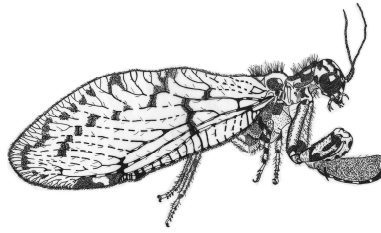


Lacewing News



NEWSLETTER OF THE INTERNATIONAL ASSOCIATION OF NEUROPTEROLOGY

No. 36

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Presentation

Greetings once again to everyone. Here we go with our first issue of 2023! As always, thanks to all enthusiast neuropterologists who kindly sent contributions, notes, and bibliographic references.

Please, send all communications concerning Lacewing News to agostino.letardi@enea.it or to calebcalifre@gmail.com. Questions about the International Association of Neuropterology may be addressed to our current president, Xingyue Liu (xingyue_liu@yahoo.com).



From right to left, the IAN president Xingyue Liu and the LN Co-editor Agostino Letardi and Caleb C. Martins (Laufen [DE] 2018).

Agostino Letardi & Caleb Califre Martins

Co-editor of Lacewing News

Remember our beloved André Prost



André Prost (1944-2023)

From Alexi Popov

National Museum of Natural History, Sofia
(Photos provided by Alex Popov, Odile Frank, and André's children)

In Memoriam

Dr André Prost, Secretary of the International Association of Neuropterology, passed away on 3 February 2023 at the age of 78. In him, the neuropterist community has lost an eminent taxonomist of West African Myrmeleontoidea, a regular participant in our international symposia and a kind, erudite, intelligent, and pleasant person.



André Prost having climbed a tree to collect.

André Prost was born as André Marie Émile Prost in Maîche in the Jura Mountains, France, on 7 June 1944. He attended the University of Lyon, specializing in parasitology, and received his doctorate in medicine in 1969, and then completed tropical medicine and epidemiology at the École du Pharo in Marseille and the Institut Pasteur in Paris. His entire career as a

doctor took place outside of France. For 35 years, he worked as an employee of the World Health Organization, the World Bank and the Ministry of Health of Burkina Faso and resided for many years in Burkina Faso and other countries in West Africa. This gave him the opportunity to collect insects in which he had long been interested, and to study the antlions and owlflies of the countries in which he worked and which he visited. Gradually, his research expanded to include material from the collections of major museums possessing rich collections of African insects of these groups. The examination of these specimens enabled André Prost to solve a number of taxonomic cases. A well-known problem in the research of Neuroptera was the insufficient description of a large number of species in the first half of the 20th century by the Spanish entomologist Longinos Navás. Many of these species were in fact synonyms, many types not having been preserved. Thus, for decades there was complete uncertainty about the fauna of Neuroptera in most African countries. The solving of most such problems is due to the research of Dr André Prost, as well as the parallel research of Dr Bruno Michel, another distinguished taxonomist on African Myrmeleontidae. Thus, gradually, step by step, genus by genus, species were redescribed according to current requirements and new synonyms were established.



São Tomé and Príncipe, 2019, André Prost collecting

The work of Dr André Prost in the research of Neuroptera materialized in 19 publications. Milestones in his investigations were the revisions of the subfamilies Palparinae in West Africa (1995) and Acanthaclisinae in West and Central Africa (1998), and of the genera *Jaya* (1996), *Megistoleon* (2010), *Nosa* (2019) and of the African species of *Ascalaphus* (2013) as well as the review of the tribe Palparini in the northern half of Africa with distribution maps of 20 species (2010). André Prost described seven new species of the family Myrmeleontidae (4 antlions and 3 owlflies) from Mauritania, Mali, Burkina Faso, Benin, Niger, Nigeria, Chad, Central African Republic and Angola: *Ascalaphus rougoni* Prost, 2013; *Ascalaphus pallidulus* Prost, 2013; *Imparomitus tjederi* Prost, 2022; *Parapalpares dalmeidarum* Prost, 2018; *Centroclisis terribilis* Prost, 1998; *Bankisus beroni* Prost & Popov, 2021; and *Creoleon nigrithorax* Prost, 2021. Other taxonomic acts proposed in his publications on Myrmeleontidae include 20 new synonyms, 12 new combinations, revised status of 6 species, designated lectotypes of 7 species and neotypes of 2 species, recognized as nomina dubia 2 species and as nomina nuda 2 species, and several species redescribed. In the field of faunistics, A. Prost reported many species of Myrmeleontidae as new to the fauna of various African countries. He also compiled several original identification keys. In the last years of his life, Dr André Prost turned his attention to identification of significant collections rich in species from Nigeria (2021), Togo and Benin (2022). This required time consuming mounting of the insects to take their place in collections of dry pinned specimens. Dr Prost made his last collecting trip to São Tomé and Príncipe in 2019, when he was 75 years old. He worked actively until the end of his life. His studies on Neuroptera of Togo and Benin and of São Tomé and Príncipe were published less than a year before his death.

