A. T.** 2007. Using Biodiversity Data to Understand the Geography of Disease Transmission, Landcare Research, Hamilton, New Zealand, July.
- Peterson, A. T.** 2007. Reconstructing Pleistocene Geography of Species and Speciation, Yi-Fu Tuan Lecture Series, Department of Geography, University of Wisconsin, Madison, Feb. 2007.
- Peterson, A. T.** 2007. A Nontraditional View of H5N1 Ecology, National Council for Science and the Environment, Washington, DC
- Peterson, A. T., M. B. Robbins, and B. W. Benz.** 2007. Phylogeography and Pleistocene Refuges of Common Nighthawks, Kansas Ornithological Society.

PIEROTTI, RAYMOND

Pierotti, R. R., C. Flores, and S. Joe. 2007. Indigenous people and sustainability. Energy, Environmental Impacts, and Sustainability. Kansas State University, Manhattan, KS, January.

Pierotti, R. 2007. Keepers of the game: Myths or reality. Wannipitei Indigenous Colloquium. Trent University, Peterborough, Ontario, Canada.

Pierotti, R. 2007. The nature of Indigenous science. Department of Zoology and UMEB Program. Arizona State University, Tempe, AZ.

SMITH, DEBORAH R.

Smith, D. R. 2007. *Apis* and *Varroa*: Host-Parasite Co-evolution. Tung Hai University, Taiwan, September.

Smith, D. R. 2007. *Apis* and *Varroa*: Host-Parasite Co-evolution. Apiculture Science Institute of Jilin Province, Jilin City, Jilin, China, August.

Smith, D. R. 2007. *Apis* and *Varroa*: Host-Parasite Co-evolution. Department of Entomology, China Agricultural University, Beijing, China, August.

Smith, D. R. 2007. Biogeography of *Apis cerana*: Implications for Pleistocene Dispersal and *Apis-Varroa* Coevolution, May.

Cho, S, Z. Huang, D. R. Green, **D. R. Smith**, and J. Zhang, 2007. Evolution of the complementary sex-determination gene of honey bees: balancing selection and trans-species polymorphisms. Honey Bee Genomics and Biology Workshop, Cold Spring Harbor, NY, May.

SMITH, VAL H.

Smith, V. H. M. Martín-Cereceda, M. Kyle, and J. J. Elser. 2007. Cellular C:N:P stoichiometry in heterotrophic bacteria – An example of elemental homeostasis in microorganisms (in Spanish). Congreso Sociedad Española de Microbiología, Seville, Spain, September.

Yanik, E. L., and **V. H. Smith**. 2007. Effects of food supply on susceptibility of *Culex* mosquitoes to the fungal biocontrol agent *Beauveria bassiana*. International Society for Limnology, Montréal, Canada, August.

Frost, P. C, D. Ebert, and **V. H. Smith**. 2007. Effects of bacterial disease and elemental food quality on C:N:P composition of *Daphnia magna*. International Society for Limnology, Montréal, Canada, August.

Yanik, E. L., and **V. H. Smith**. 2007. Effect of diet on the susceptibility of *Culex* sp. to *Beauveria bassiana*

infection. American Society of Limnology and Oceanography, Santa Fe, New Mexico, February.

Smith, V. H., and M. S. Smith. 2007. Effects of host nutrient supply on the outcome of infectious disease. Society for Integrative and Comparative Biology, Phoenix, AZ, January.

Frost, P. C, D. Ebert, and **V. H. Smith**. 2007. Ecological stoichiometry of host-parasite interactions: the role of elemental food quality on host life-history responses to infectious disease. Society for Integrative and Comparative Biology, Phoenix, AZ, January.

TAYLOR, EDITH L.

Taylor, E. L. and P. E. Ryberg. 2007. Tree growth at polar latitudes: Permian and Triassic tree rings from Antarctica. Séminaire International - Paléobotanique et Evolution du Monde Végétal: Quelques Problèmes d'Actualité (Paleobotany and the Evolution of Plants: Current Issues), Collège de France, Paris, May.

Ryberg, P. E, and **E. L. Taylor**. 2007. Tree rings as high-latitude paleoclimate proxies. Geological Society of America Abstracts with Program 39(3): 55, Joint 41st South-Central and North-Central Sections, Lawrence, KS, April.

Ryberg, P. E, **E. L. Taylor**, T. N. Taylor. 2007. Buds and branching in the Triassic sphenophyte *Spaciinodum collinsonii*. Botany and Plant Biology, Joint Congress, Chicago, IL, July.

Hermesen, E. J, T. N. Taylor, and **E. L. Taylor**. 2007. An unusual structure (ovule?) from the Middle Triassic of Antarctica. Botany and Plant Biology Joint Congress, Chicago, IL, July.

Schwendemann, A. B, T. N. Taylor, **E. L. Taylor**, and R. Serbet. 2007. Gondwanan ferns from the Triassic of Antarctica. Botany and Plant Biology Joint Congress, Chicago, IL, July.

Doores, A. S, T. N. Taylor, **E. L. Taylor**. 2007. Cycad pollen ultrastructure: Resolution from the Mesozoic. Botany and Plant Biology Joint Congress, Chicago, IL, July.

Serbet, R, T. N. Taylor, and **E. L. Taylor**. 2007. Plant/animal interactions: Cretaceous leaf galls from southern Alberta, Canada. Botany and Plant Biology Joint Congress, Chicago, IL, July.

- Schwendemann, A. B, T. N. Taylor, **E. L. Taylor**, R. Serbet, and E. J. Hermsen. 2007. Permineralized plants from the Jurassic of Antarctica. Botany and Plant Biology Joint Congress, Chicago, IL, July.
- Taylor, E. L.**, T. N. Taylor, and P. E. Ryberg. 2007. Ovule-bearing reproductive organs of the glossopterid seed ferns from the Late Permian of the Beardmore Glacier Region, Antarctica. 10th International Symposium on Antarctic Earth Sciences, Santa Barbara, CA, August.
- Ryberg, P. E. and **E. L. Taylor**. 2007. Silicified wood from the Permian and Triassic of Antarctica: Tree rings from polar paleolatitudes. 10th International Symposium on Antarctic Earth Sciences, Santa Barbara, CA, August.
- TAYLOR, ORLEY**
- Taylor, O.** 2007. Monarch butterfly population dynamics. University of Massachusetts, Boston, MA, November.
- Taylor, O.** 2007. Factors determining of Monarch butterfly populations: Past, present and future. 5th International Conference on the Biology of Butterflies, Frascati, Italy, July.
- TAYLOR, THOMAS N.**
- Taylor, T. N.**, M. Krings, H. Kerp, H. Hass, N. Dotzler, and J. Galtier. 2007. New insights into the Late Paleozoic microbial world: complex microbial and microbe/land plant associations. Palaeobotany and the Evolution of Plants. Collège de France, Paris, May.
- Doores, A, and **T. N. Taylor**. 2007. Exine ultrastructure of pollen grains from *Delemaya spinulosa*, a structurally preserved cycad pollen cone from the Triassic of Antarctica. Geological Society of America Abstracts with Programs 39(3): 55. Joint 41st South-Central and North-Central Sections, Lawrence, KS, April.
- Dotzler, N, M. Krings, **T. N. Taylor**, and J. Galtier. 2007. The non-marine microbial world in the late Paleozoic: new discoveries from Early Devonian and Early Carboniferous cherts. Botany and Plant Biology Joint Congress. Chicago, IL, July.
- Ryberg, P. E, E. L. Taylor, **T. N. Taylor**. 2007. Buds and branching in the Triassic sphenophyte *Spaciinodum collinsonii*. Botany and Plant Biology Joint Congress. Chicago, IL, July.
- Doores, A. S, **T. N. Taylor**, E. L. Taylor. 2007. Cycad pollen ultrastructure: Resolution from the Mesozoic.

Botany and Plant Biology Joint Congress. Chicago, IL, July.

Hermesen, E. J, **T. N. Taylor**, and E. L. Taylor. 2007. An unusual structure (ovule) from the Middle Triassic of Antarctica. Botany and Plant Biology Joint Congress. Chicago, IL, July.

Serbet, R, **T. N. Taylor**, and E. L. Taylor. 2007. Plant/animal interactions: Cretaceous leaf galls from southern Alberta, Canada. Botany and Plant Biology Joint Congress. Chicago, IL, July.

Schwendemann, A. B, **T. N. Taylor**, E. L. Taylor, R. Serbet, and E. J. Hermesen. 2007. Permineralized plants from the Jurassic of Antarctica. Botany and Plant Biology Joint Congress. Chicago, IL, July.

Schwendemann, A. B, **T. N. Taylor**, E. L. Taylor, and R. Serbet. 2007. Gondwanan ferns from the Triassic of Antarctica. Botany and Plant Biology Joint Congress, Chicago, IL, July.

THORP, JAMES H.

Thorp, J. H., and M. C. Thoms. 2007. Different aspects of the Riverine ecosystem synthesis. Chinese Academy of Science's Institute of Hydroecology, Wuhan, China. September/October.

Thorp, J. H. 2007. The Riverine ecosystem synthesis and how to monitor and rehabilitate rivers. Chinese delegation, China, November.

Carroll, T. and **J. H. Thorp**. 2007. Ecology of spring ecosystems. Annual meeting of the North American Benthological Society, Columbia, SC, May-June 2007.

TIMM, ROBERT M.

Timm, R. M. and A. Romero. 2007. Mammal research at La Selva: What do we know. Organization for Tropical Studies' Forest Change Workshop "Tropical Forests in Transition: La Selva as a Case Study, Costa Rica.

McDonough, M. M, L. K. Ammerman, **R. M. Timm**, H. H. Genoways and R. J. Baker. 2007. Molecular and morphological variability within a karyotypically complex species, *Eumops glaucinus*, and its closest relative *Eumops floridanus* (Chiroptera: Molossidae). Southwestern Association of Naturalists annual meeting and American Society of Mammalogists annual meeting.

