

Poster Presentations

Note: Posters are to be displayed in the Lobby, Foyer, and Atrium of the Fogelman Executive Center from 8:00am-5:00pm on Friday, 11 April. Presenters (in bold print in list of presentations) are expected to attend their posters during the Poster Session, 3:30-5:00pm, Friday. Posters eligible for the Clark Hubbs Student Poster Award are noted in the list of presentations by an asterisk following the poster number and will be indicated by a red "Hubbs" card above the poster number while on display.

- P1*- THE MAMMALS OF THE TEMPERATE FORESTS OF VOLCÁN SUMACO, ECUADOR. **Stephanos A. Roussos**, Thoma E. Lee, Jr., Santiago F. Burneo, M. Raquel Marchán, and R. Sebastian Vizarra-Váscomez
- P2*- TAXONOMIC STATUS AND SPECIES LIMITS OF *PEROGNATHUS* (RODENTIA: HETEROMYIDAE) IN THE SOUTHERN GREAT PLAINS. **B. S. Coyner**, T. E. Lee, Jr., D. S. Rogers, and R. A. Van Den Bussche
- P3 - GEOGRAPHIC DISTRIBUTION OF RODENTS IN BAJA CALIFORNIA SUR, MEXICO. **C. Gabriela Suárez-Gracida** and S. Ticul Álvarez-Castañeda
- P4 - CRYPTIC LINEAGES OF *PEROMYSCUS EREMICUS* ON SONORA AND SINALOA, MEXICO. **Horacio Cabrera** and Sergio T. Álvarez-Castañeda
- P5 - SEASONAL USE OF A MINE BY EASTERN PIPISTRELLES (*PERIMYOTIS SUBFLAVUS*) IN EAST-CENTRAL NEBRASKA. **Jason P. Damm** and Keith Geluso
- P6 - RECURRENCE OF THE HISPID COTTON RAT (*SIGMODON HISPIDUS*) AT HISTORICAL SITES IN NEBRASKA, WITH COMMENTS ON CURRENT DISTRIBUTION AND REPRODUCTION. **Greg Wright** and Keith Geluso
- P7 - DISTRIBUTION AND ABUNDANCE OF BATS ALONG THE REPUBLICAN RIVER AND ITS TRIBUTARIES IN SOUTHWESTERN NEBRASKA. **Matthew R. Serbousek** and Keith Geluso
- P8 - DISTRIBUTIONAL LIMITS, RANGE EXPANSION, AND ECOLOGICAL ASSOCIATIONS OF THE EASTERN WOODRAT (*NEOTOMA FLORIDANA CAMPESTRIS*) IN SOUTHWESTERN NEBRASKA. **Kole A. Kugler** and Keith Geluso
- P9 - RABIES IN SKUNKS AND RELATEDNESS TO GENETIC VARIATION. **Kelly A. Smith** and Michelle L. Haynie
- P10 - PRELIMINARY STUDY FOR CHARACTERIZATION OF PRIMORDIAL GERM CELLS IN THE FRUGIVOROUS BAT *ARTIBEUS JAMAICENSIS*. **Luz Eugenia Alcántara-Quintana**, Martha Martínez Cisneros, María de Lourdes Romero-Almaraz, and Cornelio Sánchez-Hernández
- P11 - PALEOZOOLOGICAL AND ECOLOGICAL VARIABILITY IN WHITE-TAILED DEER BODY SIZE. **Michael A. Huston**, Steve Wolverton, Kevin Cagle, and John D. Cornelius

