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June 2005

VI Reunión Latinoamericana De Scarabaeoidologia

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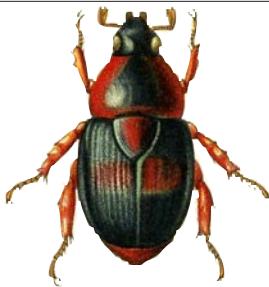
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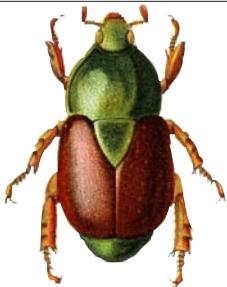
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Ratcliffe, Brett C., "VI Reunión Latinoamericana De Scarabaeoidologia" (2005). *Papers in Entomology*. 106. <https://digitalcommons.unl.edu/entomologypapers/106>

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SCARABS



Va's hoté, tey yenar ahey

Occasional Issue Number 16

Print ISSN 1937-8343 Online ISSN 1937-8351

June, 2005

Mr. Fall & Me

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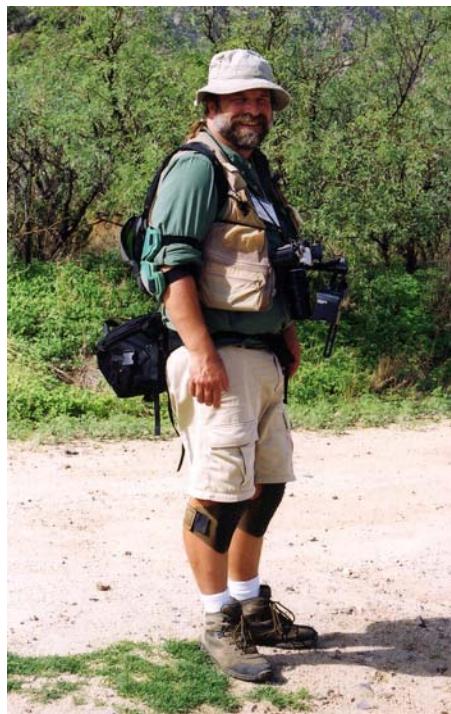
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By Arthur V. Evans

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During a field trip to southeastern Arizona in the summer of 1974, it hit me like, well, a ton of beetles. It was then and there that I decided to focus my life-long fascination for insects on just one group: beetles. A year later my passion for beetles became even more finely tuned. I wanted to work on scarab beetles. But my newfound passion for scarabs wasn't just about collecting beetles. I wanted to know everything about them, their distributions, relationships, and natural histories.

At the time I was employed as a student worker at the Natural History Museum of Los Angeles County. There I could indulge my curiosity, not only by scanning one of the largest beetle collections in California, but also by poring over the museum's fabulous library, replete with tomes and scientific journals, many of which date back to the mid-1800s. I was free to wander the stacks at will to peruse, choose, and photocopy articles of interest. As a denizen of the southwest, I decided that it would be most prudent to narrow my literature searches to



The Doctor In All His Glory

the scarab fauna of California and Arizona.

As my research progressed and my collection of scarab papers grew, the names of certain coleopterists, beetle workers to the uninitiated, kept coming up again and again. LeConte, Horn, Casey, and Fall. They were all long gone, but

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VI Reunión Latinoamericana De Scarabaeoidología

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The “almost-every-two-year” meeting of Latin American scarab workers was held 10-16 October 2004 at EARTH University in the warm Atlantic lowlands of Limón Province, Costa Rica. Previous meetings have been held in Guatemala, Mexico, Ecuador, Colombia, and Brazil. The next meeting is tentatively planned for Bolivia in 2006.