- Timm, R. M.** and J. A. Esselstyn. 2007. Molecular phylogenetics of Philippine white-toothed shrews. American Society of Mammalogists annual meeting.
- TRUEB, LINDA**
- Spencer, C, M. S. Koo, H. Constable, D. Wake, and **L. Trueb**. 2007. Advances in geo-referencing specimen data for natural history collections. Joint Annual Herpetological Meetings, St. Louis, MO, July.
- Guayasamin, J. and **L. Trueb**. 2007. Evolution of morphology and behavior in Glassfrogs. Oral contribution at Joint Annual Herpetological Meetings, St. Louis, MO, July.
- WARD, JOY K.**
- Samanta Roy, D. and **J. K. Ward**. 2007. Interactions of atmospheric CO₂ and temperature affect flowering time in *Arabidopsis thaliana* ecotypes. Ecological Society of America meeting. San Jose, CA, August.
- Ward, J. K.** 2007. Linking physiological ecology, evolutionary biology, and functional genomics for understanding biotic responses to a changing environment (symposium). Ecological Society of America Meeting. San Jose, CA, August.
- Nippert, J. B, J. J. Butler, Jr, G. K. Kluitenberg, D. W. Whittemore, D. Arnold, and **J. K. Ward**. 2007. *Tamarix ramosissima* physiology and groundwater use during a record drought. Geological Society of America annual meeting. Denver, CO, October.
- Nippert, J. B. and **J. K. Ward**. 2007. Comparing the effects of climate variability and ENSO on tree growth at glacial and modern times. South-central and North-central Joint Section Meeting, *Geological Society of America*. Lawrence, KS, April.
- Samanta Roy D, and **J. K. Ward**. 2007. Contemporary changes in CO₂ and temperature affect the flowering time of *Arabidopsis thaliana*. 5th Annual Ecological Genomics Symposium. Kansas City, MO, November.
- Orozco R. A, C. J. Springer, J. K. Kelly, and **J. K. Ward**. 2007. Identification of quantitative trait loci that affect flowering time of *Arabidopsis thaliana* grown at elevated CO₂. 5th Annual Ecological Genomics Symposium. Kansas City, MO, November.
- WILEY, EDWARD O.**
- Wiley, E. O.** and A. C. Moore. 2007. Evolution and the Structure of Science: A. C. Moore Confronts the Creationists. Lectures in Evolutionary Biology and

Society, University of South Carolina, Columbia, SC, April.

Wiley, E. O., and G. D. Johnson. 2007. Deconstructing euteleost classification. American Society of Ichthyologists and Herpetologists, St. Louis, MO, July.

Presentations by Postdoctoral Fellows

BUSH, SARAH E.

Bush, S. E. 2007. The role of host-parasite and parasite-parasite interactions in determining host specificity. Department of Biology, Utah State University, Utah.

Bush, S. E. and J. R. Malenke. 2007. Host-defense mediates competition between ectoparasites. Rocky Mountain Conference of Parasitology, Denver, CO.

Clayton, D. H., **S. E. Bush**, and C. W. Harbison. 2007. The ecological basis of coevolutionary history: Lessons from lice. Rocky Mountain Conference of Parasitology, Denver, CO.

Clayton, D. H., **S. E. Bush**, and K. P. Johnson. 2007. Host defense reinforces host-parasite cospeciation. Annual meeting of the American Ornithologists' Union. Laramie, WY.

Reed, M. **S. E. Bush**, D. H. Clayton. 2007. Impact of avian habitat quality on biodiversity of ectoparasites: Results from China. Utah Ornithological Society. Provo, UT.

DECOMBEIX, ANNE-LAURE

Meyer-Berthaud B., and **A-L. Decombeix**. 2007. The land plant cover during the Devonian: a reassessment of the evolution of the tree habit and root systems. Workshop MNHN Paris, France.

Decombeix A.-L., McLoughlin S., Meyer-Berthaud B. and Galtier J., 2007. A new tree from the Mississippian (early Carboniferous) of Australia. Joint conference, *Botany and Plant Biolog*, Chicago, IL.

Decombeix A.L., B. Meyer-Berthaud, and J. Galtier. 2007. Evolution of anatomical diversity in Devonian-Carboniferous arborescent lignophytes. *Palaeobotany and Evolution of the Plants' World: Some Current Problems*, Paris, France.

HERMSEN, ELIZABETH

Hendricks, J. R., and E. J. Hermesen. 2007. Paleontologically informed supermatrices: fossils and phylogenetics in the age of genomics. *Geological Society of America Abstracts with Programs* 39(3): 6. Geological Society of America Joint South-Central and North-Central Sections 41st Annual Meeting, Lawrence, KS.

Hermesen, E. J., T. N. Taylor, and E. L. Taylor. 2007. An unusual structure (ovule) from the Middle Triassic of

Antarctica. Botany & Plant Biology 2007 Program & Abstract Book: 214. Chicago, IL.

Schwendemann, A. B., T. N. Taylor, E. L. Taylor, R. Serbet, and **E. J. Hermsen**. 2007. Permineralized plants from the Jurassic of Antarctica. Botany & Plant Biology 2007 Program & Abstract Book: 210. Chicago, IL.

HOUSEMAN, GREG

Houseman, G. R., B. L. Foster and K. Kindscher. 2007. Conversion from HILD to LIHD grasslands by seed addition: impacts on plant diversity and production under hay management. Conference on the Ecological Dimensions of Biofuels, Ecological Society of America.

Houseman, G. R., B. L. Foster and E. J. Questad. 2007. Feedbacks between community assembly and ecosystem function govern the diversity-productivity relationship. Ecological Society of America Meetings. San Jose, CA, August.

HUDMAN, STEPHEN

Hudman, S. 2007. Population genetic effects associated with damming in two river systems. Division of Biology, Kansas State University, Manhattan, KS.

Hudman, S. 2007. Landscape-dependent genetic structure of a minnow population in an impounded river system. American Fisheries Society, San Francisco, CA.

Hudman, S. 2007. Contrasting patterns of genetic diversity and isolation by distance are associated with waterway impoundment in a headwater minnow, *Semotilus atromaculatus*. American Fisheries Society, San Francisco, CA.

Hudman, S. 2007. Molecular and behavioral ecology of Cyprinid fishes. Department of Biology, Georgia Southern University, Statesboro, GA.

PRESTON, JILL

Kost, M., **J. C. Preston**, L. Baldrige, and L. C. Hileman. 2007. Combining studies of gene expression and protein function to determine the role of symmetry genes in the evolution of stamen number. Ecological Genomics Symposium, Kansas City, MO, November.

Preston J. C., and E. A. Kellogg. 2007. Conservation and divergence of *APETALA1/FRUITFULL*-like gene function in grasses: evidence from gene expression analyses. Joint conference, Botany and Plant Biology. Chicago, IL, July.

Preston J. C., T. Consiglio, G. Davidse, I. Jiménez. 2007. Future climate change and habitat tracking by highland grasses endemic to Central America. Joint conference, Botany and Plant Biology. Chicago, IL, July.

Preston J. C., and E. A. Kellogg. 2007. Complex patterns of *APETALA1/FRUITFULL*-like gene expression in grasses: implications for spikelet development. Maize Genetics Conference, St. Charles, IL, March.

Presentations by Graduate Students

ABE, FRANCINE

Abe, F. 2007. Investigating evolutionary radiations using morphometrics, biogeography, and speciation rates: A case study involving Devonian trilobites. Annual Meeting of the Geological Society of America, Denver, CO, October.

BECKER, CORNELIA

Graduate Students in Ecology and Evolutionary Biology gave presentations on their research in 12 states and in a number of international countries including: South Korea, Sweden, Portugal, Brazil, India, and Germany.

Becker, C. 2007. The monarch butterfly (*Danaus plexippus*) fall migration: Relationship of size and mass to phase of the migration and latitude. Entomology seminar series. University of Kansas, Lawrence, KS, April.

Becker, C. 2007. Is there a size-determined selection during fall migration in the monarch butterfly (*Danaus plexippus*)? GSO Annual Retreat, University of Kansas, Lawrence, KS, October.

BENNETT, DANIEL

Bennett, D. J. 2007. More stuff about Hawaiian wasps. Division of Entomology seminar series, University of Kansas, Lawrence, KS, March 2007.

BENTLAGE, BASTIAN

Bentlage, B. 2007. Conservatism of ecological niches in cubozoa. Second Annual Cnidarian Tree of Life Workshop and Student-Postdoc Symposium, Cnidarian Phylogenetics and Evolution, St. John, US Virgin Islands, July.

Bentlage, B. A. G. Collins, and P. Cartwright. 2007. Prospects of molecular systematics for cubozoa. Second International Jellyfish Blooms Symposium. Gold Coast, Australia.

Bentlage, B. 2007. Ecological niche conservatism in box-jellyfishes. Second International Jellyfish Blooms Symposium, Diversity: from Adenine to Zoogeography. Gold Coast, Australia.

Bentlage, B. and G. Wörheide. 2007. Phylogeography of *pericharax heteroraphis* (Porifera) from the Great Barrier Reef. Society for Integrative and Comparative Biology, Biogeography and Phylogenetics. Phoenix, AZ.

BENZ, BRETT

Benz, B. 2007. Molecular phylogenetics and species limits in Celeus Woodpeckers (Aves: Picidae)

- Benz, B.** and M. B. Robbins. 2007. Poster at the national meeting of the American Ornithologists' Union in Laramie, WY, August.
- BONACCORSO, ELISA** **Bonaccorso, E.** 2007. A molecular phylogeny of the *Cyanolyca* Jays and its implications for historical biogeography and speciation. The national meeting of the American Ornithologists' Union in Laramie, WY, August.
- CARROLL, TERESA M.** **Carroll, T. M.** 2007. The effect of resource pulses and spatial subsidies on foodweb dynamics and community structure in KARST Springs of the Ozarks. American Benthological Society Annual International Meeting. Columbia, SC, June.
- COLE, JEFFREY** **Cole, J.** 2007. *Tibicen* "trembler", a new cryptic species of cicada within *Tibicen dorsatus* (Say) revealed by calling song (Hemiptera: Cicadoidea: Cicadidae), EEB GSO Retreat, University of Kansas, Lawrence, KS, November.
- Cole, J.** 2007. Sound producing insects. Johnson County Community College, Overland Park, KS, October.
- Cole, J.** 2007. Is sexual selection driving speciation in shield-back katydids? An interpopulation comparison of female preferences for male calling songs (poster), Animal Behavior Society National Meeting, Burlington VT, July.
- COLLINS, CATHY** **Collins, C.** 2007. A model predicting the influence of soil nutrient status on mycorrhizal symbioses: consequences for plant community diversity and ecosystem function. International Soil Ecology Course, Netherlands, Spring.
- Collins, C. D., R. D. Holt, and B. L. Foster.** 2007. Patch size affects plant extinction rates during succession in an experimentally fragmented grassland. US-IALE Landscape Ecology Conference, Spring.
- Collins, C. D.** 2007. The influence of soil nutrient status on mycorrhizal symbioses: consequences for plant community diversity and ecosystem function, Kansas Biological Survey, Lawrence, KS, Spring.
- Collins, C. D. and B. L. Foster.** 2007. The influence of soil nutrient status on mycorrhizal symbioses: consequences for plant community diversity. Ecological Society of America Conference, Summer.

CROWTHER, ANDREA

Crowther, A. 2007. A symbiotic relationships between a sea anemone *Bunodeopsis?* and the crab *Lybia*. University of Kansas Natural History Museum Graduate Student Retreat, Lawrence, KS, November.

