

PAUL ALVARADO LENHART

Curriculum Vitae

EDUCATION

- | | |
|-----------------|---|
| 2005-May/June | <ul style="list-style-type: none">• Insect Biodiversity and Land Use Change in Sonora, Mexico
Course out of University of Arizona held in Guaymas Sonora, Mexico |
| 2004 to present | <ul style="list-style-type: none">• B.Sc. (current) Biology with an Ecological and Evolutionary emphasis minor Geology, University of Texas at El Paso (UTEP)
Honors program, Dean's list 2004 to present
Advisor: Dr. William Mackay and Dr. Jerry Johnson
Honors Thesis: <i>A Revision of the Amazonian ponerine ant genus Dinoponera Roger (Hymenoptera: Formicidae)</i> |
| 2000 to 2004 | <ul style="list-style-type: none">• High School Diploma, J.M. Hanks High School, El Paso, TX
Top Ten |
-

HONORS AND AWARDS

- | | |
|-----------------|---|
| 2005 to present | <ul style="list-style-type: none">• Funding from the Undergraduate Mentoring in Environmental Biology Grant, National Science Foundation (\$24,000.00 + supplies) |
| 2004 to present | <ul style="list-style-type: none">• UTEP Presidential Excellence Scholarship Award (\$14,000.00) |
| 2004 | <ul style="list-style-type: none">• Eagle Scout - Member of Boy Scouts of America from 1991-2004 |

PROFESSIONAL EXPERIENCE

- | | |
|----------------------|--|
| 2005-August-December | <ul style="list-style-type: none">• MIRATEK, government contractor for Fort Bliss Directorate of Environment (DOE), field biologist conducting plant surveys on Doña Ana and McGregor Range. Supervisor-Silvia Chamlee (phone 256-3521) |
| 2005 June-August | <ul style="list-style-type: none">• DOE-Conservation Division, Wildlife Biology Aide.
Identified pests, aged antelope jawbones, looked for migratory bird nests, cataloged and mapped aerial photographs, mapped shinery oak distributions, collected insects from McGregor Range for species list database. Supervisor-Brian Locke PhD (phone 568-3016) |
| 2005-January-May | <ul style="list-style-type: none">• Curated insects from Indio Mountains Research Station pitfall |

transects

- | | |
|------------------|---|
| 2005 May-April | • Arthropod identification from the stomach contents of bisexual and unisexual <i>Aspidocelis</i> (Squamata: Teiidae) for the Masters thesis of Vicente Mata-Silva. |
| 2004-June-August | • DOE-Conservation Division, Office Automation Clerk and Wildlife Biology Aide. Supervisor-Brian Locke PhD |
| 2004-August | • DOE-Conservation Division, updated a database with wildlife biology field notes. Supervisor-Brian Locke PhD |

RESEARCH PROJECTS

- | | |
|-----------------|--|
| 2006 to present | • Honors Thesis: The taxonomy of <i>Dinoponera</i> (Hymenoptera: Formicidae) |
| 2006 to present | • Independent Study: Natural History of <i>Trachymyrmex smithi</i> (Hymenoptera: Formicidae) |
| 2005-Spring | • Special Topics in Biology: Diet of the pallid bat, <i>Antrozous pallidus</i> , at Indio Mountains Research Station |
| 2004-Fall | • Independent Study: Biogeography of Harvester ants, <i>Pogonomyrmex</i> sp. |

RESEARCH SKILLS

- Use of dichotomous keys
- Proficient at identification of:
 - Reptiles and Amphibians of Western North America
 - Insects and Arachnids (sight identification of families)
 - Ants Genera of the New World
- Curating and maintenance of insect collections
- Experience with small mammal, reptile, and arthropod handling and sampling techniques
- Familiar with identification of common Chihuahuan desert plants
- Comfortable with basic laboratory techniques
- Proficient in scientific illustration
- Experience:
 - with safety, operation, and accuracy of firearms (and archery equipment)