- P12 - DISPERSAL AND EFFICIENCY: EXAMINING VARIABILITY IN BODY SIZE AT FORT HOOD, TX. **Steve Wolverton**, Kevin Cagle, James H. Kennedy, and John D. Cornelius
- P13 - WEIGHT LOSS OF HIBERNATING *MYOTIS VELIFER* (CHIROPTERA: VESPERTILIONIDAE) IN WESTERN OKLAHOMA. **Lynda Loucks** and William Caire
- P14 - SMALL MAMMALIAN POPULATION CHANGES FOLLOWING A PRESCRIBED BURN. **F. Martinez** and J. K. Bush
- P15 - POPULATION DYNAMICS OF *TADARIDA BRASILIENSIS MEXICANA* AT CUEVA DEL GUANO, DURANGO, MEXICO. Jorge Alberto Rascón-Escajeda and **Celia López-González**
- P16 - CHARACTERIZATION OF ULTRASONIC CALLS IN TWO SPECIES OF GLIDING MAMMALS: *GLAUCOMYS SABRINUS* AND *G. VOLANS*. **L. Michelle Gilley** and Troy L. Best
- P17 - CURRENT DISTRIBUTION AND HABITAT SUITABILITY MODEL FOR THE OZARK POCKET GOPHER. **Matthew B. Connior**, Rex E. Medlin, Jr., and Thomas S. Risch
- P18 - COMPARATIVE PHYLOGEOGRAPHY OF TWO SPECIES OF *PEROMYSCUS* IN OKLAHOMA AND ADJACENT STATES. **Vagan Mushegyan**, Kimberly L. Koppari, Tiffany L. Cloud, Sarah T. Smith, Amy M. Cluck, Chris M. Dunn, Emily A. Bowles, and Gregory M. Wilson
- P19 - CURRENT STATUS OF *PEROMYSCUS EREMICUS* FROM MORPHOMETRICAL, MORPHOLOGICAL, AND ECOLOGICAL PERSPECTIVE. **Gloria Tapia Ramírez**, D. F. García-Mendoza, and C. López-González
- P20 - A HOT SPOT FOR MAMMALIAN BIODIVERSITY: MONROE CO., TENNESSEE. **R. L. Wyatt**, S. A. Dykes, L. Mitchell, and M. L. Kennedy
- P21* - RELATIONSHIPS BETWEEN VEGETATION STRUCTURE AND AVIAN DIVERSITY IN TWO SITES AT LA MICHILÍA BIOSPHERE RESERVE. **G. Amancio** and C. López-González
- P22* - PREDATION ON ARTIFICIAL NESTS IN URBAN AND NATURAL ENVIRONMENTS. **Anne-Marie Prouty** and Diane L. H. Neudorf
- P23* - ECOLOGY BURROWING OWL IN WESTERN KANSAS. **Carol D. Grover** and Elmer J. Finck
- P24* - PERSPECTIVAS DE CAMBIO EN LA DISTRIBUCIÓN DE ESPECIES DE AVES Y MAMÍFEROS REGISTRADAS EN EL ESTADO DE DURANGO CON CATEGORÍA DE RIESGO EN LA NOM-059-SEMARNAT-2001. **Abigail Longoria-Quiroz**, Celia López-González, and Marco A. Márquez Linares

- P25* - MORPHOLOGICAL TRANSFORMATION OF EXTRAEMBRYONIC MEMBRANES DURING INTRAUTERINE EGG RETENTION IN *SCELOPORUS AENEUS*. **M. J. Castaños**, F. J. Rodriguez, and M. Villagran
- P26* - A THEORETICAL TEST OF THE EVOLUTION OF MULTIPLE-EJACULATION IN INDIRECT SPERM TRANSFER SYSTEMS. **Mizuki K. Takahashi** and Matthew J. Parris
- P27* - MORPHOLOGICAL VARIATION IN THE WESTERN SLIMY SALAMANDER, *PLETHODON ALBAGULA*, OF CENTRAL TEXAS. **Drew R. Davis** and Gregory B. Pauly
- P28* - DIET COMPOSITION OF THREE ANURANS FROM WESTERN MEXICO. **M. Barrios-Damián** and I. Solano-Lopez
- P29* - SPATIAL AND TEMPORAL PATTERNS OF BREEDING ACTIVITY OF SEASONAL DRY FOREST ANURANS IN WESTERN MEXICO. **Margotzarith Barrios-Damián** and Andrés Garcia
- P30* - DOES COERCIVE MATING BY MALE WESTERN MOSQUITOFISH INCREASE FEMALE SUSCEPTIBILITY TO MICROBIAL PATHOGENS? **Chase Pedersen**, Todd P. Primm, and Raelynn Deaton
- P31* - MORPHOLOGICAL VARIATION IN THE GONOPODIUM IN LIVEBEARING FISHES OF THE GENUS *GAMBUSIA*. **Stacy Stoops** and Raelynn Deaton
- P32* - A METHODOLOGY FOR ASSESSING PHYSICAL DAMAGE TO FEMALE MOSQUITOFISH CAUSED BY MALE COERCIVE MATING USING SCANNING ELECTRON MICROSCOPY. **Abigail Marcotte**, Janalyn West, and Raelynn Deaton
- P33* - MICROSATELLITE PRIMER DEVELOPMENT FOR THE LARGE SPRING *GAMBUSIA*, *GAMBUSIA GEISERI*. **James C. Cureton II**, Anna Buchman, and Raelynn Deaton
- P34 - FACTORS INFLUENCING FEMALE CHOICE IN THE WESTERN MOSQUITOFISH, *GAMBUSIA AFFINIS*. **Raelynn Deaton**, Kevin Hudson, and Stephanie Schweig
- P35* - A NOVEL COMPOUND FAMILY WITH PESTICIDE ACTIVITY AGAINST *SOLENOPTIS INVICTA*, THE RED FIRE ANT. **Richard Lewis**, Clay Barton, Sybil Bucheli, and Todd P. Primm
- P36* - REVIEW OF AQUATIC INSECT LITERATURE OF AUSTRAL SOUTH AMERICA, WITH AN EMPHASIS ON PLECOPTERA, TRICHOPTERA, DIPTERA, ODONATA, AND EPHEMEROPTERA. **T. A. Contador**, J. H. Kennedy, and R. Rozzi
- P37* - THE POWER OF PERENNIAL: ECOLOGY AND RECOLONIZATION OF BENTHIC MACROINVERTEBRATES IN A GROUNDWATER-FED STREAM OF NORTH