Crowther, A. 2007. A new species of shell-forming sea anemone from Australia. The University of Kansas Chapter of Sigma Xi Research Paper Competition. 3rd place in early graduate student division, March.

DAVIS, MATTHEW

Davis, M. P. 2007. Relationships within the order Aulopiformes: A molecular approach based on nuclear and mitochondrial gene sequences. American Society of Ichthyologists and Herpetologists, St. Louis, MO, July.

Davis, M. P., and N. I. Holcroft. 2007. Interrelationships of the Goatfishes (Perciformes: Mullidae based on nuclear and mitochondrial gene sequences. Poster. American Society of Ichthyologists and Herpetologists. St. Louis, MO, July.

DAVIS, STEVE

Davis, S. 2007. Phylogeny of Baridinae (Coleoptera: Curculionidae). Weevil symposium at Entomological: Annual meeting of the Society of America, San Diego, CA, December.

Davis, S. 2007. Wing locking mechanisms in the weevil subfamily Baridinae (Coleoptera: Curculionidae). Entomological Society of America's annual meeting, San Diego, CA, December.

Davis, S. 2007. Evolution of baridine weevils (Coleoptera: Curculionidae), preliminary analyses. Entomology Seminar, University of Kansas, Lawrence, KS, November.

Davis, S. 2007. Morphological phylogenetics of the weevil subfamily Baridinae (Coleoptera: Curculionidae), a preliminary analysis. 13th Annual Graduate Student Retreat, University of Kansas, Lawrence, KS, November.

Davis, S. 2007. Wing locking mechanisms in the weevil subfamily Baridinae (Coleoptera: Curculionidae). Poster, International Congress of Insect Biotechnology and Industry (ICIBI), Daegu, South Korea, August.

Davis, S. 2007. Weevil diversity in Miocene Dominican amber: A preliminary overview (Coleoptera: Curculionidae). 83rd annual meeting of the Central States

Entomological Society, Emporia State University,
Emporia, KS, April.

Davis, S. 2007. A review of the fig wasp genus *Ceratosolen* Mayr (Hymenoptera: Agaonidae) in the Philippines, with the description of a new species. 83rd annual meeting of the Central States Entomological Society, Emporia State University, Emporia, KS, April.

Davis, S. 2007. Weevils (Coleoptera: Curculionidae) of early Miocene amber from the Dominican Republic. Poster, KU Graduate and Undergraduate Research Symposium, Lawrence, KS, April.

Davis, S. 2007. Weevil diversity in Miocene Dominican amber: A preliminary overview (Coleoptera: Curculionidae). Sigma Xi Research Paper Competition, University of Kansas, Lawrence, KS, March.

Davis, S. 2007. Weevil diversity in Miocene Dominican amber: A preliminary overview (Coleoptera: Curculionidae). Poster, Graduate Student Research Competition, University of Kansas, Lawrence, KS, March.

DEVANEY, SHANNON C.

DeVaney, S. C. 2007. The first record of *Neocyema* in the North Atlantic. 12th Annual Natural History Museum Graduate Student Retreat, Lawrence, KS, November.

DeVaney, S. C. 2007. Phylogenetic placement of the Bobtail Snipe Eels (Cyematidae) and elopomorph relationships. Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO, July.

DeVaney, S. C. 2007. Phylogenetic origins of neoteleostei and placement of Stomiiformes. Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO, July.

EMRY, DAVID JASON

Emry, D. J. 2007. Measuring and predicting *L. cuneata* spread in a Kansas old field. Ecological Society of America. San Jose, CA, August.

ESSELSTYN, JACOB

Esselstyn, J. 2007. Molecular phylogenetics of Philippine white-toothed shrews, American Society of Mammalogists, Albuquerque, NM, June.

Esselstyn, J. 2007. Phylogeny and biogeography of Philippine white-toothed shrews, University of Kansas Biodiversity Research Center, Lawrence, KS, April.

- EVANS, NATHANIEL** **Evans N.** 2007. Phylogenetic placement and biogeography of *Polypodium hydriforme*. Second Annual Cnidarian Tree of Life Workshop and Student-Postdoc Symposium, Cnidarian Phylogenetics and Evolution, St. John, U. S. Virgin Islands, July.
- FINCH, DEBORAH** **Finch, D.** and H. Alexander. 2007. An experimental study of ecotones: The effect of habitat on the population biology of *Carex blanda*, Ecological Society of America, San Jose, CA, August.
- GRAMARYE, JUSTIN** **Gramarye, J.** 2007. Taught evolution unit. G. W. Community School, Springfield, VA, January.
- HINOJOSA DIAZ, ISMAEL, A.** **Hinojosa-Diaz, I. A.** 2007. Orchid bees, some insights about their morphology, taxonomy and beauty, Natural History Museum Lunch Seminar, University of Kansas, Lawrence, KS, January.
- HOSNER, PETER A.** **Hosner, P. A.** 2007. Natural history and conservation of the endangered Cochabamba Mountain-Finch. Natural History Museum GSO Retreat, University of Kansas, Lawrence, KS, November.
- JENG, MING-LUEN** **Jeng, M-L,** M. S. Engel, and P-S Yang. 2007. Two remarkable new genera of fireflies (Coleoptera: Lampyridae) from Asia. International Symposium of Firefly Research. Parque Biológico de Gaia, Porto, Portugal, June.
- KOCH, KENDRA** **Koch, K,** 2007. The lecanicephalidean fauna of three species of eagle rays of the genus *Aetomylaeus* (Myliobatiformes: Myliobatidae). The University of Kansas Natural History Museum GSO Retreat, Lawrence, KS, November.
- LEGRA, LEO** **Legra, L.** 2007. The New Guinea Harpy Eagle, *Harpyopsis novaeguineae*. University of Kansas Natural History Museum GSO Retreat, Lawrence, KS, November.
- LEVSEN, NICHOLAS** **Levsen, N.** and M.E. Mort. 2007. The Iowa Driftless Area: its role in the ice-age survival and post-glacial recolonization of the boreal forest species *Chrysosplenium iowense* (Saxifragaceae). Botanical Society of America Conference, Chicago, IL, July.
- LINKEM, CHARLES** **Linkem, C. W,** R. M. Brown, and J, A. McGuire. 2007. Molecular phylogenetics and biogeography of the emerald skink (*Lamprolepis smaragdina*). University of Kansas Natural History Museum and Biodiversity

- Research Center, Museum lunch series, Lawrence, KS, November.
- LONG, QUINN**
- Long, Q.** 2007. Disturbance regimes alter forb colonization in warm-season grass plantings. National Conference on Ecosystem Restoration, Kansas City, MO, April.
- Long, Q.** 2007. Botanical education at Baker Wetlands. Broken Arrow Elementary field trip. Lawrence, KS, May.
- Long, Q.** 2007. Disturbance regimes alter forb colonization in warm-season grass plantings. Poster Presentation. Self Fellowship Graduate Research Symposium, University of Kansas, Lawrence, KS, December.
- MAHER, SEAN P.**
- Maher, S. P.** 2007. Non-volant small mammals and climate change. *Invited briefing*. Rocky Mountain National Park Climate Change Adaptations Workshop. Estes Park, CO, November.
- Maher, S. P.** 2007. Rocky's charismatic little mammals: The small mammals of RMNP. *Invited seminar*. Science in the Park. Estes Park, CO, July.
- Maher, S. P.** 2007. Pleistocene refugia reconstructed for extant mammals of the continental United States. American Society of Mammalogists. Albuquerque, NM, June.
- MARRIAGE, TARA N.**
- Marriage, T. N.** 2007. The effect of partial asexual reproduction on genetic load: An experimental study of *Mimulus guttatus*. Ecological Genomics Symposium. Kansas City, MO, November.
- Marriage, T. N.** 2007. Guest lecture, Biol 413, History and Diversity of Organisms. Introduction to the Viridiplantae. University of Kansas, Lawrence, KS, September.
- Marriage, T. N.** 2007. Guest lecture, Biol 350 Genetics. Transcription and translation. University of Kansas, Lawrence, KS, June.
- MCLEOD, DAVID S.**
- McLeod, D. S.** 2007. They call me "kuhlii": Uncovering diversity in an Asian frog. Joint meetings of Ichthyologists and Herpetologists. St. Louis, MO, July.
- MICKLE, KATHRYN**
- Mickle, K.** 2007. Fossil lower Actinopterygians—hurdles faced while investigating their diversity and

relationships, Natural History Museum GSO Retreat, University of Kansas, Lawrence, KS, November.

Mickle, K. 2007. Digging for 318 million year old fish in Montana; and a Swedish fish conference, University of Kansas Natural History Museum, Lawrence, KS, October.

Mickle, K. 2007. Fossil ray-finned fishes—hurdles faced while investigating their diversity and relationships, Ohio State University Stone Laboratory, Put-In-Bay, OH, October.

Mickle, K. 2007. A new platysomid from the late carboniferous of Kansas, 40th Anniversary Symposium on Early Vertebrates/Lower Vertebrates, Uppsala, Sweden, August.

MILLER, GINGER

Miller, G. 2007. Species delineation by calling song in two hybridizing meadow katydids (Orthoptera, Tettigoniidae). National Meeting of the Animal Behavior Society, poster presentation, Burlington, VT, July.

MURPHY, CHERYL

Murphy, C. A. and B. L. Foster. 2007. Effects of fertilization and haying on soil bacterial communities in a northeastern Kansas experiment. Ecological Society of America, San Jose, CA, August.

Murphy, C. A. 2007. Feedback effects among plant species diversity and soil microbial communities and its importance to ecosystem processes within tallgrass prairie. Postgraduate Course; Soil Ecology: Crossing the frontier between below- and above-ground. Wageningen, The Netherlands, February.

NAJERA, DANIEL A.

Najera, D. A. 2007. Amazing intelligence in the honeybee. Kansas Honey Producers, Lawrence, KS, October.

Najera, D. A. 2007. Cognition, the artwork of the nervous system. Washburn University, Topeka, KS, April.

Najera, D. A. 2007. Cognition, The Artwork of the Nervous System, Kansas State University, Manhattan, KS, April.

NAWROCKI, ANNALISE

Nawrocki, A. M. and P. Cartwright. 2007. Phylogenetic placement of hydra: evidence from nuclear and mitochondrial markers. International Workshop, Hydra and Development of Animal Form, Tutzing, Germany, September.

