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Hexapod Herald - Vol. 14, No. 4, [August?] 2002

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"Hexapod Herald - Vol. 14, No. 4, [August?] 2002" (2002). *Hexapod Herald and Other Entomology Department Newsletters*. 204.

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Graduate Student News

Isaac Oyediran's dissertation defense was held June 27, 2002. His dissertation title was "Sperm Precedence in Two *Diabrotica* (Coleoptera: Chrysomelidae) Subspecies Demonstrated Phenotypically and by Random Amplified Polymorphic DNA - Polymerase Chain Reaction (RAPD-PCR)."

Martha Lutz received a Ph.D. in science education from the University of Iowa in May. Her dissertation was on the use of insects in K-8 classrooms. Martha says completing this degree means she is almost clear to concentrate full-time (as much as that is possible with three children still at home) on her work for Nebraska.

From the Office

National Highway Traffic Safety Administration warnings for 15 passenger vans and their propensity to roll over resulted in changes in UNL's policy on use of large vans. Effective July 1, 2002, only UNL faculty, staff, and students that are 21 years or older may drive a large passenger-van (whether rented from Transportation Services, department owned, or rented from an outside agency) while on University business. Prior to driving a large passenger-van, all drivers **MUST** take and pass the driver training program provided by UNL Transportation Services by September 30, 2002. Classes will be offered regularly on both City and East Campuses. Registration is required. To register call Environmental Health and Safety at 2-4925. For more information regarding this policy or the required training, contact Transportation Services at 2-2659.

Grants



- Fred Baxendale**
- Dow AgroSciences \$12,500
Arthropods Associated with Buffalograss and other Turfgrasses in Nebraska
- Fred Baxendale**
- The Scotts Company \$2,400
Arthropods Associated with Buffalograss and other Turfgrasses in Nebraska
- John Foster**
- Monsanto \$8,400
Host Plant Resistance to Insects
- John Foster**
- Monsanto \$18,400
Arthropods Associated with Crop Pests
- Leon Higley**
- Monsanto \$4,000
Applied Research on Crop Insects
- Leon Higley**
- Nebraska Games and Parks Commission .. \$28,166
*Biology and Conservation of the Salt Creek Tiger Beetle, (*Cicindela nevadica lincolniana*, in Lancaster County, Nebraska*

- Shripat Kamble**
- AVENTIS Environmental Science Inc. \$7,000
Termite Research
- Lance Meinke**
- BASF Corporation \$1,000
Biology, Ecology, and Management of Diabrotica Species
- Lance Meinke**
- Bayer Corporation \$9,825
Biology, Ecology, and Management of Diabrotica Species
- Lance Meinke**
- Dow AgroSciences \$1,500
Biology, Ecology, and Management of Diabrotica Species
- Lance Meinke**
- Monsanto \$10,000
Biology, Ecology, and Management of Diabrotica Species
- Lance Meinke**
- Pioneer Hi-Bred International \$3,500
Biology, Ecology, and Management of Diabrotica Species
- Blair Siegfried and Thomas Hunt**
- CSREES Risk Avoidance and Mitigation Program \$283, 913
A Site-specific Field Corn IPM Program that Incorporates Transgenic Technology
- Blair Siegfried and Lance Meinke**
- USDA National Research Initiative \$71,107
QTL Mapping Of Insecticide Resistance Genes in Western Corn Rootworm
- Blair Siegfried**
- Monsanto \$12,000
Corn Rootworm Rubidium
- Blair Siegfried**
- Monsanto \$10,000
Resistance Management for Corn Insect Pests
- David Stanley**
- National Science Foundation \$13,090
*US-Korea Coop. Research: The Insect Pathogen *Xenorhabdus Nematophilus* depresses Host Immunity by Inhibiting Eicosanoid Biosynthesis*

Dr. Tiffany Heng-Moss and Connie Reimers-Hild have been awarded a course development grant from the Office of Extended Education and Outreach. The Extended Education Training Support and Course Development proposal, "Introduction to Insects" will be funded in the amount of \$10,000.

Drs. Gayle Buck, **Marion Ellis**, and **Tiffany Heng-Moss** have received \$38,760 in funding from the Coordinating Commission for Postsecondary Education under the Eisenhower Professional Development Program for their proposal, "An Inquiry-Based Instruction Model for Using Insects in the Classroom."

Dr. Thomas Hunt's proposal entitled, "Conservation Buffer Establishment and Early Growth," has been selected for funding by the Alan & Irene Williams Endowment from the Agricultural Research Division. The funding is \$14,990 a year for two years. Dr. Hunt is one of the first recipients of this endowment.

Publications



Jameson, M.L., B.C. Ratcliffe, and V. Maly. 2002. Review of the genus *Acrobolbia* with remarks on its classification, and a key to the world genera of Cyclocephalini (Coleoptera: Scarabaeidae: Dynastinae). *Folia Heyrovskyana* 10: 1-15.

The following chapters are contained in Arnett, R.H., M. Thomas, P.E. Skelley, and J.H. Frank (eds.), *American Beetles*, Vol. 2, CRC Press, Boca Raton, FL:

Jameson, M.L. 2002. Chapter 26. Glaresidae Semenov-Tian-Shanskii and Medvedev 1932, pp. 15-16.

Jameson, M.L. 2002. Chapter 27. Trogidae MacLeay 1819, pp. 17-19.

