



Lacewing News



NEWSLETTER OF THE INTERNATIONAL ASSOCIATION OF NEUROPTEROLOGY

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Presentation

Greetings once again to everyone. Here we go with our second issue of 2006! As always, thanks to all enthusiast neuropterologists who kindly sent contributions, notes, and bibliographic references. Some of you have expressed a concern that an actual newsletter should be a rather frequent publication, and ours is, we should recognize, more on the "parsimonious" side at this point. Also, an important purpose of the newsletter, originally, was to disseminate new bibliography, but this is now so accessible thanks to internet resources. In any event, let's try to maintain Lacewing News. I suggest we keep a bibliographic section for the second issue of the year. There could be references that are not easily indexed through standard resources and it might be worthwhile to let all colleagues know about them. I would like to thank publicly one of my students, Daniel Reynoso, who has been very helpful in putting the newsletter together. As usual, please send all communications to acramos@uaeh.edu.mx (Atilano Contreras-Ramos). Questions about the International Association of Neuropterology may be addressed to our current president, Dr. John D. Oswald (j-oswald@tamu.edu). Concerns about the X International Symposium on Neuropterology (Slovenia 2008) should be directed to Dr. Dusan Devetak (dusan.devetak@uni-mb.si). Happy Holidays!

From Dusan Devetak

About the X International Symposium on Neuropterology, it will take place in Piran / Pirano, Slovenia at the end of June, 2008.

Important dates:

22-25 June, 2008 Symposium.

26-29 June, 2008 Post-Symposium Excursion.

Further information will be given in the 1st circular in Spring 2007.

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From Agostino Letardi

Some brief notices from Italy and Mediterranean countries: 1) In the past spring/summer some Italian researches (Roberto Pantaleoni, Marcello Verdinelli, Antonio Sassu, Paolo Pantini, and I) and other colleagues made some neuropterological researches in Tunisia, Calabria (southern Italy) and Friuli (north eastern Italy), searching mainly for Neurothidae. In particular, we (Fig. 1) have found in Tunisia a huge number of Coniopterygidae, and a great number of species of Raphidioptera in Calabria. Papers concerning these expeditions are in preparations or in press. These expeditions are some of the positive consequences of the last Neuropterological Symposium in Ferrara: in

particular, we have had opportunities to meet (with great pleasure) several times Profs. Ulrike and Horst Aspöck in Italy (Fig. 2, in Rome).



Figure 1.



Figure 2.

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From Michel Canard

Johanna Villenave presented her thesis (Ph. D.) on the 26th of February, 2006, at the University of Angers (France). The title of the memoir is "Étude de la bio-écologie des Névroptères dans une perspective de lutte biologique par conservation" which may be translated approximately as "Study on the bioecology of Neuroptera with the aim of biocontrol by conservation" (227 pp. + annexes). Pr. Jacques Brodeur (Université Laval, Québec, Canada) and Pr. Marc Jarry (Université de Pau et des Pays de l'Adour, France) were reporters in the committee.

New book: Clé de détermination des Chrysopidae de Belgique. By Gilles San Martin <gilles.sanmartin@gmail.com>. 2004, 42 pp., 66 figs. Published by Jeunes et Nature <www.jeunesetnature.be>, BP 91, B-1300 WARE, Belgium.

The title of the book is misleading, because it is too reduced with respect to the actual content: in addition to the key, it contains more extended information relative to general characters of Neuropterida, of Neuroptera, and an introduction to families of Planipennia, biology of green lacewings, their ecology and distribution, comments on some questionable species, and a bibliography which includes 44 references.