The Costa Rica meeting was organized by Bert Kohlmann (EARTH University) and Ángel Solís (INBio), and they did a spectacular job of making everything run smoothly and efficiently. Transportation to and from the airport in San José was provided, and the accommodations, food, and the meeting venue at EARTH University were outstanding. The facilities at EARTH were modern, ultra-clean, comfortable, and surrounded by lush tropical vegetation. Kiskadees greeted you each morning with their song on your walk to the dining hall, and crickets and frogs bid you good evening each night . . . well, actually, they were advertising for sex, but you get my meaning about the ambiance. And what better ambiance for a scarab meeting than to have elephant beetles (*Megasoma elephas*) flying to the street lights at night!

Adding to all of this was the genuine collegiality of all in attendance who shared a common interest in all things scarabaeoid. For some, their work was a beginning Master’s thesis and for others a lifelong, professional passion. Regardless of age, experience, or nationality, language barriers melted away when talking about scarabs. Cerveza and Cuba libres each night assisted with translations.

There were 45 registrants for the meeting from 13 countries (Mexico, Guatemala, Costa Rica, Colombia, Bolivia, Canada, United States, South Africa, Germany, France, United Kingdom, Spain, and Belgium). There were 40 presentations (most in Spanish, some in English) on Monday, Wednesday, and Friday. PowerPoint presentations accompanied each talk. On Tuesday, nearly everyone went on a field trip to INBio on a chartered bus to study collections and tour the institute. On Thursday, there were tours of the very large EARTH University campus that included a banana plantation and processing plant (as a banana connoisseur, I learned a LOT that I did not know) as well as a 400 hectare rainforest preserve. During our several hours of walking in the preserve, we saw numerous

insects, spiders (giant orb weaver and tarantulas), snakes (including a fer-de-lance), lizards, frogs, and monkeys (howler, spider, and white face). I have been told that a couple of insects accidentally fell into small vials, but I disclaim any firsthand knowledge of this.

One night, there was a group dinner at an outdoor restaurant in nearby Guapiles where reservations had been made. The restaurant was so overwhelmed with the size of our group that the evening turned into a comical circus. Conversely, an incredibly good farewell dinner was held at EARTH University on Friday, our last evening, and it was a memorable occasion with white linen, wine glasses, and silverware table settings in “country club-in-the-jungle” surroundings, free bar, excellent food, and tremendous conviviality.

All participants at the Reunión received a briefcase, hat and T-shirt, all emblazoned with the scarab logo for the meeting, printed program with abstracts, and two CDs with the abstracts, participant contact information, short videos about EARTH University, and photos from the meetings. This has to be one of the best meetings I have ever attended, and it sets a high standard for all of those to follow.

LIST OF PRESENTED PAPERS

Los Escarabajos Fruteros (Scarabaeidae, Cetoniinae) de Costa Rica.

Ángel Solís. Instituto Nacional de Biodiversidad (INBio), Heredia, Costa Rica.

El Género *Canthidium* en Costa Rica.

Ángel Solís y Bert Kohlmann. Instituto Nacional de Biodiversidad (INBio), Heredia, Costa Rica.

Biogeografía de los Scarabaeinae de Costa Rica. Bert Kohlmann, Ricardo Russo, Ángel Solís, Ortwin Elle, Xinia Soto y Gina Reyes. Universidad EARTH, Guácimo, Costa Rica.

El Río Tárcoles de Costa Rica. Una Frontera Biogeográfica inducida por Tectónica de Placas. Bert Kohlmann y Justine Wilkinson. Universidad EARTH, Guácimo, Costa Rica.

La Cápsula Genital Masculina en el Género *Phyllophaga* Harris (Coleoptera: Melolonthidae: Melolonthinae); Complejidad Estructural, Morfometría y Evolución.

Miguel Ángel Morón. Instituto de Ecología, Veracruz, México.

Satellite Images as Primers for Dung Beetle Field Surveys as Means of Forest Management Sustainability Evaluation Tools.

Naikoa Aguilar-Amuchastegui, University of Nebraska, Lincoln, USA.

Comparación de la Diversidad de Escarabajos Copro-Necrófagos, Ranas y Murciélagos en Bosque de Niebla y Cafetales con Sombra, Veracruz, México.