Jameson, M.L. 2002. Chapter 29. Geotrupidae Latreille 1802, pp. 23-27.

Jameson, M.L. 2002. Chapter 31. Hybosoridae Erichson 1847, pp. 32-33.

Jameson, M.L. 2002. Chapter 32. Ceratocanthidae Martínez 1968, pp. 34-36.

Jameson, M.L. 2002. Chapter 34-IV. Rutelinae MacLeay 1819, pp. 60-64.

Jameson, M.L. and B.C. Ratcliffe. 2002. Chapter 24. Diphyllosomatidae Holloway 1972, pp. 10-11.

Ratcliffe, B.C. 2002. Chapter 23. Lucanidae Latreille 1804, pp. 6-9.

Ratcliffe, B.C., M.L. Jameson, and A.B.T. Smith. 2002. Chapter 34. Scarabaeidae Latreille 1802, pp. 39-81 (in part).

Ratcliffe, B.C. 2002. Chapter 34-V. Dynastinae MacLeay 1819, pp. 64-67.)

Ratcliffe, B.C. 2002. Chapter 34-VI. Cetoniinae Leach 1815, pp. 67-71.

Jameson, M.L. and B.C. Ratcliffe. 2002. Series Scarabaeiformia Crowson 1960, Superfamily Scarabaeoidea Latreille 1802, pp. 1-5. In, Arnett, R. H., M. Thomas, P. E. Skelley, and J. H. Frank (eds.), *American Beetles*, Volume 2. CRC Press, Boca Raton, FL. 861 pp.

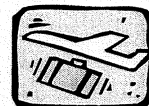
Macedo, P.A., M.D. Ellis, and B.D. Siegfried. 2002. Detection and Quantification of Fluvalinate Resistance in *Varroa* Mites in Nebraska. *American Bee Journal*, Vol. 142 (7), July 2002.

Oyediran, I.O., and E.A. Heinrichs. 2002. Response of lowland rice to stimulated insect defoliation in West Africa. *Int. J. Pest. Mgt.* 48 (3) 219-224.

Ratcliffe, B. C. 2002. Book Review. *Fauna of New Zealand* No. 42. Aphodiinae (Coleoptera: Scarabaeidae) by Z. T. Stebnicka. *Proceedings of the Washington Entomological Society* 104: 823-824.

Smith, A. B. T. 2002. *Leucopelaea albescens* Bates, 1891 (Insecta, Coleoptera): proposed validation of the lectotype designation. *Bulletin of Zoological Nomenclature* 59(2): 97-98.

Travel



Team Scarab (**Brett Ratcliffe, Mary Liz Jameson, Andrew Smith, Federico Ocampo, and Matt Paulsen**) conducted research and collected specimens in Honduras, Nicaragua, and El Salvador in June.

E.A. "Short" Heinrichs and Connie Reimers-Hild traveled to Nigeria in June and July as part of the Worldwide Farmer-to-Farmer Program sponsored by Land O'Lakes International Development Division. Activities included consulting on vegetable pest management issues and meeting with colleges to discuss future distance education opportunities.

In June, a contingent from Nebraska, including **Fred Baxendale, Jack Campbell, John Foster, Leon Higley, Wyatt Hoback, Tom Hunt, and Brad Mills** (from CIT), attended the meeting of the Brazilian Entomological Society in Manaus, Brazil. Besides the meeting, lots of time was spent on the Rio Negro, in the rainforest, taking hundreds of insects photos, and shooting hours of video. In addition to the insects, a highlight of the trip was a group dinner with our Brazilian colleagues with Nebraska connections. We also did some ground work for a possible student course/trip up the Rio Negro. Look for a brown bag seminar on the trip early this fall.

David Stanley traveled to the Escuela Agrícola Regional del Tropicó Humedo (EARTH), Costa Rica during July, where he presented lectures in a Latin American Masters Degree program, the Maestria Tecnológica en Medidas Sanitarias y Fitosanitarias.

With a Visiting Scholars grant, **Andrew Smith** conducted research at the Canadian National Collection of Insects in Ottawa in early August.

This 'n That

A farewell reception was held June 10, 2002 for **Christina Bastos** and **Fabio Suinaga** who recently returned to Viçosa, Brazil, to continue their Ph.D. programs. They were conducting research under the "sandwich program" this past year with **Drs. Leon Higley and John Foster**. Best wishes to Christina and Fabio!

Shripat Kamble has donated the following three books published by the Entomological Society of America, Lanham, Maryland, to the department library in Room 214:

Quisenberry, Sharron S. and Frank B. Peairs, (eds.) 1998. *Response Model for an Introduced Pest - The Russian Wheat Aphid*, Thomas Say Publications in Entomology: Proceedings

Ellsbury, M.M., E.A. Backus, and D.L. Ullman, (eds.) 1994. *History, Development, and Application of AC Electronic Insect Feeding Monitors*, Thomas Say Publications in Entomology: Proceedings.

Schaefer, Carl. W. And Richard A.B. Leschen, (eds.) 1993. *Functional Morphology of Insect Feeding*, Thomas Say Publications in Entomology: Proceedings.

Entomology Fall 2002 Faculty Meeting Dates

9:30 AM - 214 Plant Industry Bldg.

Wednesday, August 21
Wednesday, September 18
Wednesday, October 16
Wednesday, December 11