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From Catherine A. Tauber

Greetings All: I am attaching two RLU's. I hope they are of interest to the community. Best regards.

http://www.eje.cz/pdfarticles/1116/eje_103_2_327_Tauber.pdf

http://www.eje.cz/pdfarticles/1093/eje_103_1_221_Tauber.pdf

Recent Literature on the Neuropterida (2005-2006)
Organized by Daniel Reynoso-Velasco & A. Contreras-Ramos

- Aspöck, U., Letardi, A. & Aspöck, H. 2006. *Nemoptera rachelii* n. sp. - eine neue Spezies der Familie Nemopteridae aus dem Iran (Neuropterida, Neuroptera). *Entomologische Nachrichten und Berichte* 50(1/2): 29-34.
- Barrows, E. M., McIntyre, A. M. & Flint, O. S., Jr. 2005. Alderfly (Neuroptera: Sialidae) flight periods, sex ratios, and habitat use in a Virginia freshwater tidal marsh, low forest, and their ecotones. *Proceedings of the Entomological Society of Washington* 107: 693-699.
- Canard, M. 2005. Seasonal adaptations of green lacewings (Neuroptera: Chrysopidae). *European Journal of Entomology* 102: 317-324.
- Contreras-Ramos, A., Fiorenti, G. L. & Urakami, Y. 2005. A new species of alderfly (Megaloptera: Sialidae) from Rio Grande do Sul, Brazil. *Amazoniana* 18: 267-272.
- Contreras-Ramos, A. 2006. A new species of *Chloronia* Banks (Megaloptera: Corydalidae) from Bolivia and Peru. *Proceedings of the Entomological Society of Washington* 108: 808-813.
- Contreras-Ramos, A. 2006. *Protosialis ranchograndis*, a new species of alderfly from Venezuela, with a redescription of *P. brasiliensis* Navás (Megaloptera: Sialidae). *Proceedings of the Entomological Society of Washington* 108: 977-984.
- Deutsch, B., Paulian, M., Thierry, D. & Canard, M. 2005. Quantifying biodiversity in ecosystems with green lacewing assemblages. *Agronomy for Sustainable Development* 25: 337-343.
- Devetak, D. 2005. Effects of larval antlions *Euroleon nostras* (Neuroptera, Myrmeleontidae) and their pits on the escape-time of ants. *Physiological Entomology* 30: 82-86.
- Devetak, D., Spornjak, A. & Janzekovic, F. 2005. Substrate particle size affects pit building decision and pit size in the antlion larvae *Euroleon nostras* (Neuroptera: Myrmeleontidae). *Physiological Entomology* 30: 158-163.
- Duelli, P., Moretti, M., Tonolla, D. & Barbalat, S. 2006. Scented traps yield two large lacewing species (Neuroptera, Chrysopidae) new to Switzerland. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* 79: 25-28.
- Gepp, J. & Klausnitzer, B. 2005. Therevidenlarven (Diptera: Therevidae) als Prädatoren des Ameisenlöwen *Euroleon nostras* (Neuroptera, Myrmeleontidae). *Entomologische Nachrichten und Berichte* 49: 25-27.
- Godoy, M. S., Carvalho, G. A., Moraes, J. C., Cosme, L. V., Goussain, M. M., Carvalho, C. F. & Morais, A. A. 2004. Seletividade de seis inseticidas utilizados em citros a pupas e adultos de *Chrysoperla externa* (Hagen) (Neuroptera: Chrysopidae). *Neotropical Entomology* 33: 359-364.
- Liu, X.Y. & Yang, D. 2005. Megaloptera: Corydalidae, pp. 192-193. In: Yang, M. F. & Jin, D. C. (eds.). *Insect from Dashahe Nature Reserve of Guizhou*. Guizhou Peoples Publishing House, Guiyang. 607 pp. (in Chinese).
- Liu, X. Y. & Yang, D. 2005. Notes on the genus *Neochauliodes* from Guangxi, China (Megaloptera: Corydalidae). *Zootaxa* 1045: 1-24.