- OAKS, JAMIE**
- Oaks, J.** 2007. Almost to the top of Phnom Samkos: Field work in the Cardamom Mountains of Cambodia. Herpetology Lunch Seminar. University of Kansas, Lawrence, KS, October.
- Oaks, J.** 2007. Phylogenetic systematics and biogeography of the true crocodiles (*Crocodylus*). KU Natural History Museum Lunch Seminar. University of Kansas, Lawrence, KS, November.
- O'LEARY, THOMAS**
- O'Leary, T. R., J. K. Archibald, M. E. Mort.** 2007. Methodological issues for the analysis of ISSR data in the phylogeny reconstruction of recently radiated taxa: A case study from *Crassula vaginata* (Crassulaceae). Natural History Museum Graduate Student Retreat. University of Kansas, Lawrence, KS, November.
- OLIVEROS, CARL**
- Oliveros, C.** 2007. Conservation of the Calayan rail. GSO Annual Retreat, University of Kansas, Lawrence, KS, October.
- OWENS, HANNAH**
- Owens, H.** 2007. Species of *Phoreiobothrium* (Cestoda: Onchobothriidae) in the Blacktip shark (*Carcharhinus limbatus*) from the Gulf of Mexico and their potential applications as biological tags. University of Kansas Natural History Museum Graduate Student Association. Lawrence, KS, October.
- PALIKIJ, JASON**
- Palikij, J.** 2007. When do bees make a beeline? Sigma Xi Student Research Paper Competition, University of Kansas, Lawrence, KS, March.
- QUESTAD, ERIN**
- Questad, E.** 2007. Disturbance, dispersal limitation, and community assembly in restored grassland metacommunities. Ecological Society of America/Society for Ecological Restoration meeting. San Jose, CA, August.
- Questad, E. J., B. L. Foster, S. Jog, and K. Kindscher.** 2007. Land-use and community assembly in a grassland landscape. United States Regional Association of the International Association for Landscape Ecology. Tucson, AZ, April.
- Houseman, G. R, B. L. Foster and **E. J. Questad.** 2007. Feedbacks between community assembly and ecosystem function govern the diversity-productivity relationship. Ecological Society of America Meetings. San Jose, CA, August.

- REED, ALEXIS** **Reed, A.** 2007. Moisture availability as an influence on the stable oxygen and carbon isotopes of *Quercus rubra* tree-rings. Ecological Society of America, poster presentation, San Jose, CA, August.
- ROELS, SARAH B.** **Roels, S. B.** 2007. Experimental evolution of mating system under varying pollinator availability in *Mimulus guttatus*. National meeting of Sigma Xi. Orlando, FL, November.
- ROMERO, ANDREA** **Romero, A.**, R. M. Timm, D. K. McClearn, I. Boittin. 2007. Terrestrial mammals at La Selva: What might we know? *Forest Change Workshop*, La Selva Biological Station; Costa Rica.
- RYBERG, PATRICIA** **Ryberg P. E.** 2007. Ovule-bearing organs of the glossopterid seed ferns from the Late Permian of the Beardmore Glacier region, Antarctica. 10th International Symposium on Antarctic Earth Sciences, Santa Barbara, CA, August.
- Ryberg P. E.** 2007. Buds and branching in the Triassic sphenophyte *Spaciinodum collinsonii*. Botanical Society of America, Chicago, IL, July.
- Ryberg P. E.** 2007. Permian and Triassic trees as high-latitude paleoclimate indicators. Sigma Xi Student Research Competition Lawrence, KS, April.
- Ryberg P. E.** 2007. Trees rings as high latitude paleoclimate proxies. South-Central/North-Central Sectional Meeting of the Geological Society of America, Lawrence, KS, April.
- SAMANTA ROY, DEBOSREE** **Samanta Roy, D.** 2007. Interactions of atmospheric CO₂ and temperature affect flowering time in *Arabidopsis thaliana* ecotypes. Ecological Society of America Annual Meeting, San Jose, CA, August.
- Samanta Roy, D.** 2007. Contemporary changes in CO₂ and temperature affect the flowering time of *Arabidopsis thaliana*. Poster presentation, 5th Annual Ecological Genomics Symposium, Kansas City, MO, November.
- SCHMIDT, SARAH** **Schmidt, S.** 2007. Effects of hydrogeomorphic change on ecosystem metabolism in the Kansas River. University of Kansas Natural History Museum Graduate Student Organization Annual Retreat, Lawrence, KS, November.

- SCHWENDEMANN, ANDREW** **Schwendemann, A.** 2007. Gondwanan ferns from the Triassic of Antarctica. Botanical Society of America, Chicago, IL, July.
- Schwendemann, A.** 2007. Permineralized plants from the Jurassic of Antarctica. Botanical Society of America, Chicago, IL, July.
- SILER, CAMERON** **Siler, C. D.** 2007. Phylogeography and partitioned genetic analysis of Philippine Bent-Toed Gekkos (Genus *Cyrtodactylus*). Joint Meeting of Ichthyologists and Herpetologists. St. Louis, MO, July.
- SU, YONG-CHAO** **Su, Y. C., Smith, D, and Tso, I. M.** 2007. Allopatric fragmentation of funnel web spider populations, *Macrothele taiwanensis* and *M. holsti* (Mygalomorphae, Hexathelidae), on East Asian Islands. 17th International Congress of Arachnology. Sao Pedro, Brazil, August.
- SUKUMARAN, JEET** **Sukumaran, J.** 2007. Comparative phylogeography of microhyla: testing biogeographic hypotheses using relative divergence time estimation (preliminary results). Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO, July.
- TIEMANN, LIZA** **Tiemann, L.** 2007. Grassland and forest soil organic matter transformations and microbial function in the North American Midwest. Ecological Society of America, San Jose, CA, August.
- WILLIAMS, RICHARD** **Williams, R.** 2007. Predictable ecology and geography of avian influenza (H5N1) transmission in Nigeria and West Africa. American Ornithological Union Annual Meeting, WY, August.
- Williams, R.** 2007. Ecological niche modelling and disease. Joint Workshop on Ecological Forecasting: An Indo-US Initiative, Indo-US Science and Technology Forum, Pune, India, August.
- Williams, R.** 2007. Serosurvey for West Nile virus in Kansas Ecological Reserves and other sites in Kansas, KSR. The University of Kansas Biodiversity Institute, Lawrence, KS, May.

Extramural Funding Received by Faculty

- ALEXANDER, HELEN M.** **U.S. Department of Agriculture.** 2007–2010. \$396,725.
Effects of early life history stages and competition on crop gene introgression in wild sunflower. (PI with 2 others)
- National Fish and Wildlife Foundation.** 2007–2008, \$75,953. Prairie restoration and outreach in Eastern Kansas – Phase II. (co-PI with 7 others)
- BILLINGS, SHARON** **National Institute for Global Environmental Change.** 2005–2007, \$236,874. Linking microbial activity and soil organic matter transformations in forest soils under elevated CO₂. (PI with 1 other)
- National Science Foundation,** 2005–2008, \$323,538.
Enhancement of research and education facilities at the University of Kansas Field Station. (co-PI with 4 others)
- U.S. Department of Agriculture, U.S. Forest Service,** 2006–2007, \$20,000. Assessing predisposition to red oak borer–induced oak mortality using dendrochronological techniques. (PI)
- National Science Foundation, EPSCoR,** 2006–2009, \$75,000. Eco–forecasting in the Great Plains. (co-PI with multiple investigators)
- BROWN, RAFE M.** **National Science Foundation, Systematic Panel Grant,** 2007–2010, \$244,481. Collaborative Research: Comparative Biogeography of Sulawesi – Phylogenetic and Coalescent Analyses of Diversification in Frogs, Lizards, and Monkeys. (PI and linked with UC Berkeley and McMaster University, Canada)
- National Science Foundation,** 2004–2009, \$750,000.
Biodiversity surveys in the southern borderlands of the People’s Republic of China. (co-PI with 3 others)
- National Science Foundation Assembling the Tree of Life Grant,** AmphibiaTree—an Integrated, Phylogenetic and Bioinformatic Approach to the Tree of Amphibians, 2003–2008, \$237,000. (co-PI with 1 other)
- BU.S.BY, WILLIAM** **U.S. Department of Defense, U.S. Air Force,** 2005–2007, \$71,460. A natural features inventory of the Smoky Hill ANG range–control and abatement of invasive and non–native species. (PI with 4 others)

In 2007 faculty in EEB performed research on grants totaling more than \$38 million in extramural funds.

New Mexico Department of Game and Fish, 2005–2007, \$129,533. The conservation status of birds, reptiles, amphibians, and habitat of concern in the Gila River riparian zone. (Co-PI with 1 other)

U.S. Department of Defense, U.S. Air Force, 2002–2007, \$270,341. A natural features inventory of the Smokey Hill ANG Range. 2002–2007. (PI with 3 others)

National Fish and Wildlife Foundation, 2007–2008. \$65,953. Prairie Restoration and Outreach in Kansas II. (co-PI with 6 others)

U.S. Dept. of Defense, U.S. Air Force, 2005–2007. \$71,460. A natural features inventory of the Smoky Hill ANG range—control and abatement of invasive and non-native species. (PI with 3 others)

U.S. Department of Defense, U.S. Army, 2007–2008. \$100,000. A Natural Areas Inventory of the Fort Leavenworth Military Reservation, Kansas. (PI with 3 others)

Kansas Department of Wildlife and Parks, 2007–2009. \$240,760. A Systematic Inventory for Natural Areas and Habitat of Protected and Rare Species in Anderson and Linn Counties, and Implementation of Previous U.S. and Current Findings in Northeast Kansas Counties. (co-PI with 3 others).