- with SLR cameras
- driving with manual transmission
- backpacking
- Moderately fluent in Spanish
- Capable with Microsoft Computing Applications (Word, Excel, PowerPoint)
 - 1st place-Advanced Word Processing skills, Business Professionals of America, National Qualifying 2003

FIELD TRIPS AND EXPEDITIONS

- | | |
|-----------------|---|
| 2004 to present | <ul style="list-style-type: none"> • Numerous trips to the Indio Mountains Research Station, Hudspeth Co., Texas |
| 2006-April | <ul style="list-style-type: none"> • Insect collecting trip from Chihuahua to Michoacán and Colima (10 days) |
| 2005-July | <ul style="list-style-type: none"> • Insect collecting trip to Ecuador (3 weeks) |
| 2004-July | <ul style="list-style-type: none"> • Insect collecting trip to Guatemala (4 weeks) |

PROFESSIONAL PRESENTATIONS

- | | |
|--------------------------|---|
| Oral Presentations | <ul style="list-style-type: none"> • Lenhart, P.L., Dash, S.T., and Mackay, W.P. 2006 “The systematics of the ponerine ants of the genus <i>Dinoponera</i>.” 53rd Annual Meeting of the Southwestern Association of Naturalists. Colima, Colima, Mexico. • Lenhart, P. L., Mata-Silva, V., and Johnson, J. D. 2005 “Food Consumption of the pallid bat <i>Antrozous pallidus</i> (Chiroptera: Vespertilionidae), on Indio Mountains Research Station” 52nd Annual Meeting of the Southwestern Association of Naturalists, Sam Houston State University, Huntsville, Texas • Lenhart, P. L. and Mackay, W. P. 2004 “Biogeography of harvester ants of the genus <i>Pogonomyrmex</i> (Hymenoptera: Formicidae).” Sixth Symposium on the Natural Resources of the Chihuahuan Desert Region, Sul Ross State University, Alpine, Texas |
| Coauthored Presentations | <ul style="list-style-type: none"> • Lenhart, P. A., S. Del Toro, S. T. Dash, I. Del Toro, and W. P. Mackay. 2006. New style of fungal construction in the fungal-growing ant <i>Trachymyrmex smithi</i> (Hymenoptera: Formicidae) of the El. Paso Texas area. 53rd Annual Meeting fo the Southwestern Association of Naturalist. Colima, Colima, Mexico. • Mata-Silva, V., Johnson, J. D., and Lenhart P.A. 2005 Preliminary observations on the diet of two Lizards <i>Aspidoscelis marmorata</i> and |

Aspidoscelis tessellata in the Chihuahuan Desert. 52nd Annual Meeting of the Southwestern Association of Naturalists, Sam Houston State University, Huntsville, Texas

Informal
Presentations

- **Lenhart, P.L.** 2006 exotic insect “show and tell”. Pack 86, Tiger Cub Den 6, El Paso, TX
- **Lenhart, P.L.** and J.D. Johnson. 2005 “Career Day: Biologist.” Alamo Elementary School, El Paso, TX

TEACHING EXPERIENCE

- | | |
|------------|---|
| 2006-April | • Volunteer teaching assistant for Ecology field trip at Indio Mountains Research Station |
| 2005-May | • Volunteer teaching assistant for Field Biology field trip at Indio Mountains Research Station |
| 2005-April | • Volunteer teaching assistant for Field Biology field trip at Indio Mountains Research Station |

ORGANIZATIONS

- | | |
|-----------------|---|
| 2006 to present | • UTEP Geology Club |
| 2006 to present | • Society for Advancement of Chicanos and Native Americans in Science |
| 2004 to 2005 | • RISE Scholars Program (Research Initiatives for Scientific Enhancement) |
| 2005 to present | • Sigma XI, The Scientific Research Society, Associate Member |
| 2004 to 2005 | • UTEP Fencing Team |