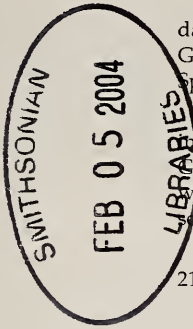


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**Proceedings of the FORUM HERBULOT 2003.  
Geometridae of the Indo-Pacific region and Australia:  
Inventories, evolution, colonization, Gondwana distributions  
(Zoologische Staatssammlung München, 13.-14.3.2003)**

**Axel Hausmann (ed.)**



Hausmann, A. (ed.) (2003): Proceedings of the Forum Herbulot 2003. Geometridae of the Indo-Pacific region and Australia: Inventories, evolution, colonization, Gondwana distributions (Zoologische Staatssammlung München, 13.-14.3.2003. – Spixiana 26/3: 193-208

A short report on the results of the Forum Herbulot 2003 is presented emphasizing the great impact that this meeting had for coordinated, modern research in geometridology and for creating a worldwide, IT-based network of scientists working on Geometridae. The abstracts of fourteen lectures from the seminary session of the Forum Herbulot are added.

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**Short Report and Results**

**Axel Hausmann, Jeremy D. Holloway, Martin Krüger, Peter McQuillan & Manfred Sommerer**

Hausmann, A., Holloway, J. D., Krüger, M., McQuillan, P. & M. Sommerer (2003): Short report and results. In Hausmann (ed.): Proceedings of the Forum Herbulot 2003; Geometridae of the Indo-Pacific region and Australia: Inventories, evolution, colonization, Gondwana distributions (Zoologische Staatssammlung München, 13.-14.3.2003. – Spixiana 26/3: 193-195

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1. The chairman outlined once more the aims of the FORUM HERBULOT (see [www.herbulot.de](http://www.herbulot.de)). The participants welcomed the research initiative and stressed the need for, and advantages of, the opportunities offered for close scientific cooperation among geometrid experts. Access to the rich Coll. Herbulot with its manifold historical assets was greatly appreciated. Following a brief address from Claude

Herbulot (*in absentia* presented by Philippe Darge) the participants expressed their respect for the achievements of the founder of the collection and patron of the Forum. The use of internet-based tools with a view to linking collection data with existing or planned databases in order to improve the availability of relevant data was discussed (Henry Barlow, A. Hausmann).



Participants, guests and meeting assistants of the FORUM HERBULOT 2003: From left to right: Anthony C. Galsworthy (London, U.K.), Stefan Schmidt (ZSM, Munich, Germany), Hans Löbel (Sondershausen, Germany), George Balogh (behind; Portage, Michigan, U.S.A.), Olga Schmidt (Munich, Germany), Peter McQuillan (University of Hobarth, Tasmania), Alexander Schintlmeister (Dresden, Germany), Sven Erlacher (behind; ZSM, Munich, Germany), Marie-Thérèse Ebode (Clenay, France), Cathy Young (University of Hobarth, Tasmania), Vladimir Mironov (in front; ZISP, St. Petersburg, Russia), Andreas H. Segerer (ZSM, Munich, Germany), Jeremy D. Holloway (NHM, London, U.K.), Jaan Viidalepp (ZBI, Tartu, Estland), Philippe Darge (Clenay, France), Henry Barlow (Kuala Lumpur, Malaysia), A. Hausmann (ZSM, Munich, Germany; chairman), Evgeny Beljaev (behind; partially hidden; RAS, Vladivostok, Russia), Bernd Müller (Berlin, Germany), Martin Baehr (ZSM, Munich, Germany), Manfred Sommerer (Munich, Germany), Martin Krüger (TMP, Pretoria, South Africa), Janusz Wojtusiak (behind, partially hidden; Jagiellonian University, Kraków, Poland), Robert Trusch (SMNK, Karlsruhe, Germany), G. Haszprunar (director of the ZSM, Munich, Germany). – Not visible on the photo: Xue Dayong and Han Hongxiang, (both Chinese Acad. Sci., Beijing, China), Ulf Buchsbaum and Michael Miller (both ZSM, Munich, Germany), Stefano Scalerio (Univ. Cosenza, Italy), Alberto Zilli (Mus. civ., Rome, Italy).

2. The seminar session highlighted promising possibilities for systematic research. The first four talks (J. D. Holloway, M. Krüger, C. Young, P. McQuillan) presented and summarized the actual stage of research concerning the phylogeny of Geometridae on subfamily and tribe level as resulting from different data sets, such as larval morphology (M. Krüger, C. Young), adult morphology (J. D. Holloway, M. Krüger), host-plant relationships (J. D. Holloway, P. McQuillan), zoogeographical patterns (M. Krüger, J. D. Holloway) and molecular analysis (C. Young, P. McQuillan). The study of skeletal-muscular anatomy of genitalia as additional information was encouraged (E. Beljaev).