CARTWRIGHT, PAULYN

National Science Foundation, 2005–2010, \$1,610,000. Assembling the Tree of Life: An integrative approach to investigating cnidarian phylogeny. (PI with 2 others)

DENOYELLES, FRANK

National Science Foundation, 2004–2007, \$323,538. Enhancement of research and education facilities at the University of Kansas Field Station. (co-PI with 8 others)

National Fish and Wildlife Foundation, 2004–2007, \$10,000. Wetland and wet meadow restoration on the Robinson tract. (co-PI with 2 others)

Kansas Water Office, 2006–2007, \$60,000. Bathymetric surveys of public water supply reservoirs. (co-PI with 2 others)

Kansas Water Office, 2006–2007, \$99,602. Development of predictive models for the management of taste and odor events in Kansas Reservoirs – Phase 1 Research. (co-PI with 3 others)

- Environmental Protection Agency (STAR).** 2003–2007, \$1,149,266. Watershed classification system for tiered diagnosis of biological impairments: a scalable, Central Plains focus U.S. with national applicability. (co-PI with 7 others)
- Kansas Water Office,** 2007–2008, \$165,000. Bathymetric surveys of Kansas reservoirs containing public water supply storage. (co-PI with 3 others)
- Kansas Department of Wildlife and Parks and U.S. Fish and Wildlife Service.** 2007–2008, \$57,000. Long-term maintenance and continued study of two distinct captive-bred populations of Topeka Shiner (*Notropis topeka*) at the University of Kansas Field Station and Ecological Reserves. (co-PI with 2 others)
- ENGEL, MICHAEL S.**
- National Science Foundation,** 2005–2007, \$235,998. New insect cabinetry for the Division of Entomology, University of Kansas Natural History Museum and Biodiversity Research Center. (PI)
- National Science Foundation,** 2003–2008, \$228,825 AToL: Collaborative research: Large-scale phylogeny of Hymenoptera. (PI)
- National Science Foundation,** 2006–2009, \$117,433. Collaborative research: Cretaceous U.S. insects and the origins of modern insect diversity. (PI)
- National Science Foundation,** \$235,258, 2007–2010. Collaborative research: Phylogenetic reclassification and generic revision of the rove beetle tribe Staphylinini. (co-PI with 1 other).
- National Science Foundation,** \$498,821, 2007–2008. Expansion of the collections of the University of Kansas Natural History Museum & Biodiversity Research (co-PI with 4 others)
- DIMMICK, WALTER**
- Kansas Department of Wildlife and Parks and U.S. Fish and Wildlife Service.** 2007–2008, \$57,000. Long-term maintenance and continued study of two distinct captive-bred populations of Topeka Shiner (*Notropis topeka*) at the University of Kansas Field Station and Ecological Reserves. (co-PI with two others)
- FAUTIN, DAPHNE**
- National Science Foundation,** 2005–2010, \$1,610,000. Assembling the tree of life: An integrative approach to investigating cnidarian phylogeny. (co-PI with 2 others)

- AU.S.tralian Biological Resources Study, 2004–2007.**
\$179,852. AU.S.tralia’s anemones – a revision of their taxonomy, distribution patterns and biodiversity. (co–PI with 3 others)
- Environmental Protection Agency, 2004–2007, \$242,954.**
Effects of climate change on ecosystem services provided by Hawaiian coral reefs. (co–PI with 2 others)
- FOSTER, BRYAN L.**
- National Science Foundation–DBI–Biological Field Stations and Marine Labs, 2004–2007, \$323,538.**
Enhancement of research and education facilities at the University of Kansas Field Station. (PI with 4 others)
- U.S. Department of Agriculture, National Forest Service, 2004–2009, \$337,351.** Experiments in landscape–scale restoration and community assembly at Savannah River. (PI)
- National Science Foundation – Ecological Studies, \$480,000, 2006–2011.** Grassland community coalescence and diversity in response to nitrogen eutrophication: the interplay of species pools, niche–determinism and neutral processes. (PI)
- National Fish and Wildlife Foundation–Phase II, \$75,953.**
2007–2008. Prairie restoration and outreach in Eastern Kansas. (co–PI with 8 others)
- U.S. Department of Agriculture – NRI, 2002–2007, \$350,000.** Multi–scaled constraints on biodiversity and ecosystem function in the secondary grasslands of eastern Kansas. (PI with 1 other)
- National Science Foundation, 2001–2007, \$362,745.** Plant productivity–diversity relationships: an experimental evaluation of the roles of local ecological processes and species pool effects. (PI with 1 other)
- FREEMAN, CRAIG**
- U.S. Department of Defense, U.S. Air Force, 2005–2007, \$71,460.** A natural features inventory of the Smoky Hill ANG range–control and abatement of invasive and non–native species. (co–PI with 4 others)
- U.S. Air Force, Smoky Hill Air National Guard Range, 2003–2007. \$270,341.** A natural features inventory of the Smoky Hill ANG Range. (co–PI with 3 others)
- U.S. Department of Agriculture, 2006–2007, \$140,000.** Taxonomic concept mapping and associated data maintenance for the U.S.DA PLANTS database. (PI)

- National Science Foundation**, 2006–2007, \$12,698.
Herbarium improvement and development of a consolidated vascular plant database for western South Dakota and eastern Wyoming. (PI)
- U.S. Environmental Protection Agency**, 2007–2009, \$325,499. Assessment of floodplain wetlands of the lower Missouri River U.S.ing an EMAP study approach phase II: verification of rapid assessment tools. (co–PI)
- U.S. Department of Defense**, 2007–2008, \$100,000. A natural features inventory of the Ft. Leavenworth Military Reservation, Kansas. (co–PI with 3 others)
- Kansas Department of Wildlife and Parks**, 2007–2009, \$240,760. Systematic inventory for natural areas and habitate for protected and rare species in Anderson and Linn counties, and implementation of previoU.S. and current findings in northeast Kansas counties. (co–PI with 3 others)
- U.S. Department of Agriculture**, 2007–2008, \$88,000. Taxonomic concept mapping and associated data maintenance of the U.S.DA PANTS database: Supplement. (PI)
- GLEASON, JENNIFER**
- National Science Foundation**, 2005–2009, \$480,000.
Genotype x environment interaction and the evolution of sexually–selected traits. (PI with 1 other)
- National Science Foundation**, 2004–2009, \$532,500.
CAREER: The genetics of species differences:
Drosophila courtship signals and their preferences. (PI)
- HILEMAN, LENA**
- National Science Foundation**, 2006–2009, \$357,323. The role of symmetry genes in establishing petal and stamen phenotypic diversity. (PI)
- HOLDER, MARK**
- National Science Foundation**, 2007–2008, \$668,640.
Collaborative Research: Large–scale simultaneoU.S. multiple alignment and phylogeny estimation. (PI with 3 other institutions)
- National Science Foundation Subcontract**, 2007–2008, \$41,410. Cyber Infrastructure for Phylogenetic Research. (subcontractor with PI)
- JENSEN, KIRSTEN**
- National Science Foundation–Biodiversity Surveys & Inventories Program Collaborative Research**, 2006–2009, \$211,485. A survey of the elasmobranches and

their metazoan parasites of Indonesian Borneo (Kalimantan). (PI)

National Science Foundation–Biodiversity Surveys & Inventories Program Collaborative Research: REU Supplement. 2007–2008. \$6,000. Collaborative Research: A survey of the elasmobranchs and their metazoan parasites of Indonesian Borneo (Kalimantan). (PI)

KELLY, JOHN K.

National Science Foundation, 2005–2008, \$272,000. A genomic experiment to determine the nature of epistasis in *Mimulus guttatus*. (PI)

National Science Foundation, 2005–2008, \$634,274. Plant Evolution at Elevated CO₂: Physiological and genetic mechanisms controlling developmental timing. (co-PI with 1 other)

National Institute of Health, 2006–2011, \$1,679,092. Genomic analysis of complex trait variation in *Mimulus*. (PI with 1 other)

National Science Foundation, 2006–2007, \$6,000. REU supplement. A genomic experiment to determine the nature of epistasis in *Mimulus guttatus*. (PI)

National Science Foundation, 2006–2009, \$236,275. Estimation and Interpretation of Allele Frequencies: Novel Theoretical Analyses and High-Throughput Quantitation by DNA Pooling. (substitute PI)

KINDSCHER, KELLY

Little Priest Tribal College, 2006–2008, \$27,008. Winnebago ethnobotany and botanical resources project. (PI)

National Park Service, 2006–2007, \$13,156. Vegetation mapping and plant certification at Fort Larned NHS. (PI with 1 other)

Prairie Fork Conservation Fund, 2005–2008, \$17,796. A comparison of multiple strategies for the introduction of native forbs to warm season grass plantings. (PI)

National Fish and Wildlife Foundation, 2007–2008, \$75,953. Prairie restoration and outreach in Eastern Kansas – Phase II. (co-PI with 8 others)

National Fish and Wildlife Foundation, 2005–2007. \$80,000. Prairie restoration and outreach in Eastern Kansas. (co-PI with 6 others)

New Mexico Department of Game and Fish, 2005–2008, \$129,533. Birds, reptiles, amphibians and habitat of concern in the Gila River Riparian zone. (PI with 1 other)

U.S. Department of Agriculture, 2002–2007, \$350,000. Multi-scaled constraints on biodiversity and ecosystem function in the secondary grasslands of Eastern Kansas. (co-PI with 1 other)

Kansas Department of Wildlife and Parks, 2007–2009, \$240,760. A systematic inventory for natural areas and habitat of protected and rare species in Anderson and Linn Counties, and implementation of previous U.S. and current findings in Northeast Kansas Counties. (PI with 3 others).

U.S. Department of Agriculture, 2007–2010, \$79,230. Vegetation classification and mapping for the Tallgrass Prairie National Preserve and Homestead National Monument.

National Fish and Wildlife Foundation, 2007–2008. \$39,985. Measuring habitat quality using floristic quality assessment techniques in select locations in the Cherokee County Superfund Site.

U.S. Fish and Wildlife Foundation, 2007–2008. \$5,000. Mead's milkweed monitoring/ management plan for Marais des Cygnes National Wildlife Refuge.

U.S. Department of Defense, U.S. Army, 2007–2008. \$100,000. A Natural Areas Inventory of the Fort Leavenworth Military Reservation, Kansas: Follow-up Studies. (co-PI with 3 others).

NatureServe, 2007–2008. \$6,500. Land-Fire Central U.S. Plot vegetation data.

KRINGS, MICHAEL

Deutsche Forschungsgemeinschaft, 2006–2007, \$35,000. Die obertriassische Flora von Lunz (Niederösterreich) unter besonderer Berücksichtigung der Samenpflanzen: Systematik, Paläobiologie, Paläoökologie. (PI)

National Science Foundation, 2006–2009, \$385,000. Fossil microbes from the Rhynie chert Lagerstätte. (co-PI with 1 other)

KRISHTALKA, LEONARD

National Science Foundation, EPSCoR, 2006–2009, \$6,837,783. An Ecoforecasting Center for the Great Plains. (PI with 5 others)

	<p>National Science Foundation, 2004–2007, \$6,000,000. NEON – Planning the National Ecological Observatory Network. (co–PI with 9 others)</p>
	<p>National Science Foundation, 2007–2008, \$498,000. Expansion of the KU Natural History Collections. (PI with 4 others)</p>
MARTIN, LARRY	<p>National Aeronautics and Space Administration, 2004–2007, \$417,552. Do Gamma rays bursts damage planetary biospheres? (co–PI with 4 others)</p>
MARTINKO, EDWARD A.	<p>TerraMetrics, Inc., 2004–2007, \$281,000. Developing a national drought insurance program for rangeland, pastureland, and dry land hay U.S.ing a remote sensing time–series analysis approach. (co–PI with 1 other)</p> <p>National Science Foundation, DBI–Biological Field Stations and Marine Labs, 2004–2007, \$323,538. Enhancement of research and education facilities at the University of Kansas Field Station. (co–PI with 8 others)</p> <p>Kansas Information Technology Office, 2006–2009, \$302,262. Kansas next–generation land U.S.e/land cover mapping initiative. (co–PI with 2 others)</p> <p>National Science Foundation, EPSCoR/Kansas State University, 2006–2009, \$98,731. Forecasting Ecological Change in the Central Plains. (PI)</p> <p>Kansas Department of Wildlife and Parks, 2006–2007, \$127,420. Supporting Kansas Department of Wildlife and Parks natural Resource Management objectives U.S.ing Geographic Information Systems (GIS) and remote sensing technologies. (co–PI with 1 other)</p> <p>National Science Foundation EPSCoR Program, 2006–2009, \$3,599,977. Understanding and forecasting ecological change: CaU.S.es, trajectories and consequences of environmental change in the Central Plains. (co–PI with 2 others).</p> <p>Kansas Corporation Commission, 2005–2007, \$50,000. Remote sensing research for detection and identification of abandoned oilfield features. (co–PI with 1 other)</p> <p>National Fish and Wildlife Foundation, 2005–2035, \$10,000. Wetland and wet meadow restoration on the Robinson Tract.</p>