Federico Escobar, Jorge M. Lobo, Gonzalo Halfter. Instituto de Ecología, Veracruz, México.

Variación Latitudinal de la Comunidad de Escarabajos del Estiércol (Scarabaeinae) en Montañas Neotropicales.

Federico Escobar, Jorge M. Lobo, Gonzalo Halfter. Instituto de Ecología, Veracruz, México.

Revisión Taxonómica, Notas de Comportamiento y Relaciones Filogenéticas de Zonocopsis Arrow.

Fernando Vaz-de-Mello. Instituto de Ecología, Veracruz, México.

Estudio Filogenético de los Hopliini (Coleóptero: Scarabaeoidea).

Hortensia Carrillo-Ruiz y Miguel Ángel Morón Ríos. Instituto de Ecología, Veracruz, México.

<p>Sénsulos Antenales de Hembras y Machos de <i>Phyllophaga obsoleta</i> Blanchard (Coleoptera: Melolonthidae).</p> <p>Ángel Alonso Romero-López, René Arzuffi, Jorge Valdez y Miguel Ángel Morón. Instituto Politécnico Nacional, Yautepec, Morelos, México.</p>	<p><i>Cryptomeigenia</i> sp. (Diptera: Tachinidae) como Parasitoide de <i>Phyllophaga rufotestacea</i> (Moser, 1921) (Coleoptera) en Chiapas México.</p> <p>Concepción Ramírez-Salinas, Cutberto Pacheco-Flors y Adriana E. Castro Ramírez. El Colegio de la Frontera Sur, Chiapas, México.</p>
<p>Caracterización Morfológica de la Terminalia Abdominal de <i>Phyllophaga obsoleta</i> Blanchard (Coleoptera: Melolonthidae).</p> <p>Ángel Alonso Romero López, René Arzuffi, Jorge Valdez y Miguel Ángel Morón. Instituto Politécnico Nacional, Yautepec, Morelos, México.</p>	<p>Fauna de Melolóntidos (Insecta: Coleoptera) Asociados al Maíz (<i>Zea mays</i>) en los altos de Chiapas.</p> <p>Adriana E. Castro-Ramírez, Hugo Delfín González, Victor Parra Tabla y Miguel Angel Morón. El Colegio de la Frontera Sur. Chiapas, México.</p>
<p>A Faunistic Survey of the Dynastine Scarab Beetles of Mesoamerica.</p> <p>Brett C. Ratcliffe, University of Nebraska, Lincoln, USA.</p>	<p>Eficacia de dos Tipos de Recolecta de Melolóntidos (Coleoptera) en San Cristóbal, Chiapas, México.</p> <p>María de J. Méndez-Aguilar, Cutberto Pacheco-Flores, adriana E. Castro-Ramírez y Concepción Ramírez-Salinas. El Colegio de la Frontera Sur. Chiapas, México.</p>
<p>Evolutionary Biology of <i>Pachysoma</i> Desert Dung Beetles: Adaptation and Reversals in Adversity.</p> <p>Clarke Scholtz, James Harrison and Catherine L. Sole. University of Pretoria, Pretoria, South Africa.</p>	<p>Los Ciclos Reproductivos de Algunas Especies de Escarabajos del Estiércol (Coleoptera, Aphodiinae: Aphodiini) de México.</p> <p>Imelda Martínez Morales. Instituto de Ecología. Veracruz, México.</p>