The total number of publications of Dr André Prost is 178, including 3 books. The majority of them are in the field of medicine and mainly on tropical diseases. There are 27 publications devoted to arthropods. Eight of these are faunistic contributions on insect groups other than Neuroptera and on scorpions of Africa and France.



São Tomé and Príncipe, 2019, André Prost after a successful hunt

Dr André Prost's collection is very valuable, enriched over many years, containing many Neuroptera, butterflies and moths mostly from Africa. Odile Frank describes him insect collecting as follows: "He was walking off to scout for insects in the bushes. He would go back afterwards with his net and collecting pack if he had seen something. He would hunt and collect whenever and wherever we stopped everywhere we went, and his preference was always to travel by car, no matter the distance, so that he could stop along the journey and collect." Based on the rich material in the collection, André intended to compile a comprehensive study of the Myrmeleontidae (antlions) of Burkina Faso, and had started work on this overview. The heirs of André Prost, choosing a museum to store the collection, should first of all consider the good conditions for preserving the collection. My collaboration with André Prost began ten years ago. The occasion was the identification of a collection of Myrmeleontidae from Nigeria in the National Museum of Natural History in Sofia. I had

never spent so much time in the preparation of a publication before. A. Prost did the most important part of the work – the mounting and identification of the material. I prepared the description and drawings of the genitalia of a new species, the photos in the paper, and over the years supplemented the text with more and more faunistic data from the literature on the study area and neighboring areas, as well as with the refinement of various details. Thus, the joint preparation of our paper turned us from respected colleagues into good friends. The story of working on this collection from Nigeria was so fascinatingly described by Odile Frank in *Lacewing News*, 30, 2020.



Romania, Fântânele, 2 July 2018, André Prost (to the right) and Alexi Popov

I remember Dr André Prost as a subtle, considerate, kind, courteous colleague, an intelligent man of great worth and an outstanding mind. Communicating with him was interesting and meaningful, whether it was about geography and history, about art or about nature conservation. He liked to travel and had visited 95 countries and 8 territories in connection with his work as a doctor, to collect insects or to get to know distant lands. The name of André Prost will remain in science with his achievements as a medical doctor and entomologist. His decease is a great loss to the neuropterist community.



Romania, Fântânele, 2 July 2018, from right to left André Prost, Odile Frank and Alexi Popov

From family of André Prost



Obituary of André Prost (1944-2023) *in memoriam*

Nouvelles Frontiers

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It is certainly a proud moment for me to introduce myself to the Neuropterologists of the world. I am a Ph.D. Scholar from India, working on "Taxonomic studies of antlions

and owlflies (Neuroptera: Myrmeleontidae, Ascalaphidae) of Kerala, India” under the guidance of Dr. Bijoy C. at Shadpada Entomology Research Lab of Christ College (Autonomous), Irinjalakuda, affiliated to University of Calicut, Kerala, India.



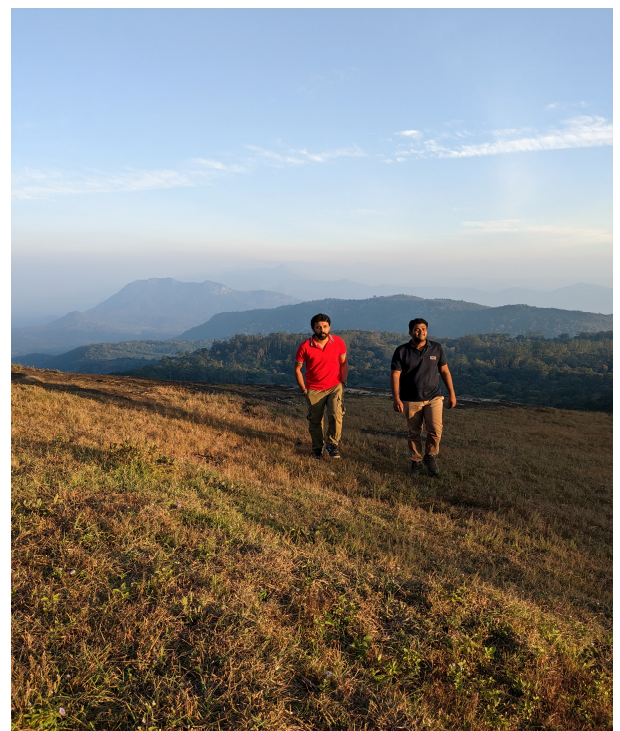
Suryanarayanan collects Neuroptera by using a sweep net.