- Liu, X. Y. & Yang, D. 2005. Notes on the genus *Neochauliodes* Weele, 1909 (Megaloptera: Corydalidae) from Henan, China. *Entomological Science* 8: 293-300.
- Liu, X. Y. & Yang, D. 2005. Revision of the *Protohermes changningensis* species group from China (Megaloptera: Corydalidae: Corydalinae). *Aquatic Insects* 27(3): 167-178.
- Liu, X. Y., Yang, D., Ge, S. Q. & Yang, X. K. 2005. Phylogenetic review of the Chinese species of *Acanthacorydalis* (Megaloptera, Corydalidae). *Zoologica Scripta* 34: 373-387.
- Liu, X. Y. & Yang, D. 2006. Revision of the genus *Sialis* from Oriental China (Megaloptera: Sialidae). *Zootaxa* 1108: 23-35.
- Liu, X. Y. & Yang, D. 2006. Revision of the species of *Neochauliodes* Weele, 1909 from Yunnan (Megaloptera: Corydalidae: Chauliodinae). *Annales Zoologici* 56(1): 187-195.
- Liu, X. Y. & Yang, D. 2006. Revision of the *Protohermes* species from Tibet, China (Megaloptera: Corydalidae). *Zootaxa* 1199: 49-60.
- Liu, X.Y. & Yang, D. 2006. Revision of the fishfly genus *Ctenochauliodes* van der Weele (Megaloptera, Corydalidae). *Zoologica Scripta* 35: 473-490.
- Liu, X. Y. & Yang, D. 2006. Systematics of the *Protohermes davidi* species-group (Megaloptera: Corydalidae), with notes on its phylogeny and biogeography. *Invertebrate Systematics* 20: 477-488.
- Liu, X. Y., Yang, D. & Hayashi, F. 2006. Discovery of *Indosialis* from China, with description of one new species (Megaloptera: Sialidae). *Zootaxa* 1300: 31-35.
- Liu, X. Y. & Yang, D. The genus *Sialis* Latreille, 1802 (Megaloptera: Sialidae) in Palearctic China, with description of a new species. *Entomologica Fennica* (in press).
- Liu, X. Y. & Yang, D. Phylogeny of the subfamily Chauliodinae (Megaloptera: Corydalidae), with description of a new genus from the Oriental Realm. *Systematic Entomology* (in press).
- Liu, X. Y., Hayashi, F. & Yang, D. Systematics of the *Protohermes xanthodes* species-group in eastern Asia (Megaloptera: Corydalidae) (in press).
- Liu, X.Y. & Yang, D. The *Protohermes differentialis* group (Megaloptera: Corydalidae: Corydalinae) from China, with description of one new species (in press).
- Letardi, A. 2005. Insecta Neuroptera, Megaloptera e Raphidioptera. In Ruffo, S. & Stoch, F. (eds.). Checklist e distribuzione della fauna italiana. *Memorie del Museo Civico di Storia Naturale di Verona, Sezione Scienze della Vita* 16: 235-236.
- Locklin, J. L., Arsuffi, T. L. & Bowles, D. E. 2006. Life history of *Sialis* (Megaloptera: Sialidae) in a lentic and lotic ecosystem in central Texas. *American Midland Naturalist* 155: 50-62.
- Mantoanelli, E., Albuquerque, G. S., Tauber, C. A. & Tauber, M. J. 2006. *Leucochrysa* (*Leucochrysa*) *varia* (Neuroptera: Chrysopidae): Larval descriptions, developmental rates and adult color variation. *Annals of the Entomological Society of America* 99: 7-18.
- Mochizuki, A. & Mitsunaga, T. 2005. Non-target impact assessment of the introduced green lacewing, *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae) on the indigenous sibling species, *C.*