<p>Biología Reproductiva de <i>Eurysternus mexicanus</i> (Coleoptera: Scarabaeinae: Eurysternini).</p> <p>Carmen Huerta, Rosario López y Gonzalo Halffter. Instituto de Ecología, Xalapa, Veracruz, México.</p>	<p>Archivo de Autoridad Taxonómica de los Escarabajos Coprófagos (Coleoptera: Scarabaeinae, Aphodiinae) de la Región Andina Colombiana.</p> <p>Luz Astrid Pulido Herrera y Raúl Antonio Riveiros Cañas. Alexander von Humboldt, Bogotá, Colombia.</p>
<p>Diplogastrid Nematodes on Scarab-Beetles: Association and Co-Evolution.</p> <p>Matthias Herrmann, Werner E. Mayer and Ralf J. Sommer. Max Planck Institute for Developmental Biology, Tübingen, Germany.</p>	<p>Preliminary Phylogenetic Analyses of the Dung Beetle Genus <i>Phanaeus</i> using Morphological Data.</p> <p>Dana L. Price. Rutgers University, New Brunswick, NJ, USA.</p>
<p><i>Acantepheira stellata</i> (Walckenaer, 1805) (Araneae: Araneidae) como depredador de <i>Phyllophaga</i> spp. (Coleoptera).</p> <p>Cutberto Pacheco-Flores, Adriana E. Castro-Ramírez, Miguel A. Pinkus y Concepción Ramírez Salinas. Colegio de la Frontera Sur. Chiapas, México.</p>	<p>Overview of the Anomalini (Rutelinae): Discoveries and Difficulties.</p> <p>Mary Liz Jameson. University of Nebraska State Museum, Lincoln, NE, USA.</p>
<p>Balance de Nitrógeno por Cuatro Especies de “Gallinas Ciegas” (Coleoptera: Melolonthidae) Alimentándose de Composta.</p> <p>Adriana E. Castro-Ramírez, Concepción Ramírez-Salinas, Miguel Angel López-Anaya, Ma. Guadalupe Pérez Escobar, Cutberto Pacheco-Flores y Manuel de Jesús Anzueto. El Colegio de las Frontera Sur, Chiapas, México.</p>	<p>A New Species of <i>Neoscelis</i> Schoch from Jalisco, México (Coleoptera: Scarabaeidae: Cetoniinae).</p> <p>Alan D. Mudge, Brett C. Ratcliffe, Richard L. Westcott and Felipe Noguera. Oregon Department of Agriculture, Salem, Oregon, USA.</p>
<p>Nuevo Registro de <i>Phyllophaga</i> (<i>Phytalus</i>) <i>rufotestacea</i> (Moser) 1918, (Coleoptera: Scarabaeoidea) para México y Chiapas.</p> <p>Cutberto Pacheco-Flores y Adriana Castro-Ramírez. El Colegio de la Frontera Sur, Chiapas, México.</p>	<p>Biodiversidad de los Escarabeidos Saproxílicos y Fitófagos de los Bosques de Niebla del Sureste Mexicano.</p> <p>Estafanía Micó, Benigno Gómez & Gómez y Eduardo Galante. Centro Iberoamericano de la Biodiversidad. Universidad de Alicante, Alicante, España.</p>