- Environmental Protection Agency Science to Achieve Results (STAR).** 2003–2007, \$1,149,266. Watershed classification system for tiered diagnosis of biological impairments: A scalable, Central Plains focus U.S. with national applicability.
- Kansas Department of Wildlife and Parks,** 2007–2008, \$67,374. Natural resource management objectives using geographic information systems (GIS) and remote sensing techniques. (co-PI with 1 other)
- MORT, MARK**
- National Science Foundation,** 2004–2008, \$289,577. DEB Grant, Phylogenetics and evolution of *Crassula* (Crassulaceae). (PI)
- National Science Foundation,** (Dissertation Improvement Grant), 2007–2008, \$6,842. The evolution and phylogeography of the alternifolium group of the flowering plant genus *Chrysosplenium*. (co-PI with 1 other)
- ORIVE, MARIA**
- Radcliffe Institute for Advanced Study,** 2007–2008, \$70,000. Together and Apart: Theoretical Models of Host-Endosymbiont Genome Evolution. (PI)
- PETERSON, A. TOWNSEND**
- U.S. Geological Survey,** 2005–2007, \$245,000. Species distribution modeling for gap analysis. (PI)
- World Wildlife Fund,** 2005–2007, \$45,000. Identification of tropical forest trees and their fruiting phenology via remote sensing and modeling. (PI with 1 other)
- National Science Foundation,** 2005–2007, \$10,000. Historical Biogeography of the Northern Andes based on phylogenetic studies of two bird clades. (PI with 1 other)
- National Science Foundation,** 2004–2009, \$1,500,000. *ORNIS*: A community effort to build an integrated, distributed, enriched, and error-checked *ORNithological Information System*. (PI)
- National Science Foundation,** 2004–2009, \$750,000. Biodiversity surveys in the southern borderlands of the People's Republic of China. (PI with 4 others)
- National Science Foundation.** 2002–2007, \$12,500,000. ITR Collaborative Research: Enabling the science environment for ecological knowledge. (PI with multiple others)

PIEROTTI, RAYMOND	<p>National Science Foundation, 2002–2007, \$507,000. Division of Environmental Biology: Native American Students in Environmental Sciences. (PI with 1 other)</p> <p>National Science Foundation, 2007–2009, \$500,000. Native American Science Curriculum: Collaborative Research with Northern Arizona University and the University of Alaska, Anchorage. (PI with 2 others)</p> <p>Kansas EPSCoR, 2007–2008, \$47,000. Native American ecological experiences. (PI)</p>
SMITH, DEBORAH R.	<p>U.S. Israel Binational Science Foundation, 2002–2007, \$90,000. Evolution of inbred social systems in spiders: the <i>StegodyphU.S.</i> (Eresidae) model. (PI with 1 other)</p>
SMITH, VAL	<p>National Science Foundation, 2005–2007, \$63,000. Summer conference participation for undergraduates in Ecology and Evolutionary Biology (REU program). (PI)</p> <p>National Science Foundation, 2004–2007, \$342,049. Collaborative Research: Towards an integrative mechanistic theory of within–host disease dynamics. (co–PI with 5 others)</p>
TAYLOR, EDITH L.	<p>National Science Foundation, 2003–2007, \$432,461. Shackleton Glacier area: Evolution of vegetation during the Triassic. (PI with 1 other)</p> <p>National Science Foundation, 2007–2009, \$411,497. Permineralized plants from the Permian and Triassic of Antarctica: A critical time in seed plant evolution. EAR–0542170. (co–PI with 1 other)</p>
TAYLOR, THOMAS N.	<p>National Science Foundation, 2006–2009, \$385,000. Fossil microbes from the Rhynie Chert Lagerstätte. (co–PI with 1 other)</p> <p>National Science Foundation, 2007–2009, \$411,497. Permineralized plants from the Permian and Triassic of Antarctica: A critical time in seed plant evolution. EAR–0542170. (co–PI with one other)</p> <p>National Science Foundation, 2003–2007, \$432,461. Shackleton Glacier area: Evolution of vegetation during the Triassic. (PI with 1 other)</p>
THORP, JAMES H.	<p>Environmental Protection Agency – STAR, 2005–2007, \$297,543. Determination of ecological thresholds through an historical perspective of trophic dynamics. (co–PI with 2 others)</p>

- National Geographical Society**, 2007, \$20,000.
Biodiversity and ecological responses to hydrogeomorphic conditions in Argentina's Bermejo River: From the Andes to the Paraguay River. (PI with 1 other)
- TIMM, ROBERT**
- National Science Foundation**, 2007–2010, \$498,821.
Expansion of the collections of The University of Kansas Natural History MU.S.eum and Biodiversity Research Center. (co-PI with 1 others)
- University of Costa Rica**, 2007. \$10,000. Biological survey of the Mesoamerican Biological Corridor: Mammals of the Chiquita properties in northeastern Costa Rica. (PI)
- TRUEB, LINDA**
- National Science Foundation**, 2003–2008, \$237,000.
AmphibiaTree—an integrated phylogenetic and phyloinformatics approach to the tree of amphibians. (co-PI with 1 other)
- National Science Foundation**, 2006–2007, \$500,000. The HerpNet Community Informatics Project: Development of a Distributed Information Network of North American Herpetological Databases. (co-PI with 2 others)
- National Science Foundation**, 2007–2008, \$498,821.
Expansion of the Collections of the University of Kansas Natural History MU.S.eum and Biodiversity Research Center. (co-PI with 4 others)
- WARD, JOY K.**
- National Science Foundation**, 2005–2008, \$634,274. Plant evolution at elevated CO₂: physiological and genetic mechanisms controlling developmental timing. (PI with 1 other)
- National Science Foundation**, 2004–2007, \$323,538.
Enhancement of research and education facilities at the University of Kansas Field Station. (co-PI with 8 others)
- National Science Foundation, CAREER**, 2008–2013, \$842,893. Plant evolution at low CO₂: Responses of ice age trees. (PI)
- WILEY, EDWARD O.**
- National Science Foundation**, 2007–2012, \$309,985.
Assembling the Euteleost Tree of Life: Addressing the major unresolved problem in vertebrate phylogeny. (co-PI with 4 other institutions)

National Science Foundation, 2003–2008, \$750,000.

Building the Information Community Infrastructure – A
Test Case Implementation for Ichthyological Collections.
(PI with 4 other institutions)

Kansas Department of Wildlife and Parks, 2005–2007.

\$105,000. Data Management and Support for State-
Wide Surveys of Fishes. (PI)

Funding Received by Graduate Students

Name	Source	Amount
ABE, FRANCINE	Panorama Society Grant, University of Kansas	\$ 700
BENTLAGE, BASTIAN	PADI Foundation Grant	\$ 5,970
	Graduate Travel Funds	\$ 400
CARROLL, TERESA	Ozarks Environmental and Water Resources Institute (OWERI) Award	\$ 1,500
	EEB Travel Funds	\$ 200
COLE, JEFFREY	Entomology Program Travel Funds	\$ 1,190
	Entomology Hungerford Fund	\$ 3,000
COLLINS, CATHY	KSR small grants	\$ 400
	EEB Travel Funds	\$ 200
CROWTHER, ANDREA	KU Natural History Museum Panorama Society Grant	\$ 850
	Friday Harbor Laboratories Financial Aid	\$ 1,200
	EEB Travel Funds	\$ 200
DAVIS, MATTHEW	Panorama Society Small Grant	\$ 775
DAVIS, STEVE	EEB Travel Fund	\$ 200
	Entomology Travel Fund	\$ 1,125
	EEB Travel Fund, ICIBI	\$ 200
	EEB Travel Fund, OSU Workshop	\$ 200
	Natural History Museum Travel Fund, OSU Workshop	\$ 200
	Entomology Travel Fund, Phillipines & Taiwan	\$ 1,200
	Entomology Endowment Fund, SEM imaging	\$ 300
EVANS, NATHANIEL	EEB Travel Fund and NHMBRC	\$ 400
ESSELSTYN, JACOB	Panorama Small Grant	\$ 1,000
	Grant-in-Aid, American Society of Mammalogists	\$ 1,500
	EEB Travel Fund	\$ 200
	E.R. and Mary Hall Travel funds	\$ 1,000
LEVSEN, NICHOLAS	NSF Dissertation Improvement Grant	\$ 6,842
	Sigma Xi Grants-in-Aid	\$ 500
LINKEM, CHARLES	NHM BRC Panorama Grant	\$ 1,095

2007 Annual Report**Funding Received by Graduate Students**

LONG, QUINN	The Prairie Fork Trust	\$ 3,506
	EEB Travel Fund	\$ 200
MAHER, SEAN	The Explorers Club Grant	\$ 3,000
	American Society of Mammalogist Grants-in-Aid	\$ 1,472
	EEB Travel Funds	\$ 200
MICKLE, KATHRYN	NHM Panorama Grant	\$ 785
MILLER, GINGER	H.B. Hungerford Entomology Fund	\$ 4,200
MURPHY, CHERYL	EEB Travel Fund	\$ 200
	KU 4 Women Fund	\$ 250
NAWROCKI, ANNALISE	NHM Panorama Small Grant	\$ 750
	EEB Travel Fund	\$ 200
NYARI, ARPAD	NHM Panorama Grant	\$ 1,000
O'NEILL, BRIAN	Kansas Academy of Science Student Research Grant,	\$ 1,000
PROTTI-MELENDZ, PIERO	University of Costa Rica, Lankester Garden Research Grant	\$ 5,000
ROMERO, ANDREA	The Explorers Club	\$ 1,200
	KU Latin American Field Research Grant	\$ 1,050
RYBERG, PATRICIA	KU Natural History Museum Panorama Society Grant	\$ 700
	International Symposium on Antarctic Earth Sciences Grant	\$ 355
SILER, CAMERON	NHM Panorama Grant	\$ 1,100
SUKUMARAN, JEET	NHM Panorama Grant	\$ 625
	EEB Travel Fund	\$ 625
TIEMANN, LISA	Small Grants Program, KU Field Station	\$ 600
	KU Graduate Travel Fund	\$ 400
	EEB Travel Fund	\$ 200
WILLIAMS, DANIEL	NHM Panorama Grant	\$ 763
WILLIAMS, RICHARD	NHM Panorama Grant	\$ 1,000