- CENTRAL TEXAS FOLLOWING A SUPRA-SEASONAL DROUGHT. **R. A. Burk** and J. H. Kennedy
- P38* - THE INFLUENCE OF STORM DRAINS ON THE DISTRIBUTION OF MOSQUITOS (DIPTERA: CULICIDAE) IN THE CITY OF DENTON, TX. **Jenny S. Paul**, Michael Kavanaugh, and James H. Kennedy
- P39* - BENTHIC MACROINVERTEBRATE COMMUNITY STRUCTURE AND ENVIRONMENTAL VARIABLES (1988 - 2005) IN A RAPIDLY URBANIZING WESTERN RIVER, THE TRINITY RIVER, TEXAS. **J. L. Slye**, J. H. Kennedy, and D. R. Johnson
- P40* - EFFECT OF DEVELOPMENT ON *TRIMEROTROPIS PALLIDIPENNIS* (ORTHOPTERA: ACRIDIDAE) IN FRANKLIN MOUNTAIN ARROYOS. **Paul A. Lenhart**, Amorita Armendariz, Daniel D. Fairfield, Ida Davila, and Aleece Dobrzyn
- P41* - DIVERSIDAD DE ABEJAS (HYMENOPTERA: APOIDEA) DE LA RESERVA DE LA BIOSFERA *EL TRINFO*, CHIAPAS, MÉXICO. **Carlos Balboa Aguilar**, Ricardo Ayala Barajas, Miguel Guzmán Díaz, and Remy Vandame
- P42* - HEAVY METAL SEQUESTRATION IN ROUGH HARVESTER ANT (*POGONOMYRMEX RUGOSUS*) COMMUNITIES OF THE NORTHERN CHIHUAHUAN DESERT. **Israel Del Toro**, David M. Borrok, and William P. Mackay
- P43* - BENTHIC MACROINVERTEBRATE POPULATION DYNAMICS WITHIN AN INTERMITTENT NORTH TEXAS PRAIRIE STREAM: WHAT HAPPENS DURING DROUGHT? **B. J. Lundeen**, J. H. Kennedy, C. R. Randklev, T. A. Contador, and M. A. Lundeen
- P44 - NOCTURNAL PERIODICITY AND SEASONAL VARIATION IN ABUNDANCE OF MOSQUITOES IN A SOUTHWEST LOUISIANA MARSH. **W. Dees**, L. Canning, H. Meyer, J. Land, C. Chapman, M. Wagle, B. Clark, J. Dees, and T. Sylvester
- P45 - VERTICAL DISTRIBUTION OF NIGHT-FLYING MOSQUITOES IN A SOUTHWEST LOUISIANA MARSH. **W. Dees**, L. Canning, H. Meyer, J. Land, C. Chapman, and M. Wagle
- P46 - UNPALATABILITY OF THE COLONIAL ROTIFER, *SINANOTHERINA SOCIALIS*, TO ODONATE NYMPHS. **Katrina M. Weber**, Alma D. Castanon, and Elizabeth J. Walsh
- P47* - SCANNING ELECTRON MICROSCOPY (SEM) STUDY OF SEED COAT VARIATION IN THE SUBTRIBE AGRIMONIINAE (ROSACEAE). **Nguyet Hoang** and Wayne J. Elisens
- P48 - CLUTCH SIZE AND POLLEN OVULE RATIOS IN THE APOCYNACEAE. **Julia Stutzman** and Justin K. Williams

- P49 - TRENDS IN GIS: REMOTE SENSING THE HIERARCHICAL LEVELS OF THE NVCS. **Justin L. Degrate** and Justin K. Williams
- P50 - EFFECTS OF LIGHT INTENSITY ON PHOTOSYNTHETIC PARAMETERS OF *QUERCUS GAMBELII* (GAMBEL'S OAK) IN OPEN AND LOODLAND COMMUNITIES IN NEW MEXICO. **J. K. Bush** and O. W. Van Auken
- P51 - PHOTOSYNTHETIC RATES OF *AESCULUS PAVIA* VAR. *FLAVESCENS* (RED BUCKEYE, HIPPOCASTANACEAE). **O. W. Van Auken** and J. K. Bush
- P52 - POLLINATOR EFFECTIVENESS AND IMPORTANCE IN STAR CACTUS (*ASTROPHYTUM ASTERIAS*). Andrew W. Blair and **Paula S. Williamson**
- P53 - ASSESSMENT OF TEMPORAL AND SPATIAL DISTRIBUTIONS OF CRITICAL WETLANDS ALONG THE MIDDLE RIO GRANDE. **Christian G. Andresen** and Vanessa Loughheed
- P54* - IDENTIFICATION OF BACTERIAL ROLES IN LEAF DEGRADATION. **Anthony Nguyen**, Clay Barton, Pamela Vazquez, Chad Hargrave, and Todd P. Primm
- P55* - MICROBIAL COMMUNITIES INVOLVED IN LEAF DEGRADATION. **Clay Barton**, Pamela Vasquez, Richard Lewis, Chad Hargrave, and Todd P. Primm