The Scarabs in the Hope Entomological Collections: A Neglected Resource?
Darren J. Mann. Hope Entomological Collections, Oxford University Museum of Natural History, Oxford, United Kingdom.

Community and Seasonal Differences of Coprophagous Scarabaeidae in Three Forest Types in the Bolivian Andes.
Caroli Hamel, Darren J. Mann, Sebastián Hertzog and Ben A. Woodcock. Hope Entomological Collections, Oxford University Museum of Natural History, Oxford, United Kingdom.

Medida del Estado de Conservación de Selvas Neotropicales a través del Análisis de la Comunidad de Coleópteros Escarabaeidos: El Caso de la Selva de los Tuxtlas, México.
Mario E. Favila, Eduardo Galante y Alfonso Díaz Rojas. Instituto de Ecología, Veracruz, México.

Escarabajos Pleurosticti (Scarabaeidae) de la Selva Baja del Bosque Pluvial Tropical, Chocó, Colombia.
Jhon César Neita Moreno, Jesús Orozco y Brett Ratcliffe. Universidad Tecnológica del Chocó "Diego Luis Córdoba" Bogotá, Colombia.

Escarabajos Copronecrófilos (Coleoptera: Scarabaeidae: Scarabaeinae) de la Selva Baja del Bosque Pluvial Tropical Chocó, Colombia.
Jhon César Neita Moreno, W.D. Edmonds, Helbert Olaya Cuesta y Mario Mosquera Zúñiga. Universidad Tecnológica del Chocó "Diego Luis Córdoba". Bogotá, Colombia.

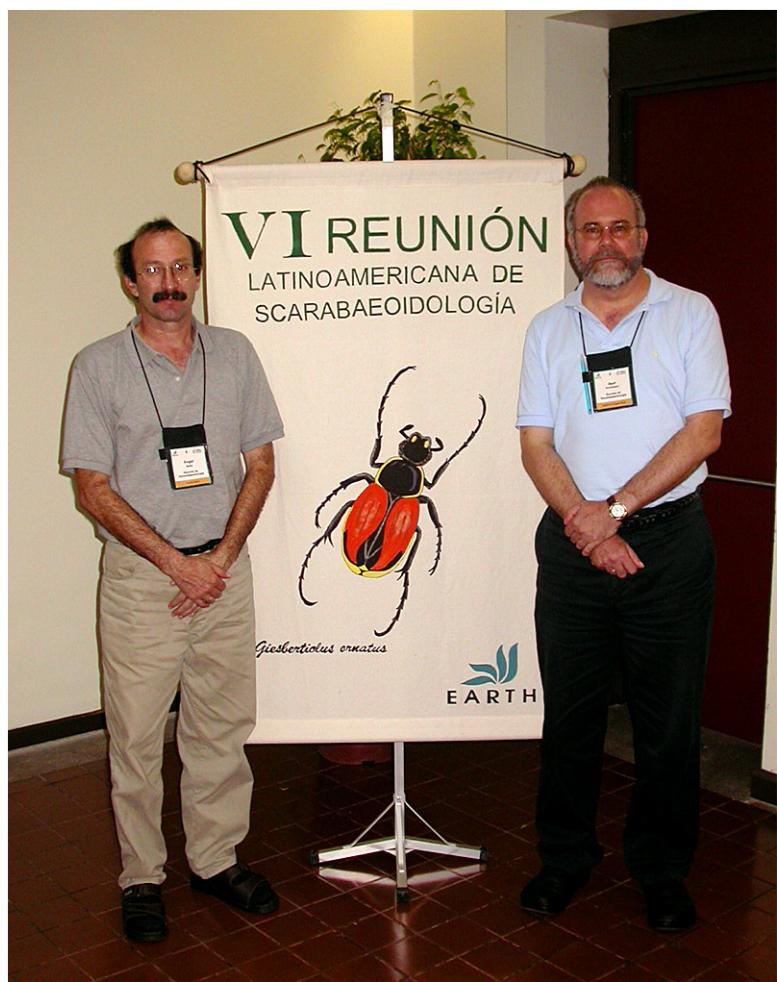
Diversity and Composition of Dung Beetle Communities on an Andean Latitudinal Gradient in the Bolivian Yungas.
Caroli Hamel, Sebastián K. Herzog and Darren J. Mann. Asociación Armonía. Santa Cruz de la Sierra, Bolivia.

A Phylogenetic Analysis of the Oniticellini and Onthophagini (Scarabaeidae: Scarabaeinae).
Keith Philips. Western Kentucky University, KY, USA.

Sex Attractants and mtDNA: Implications for Discerning Relationships within the Genus *Phyllophaga*.
Paul S. Robbins, Cornell University, Ithaca, NY, USA.

Síntesis del Género *Vindex* (Coleoptera: Passalidae) para México y Centroamérica.
Jack Schuster, Enio Cano, Donald Leiva, Lorena Lobos y Víctor Flores. Universidad del Valle de Guatemala, Guatemala.