Faculty Awards and Award Nominations

ALEXANDER, HELEN M.	Chancellor's Club Teaching Professor Women's Hall of Fame, University of Kansas Faculty Fellow, Center for Teaching Excellence
HILEMAN, LENA	The National Academy of Sciences Japanese-American Kavli Frontiers in Science Symposia Invitee Award
MARTIN, CRAIG E.	Honor for an Outstanding Progressive Educator (H.O.P.E.) Award
MORT, MARK E.	William T. Kemper Teaching Fellowship Award J. Michael Young Academic Advisor Award in the Natural Sciences The National Academics Educator Mentor in the Life Sciences
ORIVE, MARIA	Radcliffe Fellowship, Radcliffe Institute for Advanced Study, Harvard University
PETERSON, A. TOWNSEND	Olin K. Petefish Award for Research Achievement in the Basic Sciences University Distinguished Professor
SLADE, NORMAN	Excellence in Teaching (CTE) Award
TAYLOR, EDITH	Botanical Society of America Merit Award
TIMM, ROBERT	Byron A. Alexander Graduate Mentor Award
TRUEB, LINDA	Outstanding Woman Educator Nomination

Graduate Student Scholarships or Fellowships

BECKER, CORNELIA	John M. Deal Summer Scholarship in Entomology,
BENTLAGE, BASTIAN	Ohio State University and the Willi Hennig Society, Fellowship
COLE, JEFFREY	John M. Deal Summer Scholarship in Entomology
DAVIS, STEVE	John M. Deal Summer Scholarship in Entomology OSU/Willi Hennig Society Scholarship Foreign Language Area Scholarship
ESSELSTYNE, JACOB	Field Museum Visitor's Scholarship
EVANS, NATHANIEL	Ohio State University Willi Hennig Society Fellowship
DOORES, ALLISON	NSF Graduate Research Fellowship
GONZALEZ-BETANCOURT, VICTOR	John M. Deal Summer Scholarship in Entomology
HINOJOSA DIAZ, ISMAEL	John M. Deal Summer Scholarship in Entomology
LINKEM, CHARLES	Lewis and Clark Fellowship
QUESTAD, ERIN	KU Women's Club Scholarship
MAHER, SEAN	Rocky Mountain National Park Research Fellowship
MILLER, GINGER	John M. Deal Summer Scholarship in Entomology
NAJERA, DANNY	John M. Deal Summer Scholarship in Entomology
NAWROCKI, ANNALISE	Madison and Lila Self Graduate Fellowship Ida H. Hyde Scholarship for Women in Science
PALIKIJ, JASON	John M. Deal Summer Scholarship in Entomology
QUESTAD, ERIN	American Association of University Women Dissertation Fellowship, Alternate KU Women's Club scholarship
ROMERO, ANDREA	Madison and Lila Self Graduate Fellowship OTS Pilot Research Fellowship NSF, Predoctoral Fellowship—Honorable Mention Ford Foundation, Predoctoral Fellowship—Honorable Mention

SPARKS, KATHRYN

Ida H. Hyde Scholarship for Women in Science

SU, YONG-CHAO

John M. Deal Summer Scholarship in Entomology

VILLAFUERTE, LYNN

John M. Deal Summer Scholarship in Entomology

Graduate Student Awards and Award Nominations

BODBYL ROELS, SARAH	AAAS (American Association for the Advancement of Science)/Science Program for Excellence in Science Nomination
BONACCORSO, ELISA	KU Women of Distinction
COLE, JEFFREY	EEB GSO Retreat Best Presentation Award Sigma Xi Research Paper Competition, 3 rd place award
COLLINS, CATHY	Best Student Presentation Award, US-AILE Conference NASA-MSU Professional Enhancement Award Michael S. Gaines Award for Teaching Excellence
CROWTHER, ANDREA	Charlotte Mangum Student Support Program Award
DAVIS, STEVE	2 nd place poster presentation, Central States Entomological Society 3 rd place oral presentation award, 83 rd annual meeting of the Central States Entomological Society.
ESSELSTYNE, JACOB	Elizabeth Horner Award, American Society of Mammalogists
LEVSEN, NICHOLAS	Mary Harkey Hall Award, Plant Biology Program
NAWROCKI, ANNALISE	Kenneth B. Armitage Award for Teaching Excellence
PAPES, MONICA	KU Women of Distinction
QUESTAD, ERIN	NASA-MSU Professional Enhancement Award Phi Kappa Phi honor society KU Outstanding Woman Student in Leadership nomination KU Graduate School dissertation scholarship nomination
RYBERG, PATRICIA	Sigma Xi Research Award Botanical Society of America Vernon Cheadle Award BSA Graduate Student Research Award Mary Harkey Hall Award, Plant Biology Program Botanical Society of America Graduate Student Research Award
SAMANTA-ROY, DEBOSREE	Mary Harkey Hall Award, Plant Biology Program
SCHWENDEMANN, ANDREW	Mary Harkey Hall Award, Plant Biology Program
SILER, CAMERON	California Academy of Sciences Charles Stearns Award

Students Graduating with Advanced Degrees

Students Graduating with M. A. Degree and Thesis Title (Graduate Advisor in parenthesis)

GARRETT CALL (K. Jensen)—A survey of the tapeworm fauna of the cownose ray, *Rhinoptera bonasus*, from the northern Gulf of Mexico with comments on intermediate hosts

RAUL DIAZ, JR. (L. Trueb) (non-thesis)—Developmental osteology and chondrocranial morphology of *Gastrophryne carolinensis* (Holbrook, 1835) (Anura: Microhylidae)

DEREK KELLOGG (C. Loudon)—Antennal biomechanics of house crickets (*Acheta domesticus* L.)

JAMES KRIZ (D. Huggins and F. deNoyelles) (non-thesis)—Assessment of floodplain wetlands of the lower Missouri River using a reference-based study approach

KATHERINE ROACH (J. Thorp)—Food web dynamics of fishes in relation to hydrological connectivity gradients in the upper Mississippi River

ELIZABETH SLADE (J. Kelly and M. Orive)—A comparison of models of persistent infection: Predicting key features of early HIV infection

STEPHANIE SWENSON (M. Engel, E. O. Wiley, & the former J. Ashe)—Phylogeny of the rove beetle genus *Plociopterus* (Coleoptera: Staphylinidae)

JENNIFER THOMAS (E. O. Wiley and J. S. Ashe)—A molecular investigation of the Aleocharinae (Coleoptera: Staphylinidae) phylogeny

KATARINA TOPALOV (M. Mort) (non-thesis)—Phylogenetic analyses of genus *Sempervivum* (Crassulaceae) inferred from DNA sequence data

Students Graduating with Ph.D. Degree and Dissertation Title (Graduate Advisor in parenthesis)

KELLIS BAYLESS (C. Martin)—Estimating the *in situ* carbon balance of a *Bromus inermis* grassland using a leaf-level ecophysiological approach

ELISA BONACCORSO (A. T. Peterson & L. Trueb)—Evolution of the New World jays (Corvidae): phylogeny, biogeography, and ecology

HARIM CHA (D. Fautin)—Systematics of the order Corallimorpharia (Cnidaria: Anthozoa)

ANNA CLARKE CARLSON (E. O. Wiley & D. Smith)—Population genetic patterns in sister species sharing a single speciation event: A study of two species pairs of freshwater fishes

JUAN M. GUAYASAMIN (L. Trueb)—Phylogeny, taxonomy, character evolution, and biogeography of glassfrogs (Amphibia: Centrolenidae)

LIZA HOLESKI (J. Kelly)—Quantitative trait evolution in *Mimulus guttatus* (yellow monkeyflower)

NATAPOT WARRIT (D. Smith & C. Michener)—Biological systematics of the subgenus *Ceratinidia* (Hymenoptera: Apoidea: Apidae)

HEATHER YORK (R. Timm)—Interspecific ecological differentiation in the short-tailed fruit bats (Chiroptera: Phyllostomidae: Carollia)

Partial Listing of Service Activities Provided by Faculty

ALEXANDER, DAVID E.	Division Curriculum Committee Chair of Endowment Award/Special Support Committee, Entomology Program
ALEXANDER, HELEN	Field Station and Ecological Reserves Executive Committee Chair, EEB Interim Chair Search Committee Departmental Review Committee
ARMITAGE, KENNETH	Historic Mount Oread Committee
BILLINGS, SHARON	KSR Executive Committee Long Range Planning Committee, KSR EEB External Review Committee Ecosystem Scientist Search Committee EEB Publicity Committee
BROWN, RAFE	Board Member, Society for the Study of Amphibians & Reptiles American Society of Ichthyologists and Herpetologists Consultant, IUCN Global Reptile Assessment <i>Copeia</i> Publishers Ad-Hoc Task Force Editorial Board, Wildlife Conservation Society of the Philippines
BURG, GREGORY	University of Kansas Teach Steering Committee Biology Representative; Office of Study Abroad Undergraduate Biology Committee Awards and Scholarships Committee BioScholars Program
BUSBY, WILLIAM	Kansas Coordinator, North American Breeding Bird Survey, U.S. Dept. of Interior. Conservation Coordinator, Kansas Ornithological Society. Member, Kansas Non-game Wildlife Advisory Council, Kansas Department of Wildlife and Parks Member, Project Coordinator Search Committee
CARTWRIGHT, PAULYN	EEB External Review Committee Project Consultant, Animal Tree of Life CLAS Sabbatical Leave Committee Member, Evolutionary Genomics Search Committee
CRAWFORD, DANIEL	Merit Award Committee, Botanical Society of America Stebbins Medal Committee, International Association for Plant Taxonomy EEB Publicity Committee
CUTLER, BRUCE	Member, Special Support Committee, Entomology Program