I started my current research in 2019 in Kerala region of India which includes 40% of Western Ghats areas, one of the hottest hotspots of the world. The significant variations in its terrain and elevation of Kerala whose biodiversity registers as the world's most significant one in the world. My broad interest is in the field of taxonomy of all the families of Neuroptera. The adult Neuroptera were collected during fieldwork from different localities of Kerala. I am also trying to study the museum specimens in different regions of Zoological Survey of India to reveal more information about the Neuroptera fauna of India. After the research tenure (1977-2000) of Dr. S. K. Ghosh, former scientist of Zoological Survey of India, a gap lies on a concentrated taxonomic work in Neuroptera and its families in India. Dr. Bijoy and I are trying to continue the studies left after Dr. Ghosh. Some interesting results obtained have been published. A few articles are in preparation. I

would like to thank Dr. Shaun L Winterton, Dr. Levente Ábrahám, Dr. John D. Oswald, Dr. Adrian Ardila-Camacho, Dr. Louwtjie Snyman, Dr. Muhammad Asghar Hassan and Dr. Caleb Califre Martins for their encouragement, literature support and many helpful discussions.



Suryanarayanan during a field survey in the forest of Kerala.



Dr. Bijoy (left) and Suryanarayanan (right) during a field survey

Agostino Letardi (agostino.letardi@enea.it) signals:

At the end of April 2023, Professor Roberto A. Pantaleoni will retire. Roberto, whose role as the main reference for the knowledge of neuroptera (and not only) in Italy, is unanimously recognized, a direct pupil (and I would even say "a favourite pupil") of Professor Maria Matilde Principi, is only a few years older than me. Despite this, I have always considered him, and continue to do so, as my "personal coach" in this field of study, ever since the last decade of the last century, when I had the pleasure of traveling with him to go to the XVI Italian National Congress of Entomology Martina Franca (BA) with my wrecked car in September 1991.



Corsica near Vivario 9 giugno 2004; from the left: Ulrike, Laura, Horst e Roberto

Since then, almost all my main neuropterological study activities (at congresses, in Corsica, Sardinia, Zannone, Tunisia, just to name a few) have been done in his company.

In many cases, the end of the working activity coincides with the abandonment of one's fields of expertise to devote oneself to other passions. Fortunately Roberto, who - in the slightly sclerotic Italian academic world - has always been a "heterodox" figure, has a passion for these insects that goes far beyond his role as university



Slovenia 26 giugno 2008; from the left: John, Horst e Roberto



Modena 2009, the italian neuropterologist attending to the entomological meeting; from the left: Carlo, Agostino, Valentina, Davide e Roberto

professor and I am sure that the end of this "work framework" (that has always gone a little tight for him) he will release his energies and knowledge even more to give us even more the results of his profound knowledge of the ecology, ethology, morphology of our beloved lacewings.

Happy retirement Roberto!

Proceeding of XIV of International Symposium on Neuropterology

Dear friends, between May 23rd and 27th of 2022 the XIV International Symposium on Neuropterology (ISN) was held online with the Universidade Federal de Lavras, Minas Gerais, Brazil as responsible for the event. After almost a year, we are happy to inform

you that the Proceedings of XIV ISN are ready; the Proceedings were published as a special issue of Revista Brasileira de Entomologia (RBE) (Volume 66: spe). A total of 18 articles were published, including a Preface and 17 studies on a wide range of topics on Neuropterida: biodiversity of extant and extinct species, applied entomology, ecology, morphology, morphological and genomic systematics.

The articles can be downloaded for free through the link:

<https://www.scielo.br/j/rbent/i/2022.v66nspe/>

As the articles were published separately in this online volume, we made a document compiling all of them with the aim of making it easier for everyone to access. You can download this document through the link: https://www.researchgate.net/publication/370210867_Proceedings_of_XIV_International_Symposium_on_Neuropterology

We would like to take the opportunity to thank all participants of the event, as well as the reviewers, editors of RBE, and the 39 authors who published their studies in this Proceedings.

List of authors who published studies on Proceedings of XIV ISN:

1. Acevedo-Ramos, Fernando
2. Alencar, Carlos Eduardo R. Duarte
3. Ali, Muhammad
4. Alves, Izaíra Carla Ferreira
5. Assmar, Alice Carvalho
6. Bezerra, Carlos Eduardo Souza
7. Cancino-López, Rodolfo J.
8. Carvajal, Mariom A.
9. Carvalho, Marília M. Pinheiro
10. Contreras-Ramos, Atilano
11. Faúndez, Eduardo I.
12. Fernandes, Daniell R. Rodrigues
13. Gomes, Francisco Jackson da Silva
14. Hassan, Muhammad Asghar
15. Hernandez, Marvin Mateo Pec
16. Koczor, Sándor
17. Lara, Rogéria Inês Rosa
18. Letardi, Agostino
19. Liu, Xingyue
20. Machado, Renato Jose Pires
21. Marquez-López, Yesenia
22. Martins, Caleb Califre
23. Monserrat, Víctor José
24. Moreira, Maísa Melo
25. Oswald, John David
26. Paula, Flávia Fagundes de
27. Pec, Marvin
28. Perioto, Nelson Wanderley
29. Prost, André
30. Ramos, Fernando Acevedo
31. Reis, Lítissa Aparecida Corrêa
32. Ribeiro, Guilherme Cunha
33. Schuster, Phillip Alves
34. Shen, Rongrong
35. Souza, Brígida
36. Souza, Maria Eduarda Ferreira
37. Szentkirályi, Ferenc
38. Tóth, Miklós
39. Vieira, Daniel Amorim

Best wishes!

Caleb Califre Martins and Renato José Pires Machado

Recent Literature on the Neuropterida (2022-2023)

Organized by Agostino Letardi

- Abdolahadi, F.; Mirmoayedi, A.N.; Zarei L.; Jamali, S. 2023. Genetic diversity study of *Chrysoperla carnea* (Neuroptera: Chrysopidae) populations via molecular markers. *Genetika* 54(3): 1295 - 1312. <https://doi.org/10.2298/GENSR2203295A>
- Alencar, C. E. R. D.; Silva Gomez, da F. J.; Alves, I. C. F.; Pires Machado, R. J. 2023. New records, extended and updated geographic distribution of the South American native antlion *Dimares elegans* (Perty, 1833) (Neuroptera, Myrmeleontidae). *Revista Brasileira de Entomologia* 66(spe):e20220085, 9pp. <https://doi.org/10.1590/1806-9665-RBENT-2022-0085>
- Ali, M.Y.; Naseem, T.; Holopainen, J.K.; Liu, T.; Zhang, J.; Zhang, F. 2023. Tritrophic interactions among arthropod natural enemies, herbivores and plants considering volatile blends at different scale levels. *Cells* 12(251): 22pp. <https://doi.org/10.3390/cells12020251>
- Ardila Camacho, A.; Winterton, S. L.; Contreras Ramos, A. 2023. The genus *Climaciella* Enderlein, 1910 (Neuroptera, Mantispidae) in French Guiana. *Zookeys* 1153 :37-64. <https://doi.org/10.3897/zookeys.1153.95960>
- Cancino-López, R.J.; Acevedo-Ramos, F.; Contreras-Ramos, A. 2023. First record of the genus *Lainius* Navás, 1913 (Neuroptera: Chrysopidae) in Mexico, with notes on the distribution of Apochrysinæ. *Revista Brasileira de Entomologia* 66(spe):e20220079, 7pp. <https://doi.org/10.1590/1806-9665-RBENT-2022-0079>
- Carvalho, M. M. P.; Moreira, M.M.; Vieira, D. A.; Reis, L. A. C.; Souza, M. E. F.; Fernandez, M. M. P.; Souza, B. 2023. Trophic relationship between *Chrysoperla externa* (Neuroptera: Chrysopidae) and *Planococcus citri* (Hemiptera: Pseudococcidae) associated with rose bushes. *Revista Brasileira de Entomologia* 66(spe):e20220064, 6pp. <https://doi.org/10.1590/1806-9665-RBENT-2022-0064>
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- Cassar, T.; Lapeva-Gjonova, A.; Mifsud, D. 2023. The intranidal myrmecophiles of the Maltese Islands with notes on *Messor* nests as repositories of biodiversity. *Insects* 14(45): 35pp. <https://doi.org/10.3390/insects14010045>
- Fagundes de Paula, F.; Souza, B.; Souza Bezerra, C. E. 2023. Compatibility between the predators *Cryptolaemus montrouzieri* (Coleoptera: Coccinellidae) and *Chrysoperla externa* (Neuroptera: Chrysopidae) in the control of *Planococcus citri* (Hemiptera: Pseudococcidae) associated with rose crop. *Revista Brasileira de Entomologia* 66(spe):e20220081, 8pp. <https://doi.org/10.1590/1806-9665-RBENT-2022-0081>
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- Lara, R. I. R.; Perioto, N. W.; Rodrigues Fernandes, D. R. 2023. Diversity and temporal variation of brown lacewings (Neuroptera, Hemerobiidae) from Atlantic rainforest areas in southeastern Brazil. *Revista Brasileira de Entomologia* 66(spe):e20220076, 11pp. <https://doi.org/10.1590/1806-9665-RBENT-2022-0076>
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Picture of the semester



Enonemoptera alcoholica

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