Análisis de la Composición de los Escarabajos Coprófagos (Coleoptera: Scarabaeidae: Scarabaeinae) en Dos Bosques Andinos de Colombia (Serranía de los Churumbelos, Putumayo, Cauca y Picos de Fragua, Caquetá) Colombia.
Luz Astrid Pulido Herrera. Alexander von Humboldt, Bogotá, Colombia.



Ángel Solís and Bert Kohlmann,
organizers of the meeting

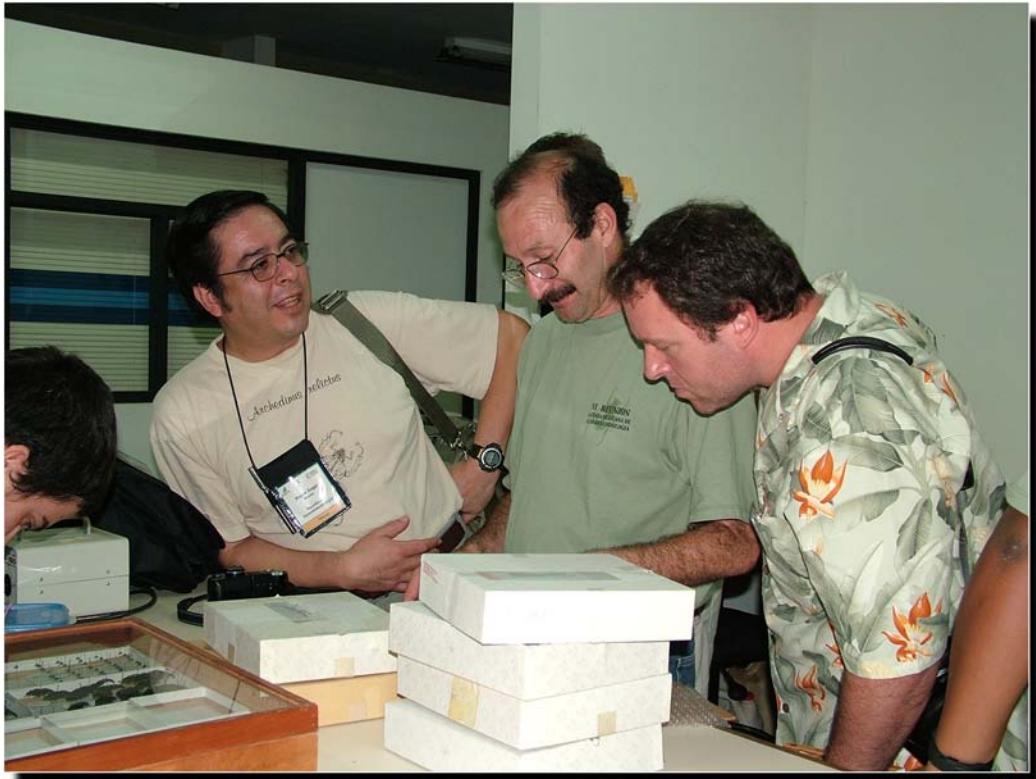
All Photos Courtesy of **Brett C. Ratcliffe**



Open air dining hall at EARTH University. Surprisingly, no mosquitos.



Jhon Cesar Neita (Colombia) giving his presentation.



Miguel Morón (Mexico), **Ángel Solís** (Costa Rica) and **Francois Génier** (Canada) at INBio.



Fernando Vaz-de-Mello (Mexico) and **Dave Edmonds** (USA) at INBio.



Fernando Vaz-de-Mello (left) and **Francois Génier** in the rainforest preserve.



Eduardo Galante (Spain), **Mary Liz Jameson** (USA), **Estefania Mico** (Spain) and **Brett Ratcliffe** (USA).



Alan Mudge (USA) with *Megasoma* friends.
He is *very* happy because he had never held live beetles of
this size before. Size *does* matter.



Carmen Huerta (Mexico) giving her presentation.



Stylized sketch of **Mary Liz Jameson** (USA)
by **Patrick Arnaud** (France).



Megasoma elephas asking for a ride in a conference satchel.