- nipponensis* (Okamoto) through interspecific predation. *Applied Entomology and Zoology* 39: 217-219.
- Montserrat, V. J. 2005. Catálogo de los neurópteros de Baleares con nuevos datos sobre su fauna (Insecta, Neuroptera). *Boll. Soc. Hist. Nat. Balears* 48: 71-85.
- Montserrat, V. J. 2005. New data on the dusty wings from Coquimbo, Patagonia and Tierra del Fuego (Neuroptera, Coniopterygidae). *Entomofauna* 25: 421-433.
- Montserrat, V. J. 2005. Nuevos datos sobre algunas pequeñas familias de neurópteros (Insecta: Neuroptera: Nevrothidae, Osmylidae, Sisyridae, Dilaridae). *Heteropterus: Revista de Entomología* 5: 1-26.
- Montserrat, V. J. & de Freitas, S. 2005. Contribución al conocimiento de los crisópidos de Coquimbo, Patagonia y Tierra del Fuego (Argentina, Chile) (Insecta, Neuroptera, Chrysopidae). *Graellsia* 61: 163-179.
- Naka, H., Mitsunaga, T. & Mochizuki, A. 2005. Laboratory hybridization between the introduced and the indigenous green lacewings (Neuroptera: Chrysopidae: Chrysoperla) in Japan. *Environmental Entomology* 34: 727-731.
- Penny, N. D. 2005. The California Academy of Sciences Gulf of Guinea Expedition (2001). IV. The Neuroptera of Sao Tomé and Príncipe Islands. *Proceedings of the California Academy of Sciences* 56(4): 285-293.
- Penny, N. D. 2006. Two new species of *Meleoma* (Neuroptera: Chrysopidae) from western North America, with a revised key to species. *Annals of the Entomological Society of America* 99: 58-63.
- Sziráki, G. 2005. Species grouping of several genera and subgenera of Coniopterygidae (Neuroptera). *Rovartani Közlemények* 66: 101-136.
- Tauber, C. A. 2006. A new species of *Berchmansus* (Neuroptera: Chrysopidae) and nomenclatural notes on *B. elegans* (Guérin Méneville). *Proceedings of the Entomological Society of Washington* 108: 830-841.
- Tauber, C. A., Tauber, M. J. & Albuquerque, G. S. 2006. *Berchmansus elegans* (Neuroptera: Chrysopidae): Larval and adult characteristics and new tribal affiliation. *European Journal of Entomology* 103: 221-231.
- Thierry, D., Deutsch, B., Paulian, M., Villenave, J. & Canard, M. 2005. Typifying ecosystems by using green lacewing assemblages. *Agronomy for Sustainable Development* 25: 473-479.
- Tóth, M., Bozsis, A., Szentkirályi, F., Letardi, A., Tabilio, M. R., Verdinelli, M., Zandigiacomo, P., Jekisa, J. & Szarukan, I. 2006. Phenylacetaldehyde: a chemical attractant for common green lacewings (*Chrysoperla carnea* s.l., Neuroptera: Chrysopidae). *European Journal of Entomology* 103: 267-271.
- Ventura, M. A. & Pita, M. T. 2005. First record of *Chrysoperla lucasina* (Lacroix, 1912) to Porto Santo Island, Madeira Archipelago (Neuroptera: Chrysopidae). *Vieraea* 33: 549.

- Ventura, M. A., Thierry, D. & Coderre, D. 2005. Origins and composition of the "*Chrysoperla carnea* complex" (Neuroptera: Chrysopidae) in the Azores and Madeira islands, pp. 135-141. In: Leyens, T. (ed.). *Proceedings of the IV Symposium on Fauna and Flora of the Atlantic Islands*.
- Villenave, J., Thierry, D., Al Mamun, A., Lodé, T. & Rat-Morris, E. 2005. The pollens consumed by *Chrysoperla lucasina* and *Ch. affinis* (Neuroptera: Chrysopidae) in cabbage crop environment in western France. *European Journal of Entomology* 102: 547-562.
- Winterton, S. L. & de Freitas, S. 2006. Molecular phylogeny of the green lacewings (Neuroptera: Chrysopidae). *Australian Journal of Entomology* 45: 235-243.
- Zimmermann, D. 2005. Alle gleich und doch verschieden ... Der *Chrysoperla carnea*-Komplex (Neuroptera: Neuroptera: Chrysopidae) -- Zusammenfassung der Ergebnisse von 20 Jahren Forschung. *Linzer Biologische Beiträge* 37: 145-152.
- Zimmermann, D. 2005. Rasterelektronenmikroskopische Untersuchungen an Imagines zweier Spezies der Familie Coniopterygidae (Neuroptera: Insecta). Master's Thesis. University of Vienna, Vienna, Austria. 77 pp.
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