DEBOER, GERRIT	<p>Division Alumni Events Committee CLAS Academic Misconduct Board Interviewer for the Assessment of General Education EEB Graduate Admissions Committee Special Support Committee, Entomology Program Majors Fair Committee</p>
DENOVELLES, FRANK	<p>Kansas Reservoir Restoration Technical Advisory Committee Director, Kansas Aquatic Mesocosm Program Operations Committee, Kansas Field Station Kansas Biological Survey, Deputy Director Member, EEB Promotion and Tenure Committee</p>
ENGEL, MICHAEL	<p>Undergraduate Biology Committee Systematic Entomology Search Committee Member, Paleontological Institute Post-doctoral Researcher Search Committee</p>
FAUTIN, DAPHNE	<p>University Scholarly Misconduct Task Force Honors Committee Governing Board, Global Biodiversity Information Facility (GBIF) International Steering Committee for Ocean Biogeographic Information System (OBIS) U. S. National Committee for the Census of Marine Life U. S. National Committee, International Union of Biology Member, Data Archiving and Access Requirements Working Group, NOAA Scientific Advisory Council, EDIT (European Distributed Institute of Taxonomy)</p>
FOSTER, BRYAN L.	<p>Chair, Biological Sciences Honors Committee Executive Committee Kansas Ecological Reserves Chair, EEB Graduate Admissions Committee Member, Ecosystem Scientist Committee</p>
FREEMAN, CRAIG C.	<p>Secretary, Board of Directors, Flora of North America Association Executive Committee, Flora of North America Association Board of Directors, Grassland Heritage Foundation Board of Directors, Kansas Native Plant Society NHM/BRC Executive Committee Executive Committee, Kansas Biological Survey Member, Global Biodiversity Modeler Search Committee</p>
GLEASON, JENNIFER M.	<p>Biological Sciences ad hoc Neurobiology Search Committee Treasurer, Sigma Xi, University of Kansas Chapter Undergraduate Biology Club EEB, <i>Ad hoc</i> Evolutionary Genomics Search Committee EEB Diversity Enhancement Committee EEB Social Committee</p>

HAUFLER, CHRISTOPHER	Botanical Society of American, President College Academic Council Advisory Board, Center for Teaching Excellence Division of Biological Sciences Executive Committee Director of Undergraduate Biology Faculty Fellow, Honors Program College Task Force on General Education University Senate Task Force on Promotion and Tenure University Senate Task force on Evaluation of Teaching Chair, Departmental Review Committee Member, Systematic Entomologist Search Committee Undergraduate Research Awards committee Interim Chairperson, EEB Department
HILEMAN, LENA	EEB Bylaws Committee EEB Review Committee
HOLDER, MARK	Member, Special Undergraduate Research Awards Committee
JANDER, RUDOLF	Division of Biological Sciences Honors Committee EEB Undergraduate Education and Research Committee
JENSEN, KIRSTEN	Vice-President-Elect, Southwestern Association of Parasitologist Member, Scientific Committee, International Symposium for Fish Parasites Member, Fulbright, Graduate Division Committee NHM/BRC Executive Committee NHM/BRC Molecular Phylogenetics Lab Committee EEB, Publicity Committee Undergraduate Education Research Committee
KELLY, JOHN	Chair, EEB Graduate Committee EEB Evolutionary Genomics Search Panel Member, NIH Fellowship grants
KINDSCHER, KELLY	Environmental Studies Library Liaison Advisory Board, Osher Lifelong Learning Institute Advisory Board, Kansas Land Trust Board of Directors for the United Plant Savers Faculty Advisor for Environs Iowa State University NIH Botanical Center Advisory Council
KRISHTALKA, LEONARD	KUCR Research Directors Council Member, AAAS Council on Science, Engineering and Public Policy Pat Roberts Task Force on Science, Technology and the Future Board of Directors, NEON, Inc. Vice-President, Natural Science Collections Alliance Board Member, Global Biodiversity Information Facility Member, Chancellors Athletics Advisory Committee

MARTIN, CRAIG E.	Chair, Department of Ecology and Evolutionary Biology University Honors Council Division of Biological Sciences Executive Committee
MARTIN, LARRY	CLAS Chair and Directors Review Committee Division of Biological Sciences Curriculum Committee TERQUA Advisory Committee EEB Undergraduate Research Awards Committee EEB Special Awards Committee Science City Steering Committee, Museum of Natural History
MACDONALD, STUART	EEB External Review Committee Evolutionary Genomics Search Committee
MARTINKO, EDWARD	Director, Kansas Biological Survey KBS Executive Committee Director, KU Field Station and Ecological Reserves. Kansas Water Authority KUCR Board of Trustees Kansas Geographic Information Systems Policy Board KUCR, Research Directors Council KUCR Finance and Audit Committee Environmental Studies Program Faculty Evaluation Committee Environmental Studies Program Graduate Committee EEB Executive Committee Program Director, Ecology and Population Biology Program
MORT, MARK	American Society of Plant Taxonomists, Website Committee Botanical Society of American, Planting Science University Judicial Board EEB Graduate Admissions Committee EEB Ecosystem Scientist Search Committee EEB Social Activities Committee CLAS Committee on Undergraduate Studies & Advising
MOYLE, ROBERT	EEB Student Awards Committee
ORIVE, MARIA	EEB By-Laws Committee Chair, Chair, Academic Policies and Procedures Committee EEB Social Activities Committee
PETERSON, A. TOWNSEND	Foreign Collaborator, Intern'l Science & Technology Center International Ornithological Committee Advisory Committee, European Network for Biodiversity ` Information Informatics, Wildlife Disease Information Node I Taller Latinoamericano de Informatica para la Biodiversidad UNIBIO, Instituto de Biologia, Universidad Nacional Autonoma de Mexico International and Global Studies Task Force University Sabbatical Leave Committee

	KU-UCR Collaborative Research Grant Program EEB Graduate Admissions Committee
PIEROTTI, RAYMOND	Member, Kansas Rural Development Council Promotion and Tenure issues, Kansas State Chapter of AAUP Indigenous Nations Studies Program, Curriculum Committee Indigenous Nations Studies Program, Executive Committee Indigenous Nations Studies Program: Chair, Graduate Admissions Committee
SLADE, NORMAN	Informatics Committee, American Society of Mammalogists Joseph Grinnell Award committee, American Society of Mammalogists Panorama Grant Review Panel, NHM/BRC
SMITH, DEBORAH R.	American Arachnological Society Roth Fund for Systematics Research Chair, International Affairs Committee Interim Director, Undergraduate Biology Search Committee Interim EEB Chair, Search Committee EEB By-laws committee EEB, Ecosystem Scientist search Chair, Publicity Committee EEB Ambassador, Center for Teaching Excellence Michener Lecture Committee
SMITH, VAL	American Society of Limnology and Oceanography Undergraduate Education and Research Committee Undergraduate Biology Committee
TAYLOR, EDITH L.	American Association of University Women (AAUW) CLAS Promotion and Tenure Committee Secretary/Treasurer, International Organization of Paleobotany Council Member, Society for Sedimentary Geology EEB, Promotion and Tenure Committee University of Kansas: Women's Studies Advisory Board Lawrence Arts Commission Friends of Lawrence Public Library
TAYLOR, ORLEY	EEB Executive Committee EEB Promotion and Tenure Committee Global Biodiversity Search Committee Sabbatical Leave Committee Entomology Program Director Monarch Watch Project Director Executive Director, Michoacan Reforestation Fund Steering Committee for the North American Pollinator Protection Campaign Board of Governors, Grassland Heritage Foundation

TAYLOR, THOMAS N.	National Science Board – Task Force on International Science, Task Force on Polar Issues, Education and Human Resources Committee, Strategy and Budget Committee NSF-EPSCoR Foundation, Board of Directors National Research Council of the National Academies - Gender Differences in Careers of Science, Engineering, and Mathematics Faculty Committee Virgin Islands NSF-EPSCoR Advisory Committee Senator Pat Roberts Advisory Committee in Science, Technology, and the Future Distinguished Professor Selection Committee EEB Executive Committee Director, Plant Biology Program
THORP, JAMES	Board of Directors President, International Rivers Society for River Science Advisory Board, Chinese Academy of Science’s Institute of Hydroecology in Wuhan, China KRS Executive Committee Research and Education Committee Chair, EEB Ecosystem Scientist Search
TIMM, ROBERT	University Governance Committee on Libraries International Union for the Conservatoin of Nature, (IUCN) Organization for Tropical Studies (OTS), Assembly of Delegates American Society of Mammalogists, President Curator-in-charge of the Mammal Division Institutional Animal Care and Use Committee (IACUC) Madison and Lila Self Graduate Committee Science Library Liaison EEB Curriculum Committee
TRUEB, LINDA	Chair, EEB Executive Committee EEB Sabbatical Leave Committee Program Director, Systematics, Biodiversity and Macroevolution Board of Governors, American Society of Ichthyology and Herpetology Member, International Herpetological Committee Advisory Board, NSF-Understanding Tree-of-Life Project Advisory Board, NSF-Amphibian Ontology Project Chair, Task Force to Redesign <i>Copeia</i> , American Society of Ichthyologists and Herpetologists
WARD, JOY	University Athletic Board University Committee on Post-docs Chair, EEB Diversity Enhancement Committee
WILEY, EDWARD	Advisory Board, Japanese J. Ichthology Chair, Global Biodiveristy Search Committee

Graduate Committee
Chair, Promotion and Tenure Committee
EEB External Review Committee

Editorial Boards and Editorships of Faculty

ARMITAGE, KENNETH	<i>Ethology, Ecology, Evolution</i> <i>Oecologia Montana</i>
CARTWRIGHT, PAULYN	<i>Integrative and Comparative Biology</i>
CRAWFORD, DANIEL	<i>Argentinean Journal of Botany</i> <i>Gayana Botanica, Concepción, Chile</i>
ENGEL, MICHAEL S.	<i>Psyche</i> <i>Uludag Bee Journal</i> <i>Arthropod Systematics & Phylogeny</i> <i>Cambridge Evolution Series</i> <i>Journal of Kansas Entomological Society</i>
FAUTIN, DAPHNE	<i>Zootaxa</i>
FOSTER, BRYAN	<i>Plant Ecology</i> <i>Journal of Ecology</i>
FREEMAN, CRAIG	<i>Flora of North America</i>
GLEASON, JENNIFER	<i>Journal of Evolutionary Biology</i>
HAUFLER, CHRISTOPHER	<i>American Fern Journal</i> <i>Botanical Society of America</i> <i>Journal of Plant Research</i> <i>Anales del Real Jardín Botánico de Madrid</i>
KELLY, JOHN	<i>Journal of Evolutionary Biology</i>
MARTIN, LARRY	<i>Paleontological Institute</i> <i>American Association of Professional Paleontologists</i>
MORT, MARK	<i>Taxon</i> <i>The Open Evolution Journal</i>
ORIVE, MARIA	<i>Genetica</i>
PETERSON, A. TOWNSEND	<i>Graellsia</i> <i>Biodiversity Informatics</i> <i>Bioclimatología de la Flora de Veracruz</i> <i>Revista Mexicana de la Biodiversidad</i>
SMITH, DEBORAH	<i>Apidologie</i>
TAYLOR, EDITH	<i>Society for Sedimentary Geology (PALAIOS, SEPM)</i>

THORP, JAMES

River Research and Applications
Aquatic Ecology

TRUEB, LINDA

Phyllomedusa
Caldasia
Journal of Morphology



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Division of Biological Sciences**

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