

ASU College of Sciences
Presentations and Awards at Texas Academy of Sciences
March 8-9, 2008, Corpus Christi, Texas

Faculty:

Ned Streth and Lynn McCutchen, An Overall Assessment of "Los Aracnidos de Tamaulipas; a one week mini-course conducted at the Instituto Tecnológico de Cd. Victoria, Tamaulipas, Mexico in August of 2007.

Ned Streth and Alfonso Correa-Sandoval, A Review of the Land Snail Genus *Holospira* (Gastropoda: Urocoptidae) from the State of Coahuila in Northern Mexico.

Nick Flynn, An Alternative Approach to Freshmen Chemistry Lab Practicals

Elsie Campbell and Dionne Bailey, Mean Stuff

Chris Barker, R. Nielson, and Joseph Satterfield, Comparison of Deformation Trends in Cretaceous Boquillas Strata in Ernst Tinaja and Dog Canyon, Big Bend National Park, Tx.

Students:

Ryan Sonntag (Dept of Physics) — 1st Place recipient of \$1500 for his undergraduate research proposal entitled Detailed Geologic Mapping Of The Slaughter Ranch, Big Bend Region, Texas, Advisor: Joe Satterfield

Dana Lee (Dept of Biology) — 1st Place recipient of \$1500 for her graduate research proposal entitled Taxonomic Status Of The Davis Mountains Cottontail, *Sylvilagus robustus* (Lagomorpha: Leporidae) revealed by amplified fragment length polymorphism, Advisor: Loren Ammerman

Ashlee Stiles (Dept of Biology) — 1st Place for her oral presentation entitled Temporal Variation Of Myoglobin Concentration In Flight And Cardiac Muscle Of The Mexican Free-Tailed Bat (*Tadarida brasiliensis*), Advisor: David Marsh

Shane Guthrie (Dept of Chemistry and Biochemistry) — 3rd Place recipient of \$500 for his undergraduate research proposal entitled Acrylamide Production In French Fries, Advisor: Nick Flynn

Gema Guerra (Dept of Biology) — Honorable mention for her oral presentation entitled Phylogeography Of Western Spotted Skunks Based On Cytochrome B Dna Sequence, Advisors: Robert Dowler and Loren Ammerman

Jessica Halley Newman (Dept of Mathematics) — \$500 recipient of the Dr. Ali Reza Amir-Moez Award for best oral presentation in math titled A Probabilistic Algorithm For Measuring Of Coastline Length, Advisor: Trey Smith

Individual Presentations:

Jason Strickland and J. Kelly McCoy, A Study of the Demography of the Western Cottonmouth Moccasin (*Agkistrodon piscivorus leucostoma*) at the Western Limit of its Range.

Adam Ferguson and Loren K. Ammerman, Molecular Phylogenetics of West-Central African Shrews: An Emphasis On *paracrocidura*.

Shane Guthrie and Nick Flynn, Comparison of Variables that may alter Acrylamide Production in french fries.

Dana Lee and Loren Ammerman, Resolving Conflicts Between Morphological and Mitochondrial DNA Data Sets in *Myotis* Bats.

David Ballard and Connie Russell, Motivations, Self-Efficacy and Learning Strategies of Students Enrolled in *Principles of Biology* at Angelo State University.

Posters:

Chris Montag and Ned Strenth, An Examination of Shell Damage in the Land Snail *Rabdotus alternatus* (Gastropoda: Pulmonata) from the Desert Environments of West Texas and Northern Mexico.

Special Honors:

Dr. Ned Strenth — received the *Outstanding Service Award* for his years of excellent service to the Academy.