The southern hemisphere Archiearinae had been revised and separated from Holarctic groups (P. McQuillan). Although some morphological characters

and host-plant relationships suggest that the subfamilies Archiearinae and Oenochrominae (s.str.), and the tribes Diptychini and Nacophorini (Ennominae) are phylogenetically 'old' groups (J. D. Holloway, M. Krüger), Larentiinae and Sterrhinae appear as the most basal groups using molecular methods (sequence analysis of four nuclear and mitochondrial genes; Abraham et al. 2001, C. Young, P. McQuillan, A. Hausmann, S. Erlacher). Refinement of molecular methods as valuable tools for evolutionary and systematic studies had been postulated by the Forum Herbulot 2001 (Hausmann & Trusch 2001) in order to supplement the morphological and ecological data sets. Now, on the basis of the paper by Abraham et al. (2001), promising results have been obtained by the two 'molecular' groups actually working on Geometridae (C. Young & P. McQuil-

lan, A. Hausmann, S. Erlacher & M. Miller). After discussion of all the findings, closer coordination and cooperation was agreed upon, and working plans were established, in order to focus future common research on a better understanding of the basic phylogeny of Geometridae.

Research on Eupitheciini constituted another theme of the meeting. Extension to research on a global scale (as recommended by Forum Herbulot 2001: Hausmann & Trusch 2001) is needed to fill existing gaps in our knowledge (e.g. Eupitheciini in Africa in relation to Asia and other regions). Cooperation was improved regarding Chinese (T. Galsworthy, V. Mironov, X. Dayong), and initiated for neotropical Eupitheciini (G. Balogh, J. Wojtusiak). New agenda for cooperation dating back to Forum Herbulot 2001 concerning the exploration of neotropical Geometridae were established (G. Balogh, A. Hausmann, J. Wojtusiak).

An interesting zoogeographical analysis of Australian carabids was presented (M. Baehr) and compared with similar findings for Lepidoptera. Gondwana distributions, drift on tectonic plates and colonization were discussed with respect to some taxa

from Africa, Australia, and the Indo-Pacific region (M. Krüger, J. D. Holloway, P. McQuillan). Speciation and variation of several taxonomically 'difficult' groups of Indo-Pacific Geometridae were presented for discussion (X. Dayong, O. Schmidt, M. Sommerer, J. Viidalepp).

3. A proposal to continue the FORUM HERBULOT in Hobart, Tasmania late 2005 or early 2006 (organisation: P. McQuillan) was welcomed.

4. Participants expressed their thanks to the organizers and sponsors of the FORUM HERBULOT 2003.

## References

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## Opening address

Philippe Darge & Claude Herbulot

presented in absentia of Claude Herbulot by Dr. Philippe Darge,  
president of honour of the "Union de l'Entomologie Française (U.E.F.)"

Darge, P. & C. Herbulot (2003): Opening address. In Hausmann (ed.): Proceedings of the Forum Herbulot 2003; Geometridae of the Indo-Pacific region and Australia: Inventories, evolution, colonisation, Gondwana distributions (Zoologische Staatssammlung München, 13.-14.3.2003. – *Spixiana* **26**/3: 195-196

Dr. Philippe Darge, 21, Grande Rue, Clenay, France

Claude Herbulot, 67, rue de la Croix Nivert, F-75015, Paris, France

Chers collègues, chers amis,

C'est avec beaucoup d'émotion que je prends la parole devant vous, avec l'étrange impression d'usurper la place qui revenait à celui qui est la raison même de ce colloque.

Cependant, la longue amitié qui m'unit à Claude Herbulot m'incite fortement à répondre à la demande qu'il m'a faite de vous délivrer, à sa place, le message préparé à votre intention, message de souvenirs et de réflexion sur la nature et la finalité de nos activités.

Claude Herbulot a 12 ans lorsque, en 1920, il fait la connaissance du docteur Niessen, consul du Danemark à Alger. Le diplomate se passionne pour les papillons dont il capture de nombreux exemplaires aux abords de sa magnifique villa fleurie sur les hauts d'Alger. Il offre à Claude un exemplaire de la belle géomètre *Crocallis auberti* Oberthür et c'est alors le véritable point de départ de la magnifique collection qu'abrite désormais ce musée.

Le jeune garçon qu'est Claude Herbulot est fasciné par ce que le docteur Niessen lui fait découvrir, notamment les multiples aspects d'une collection:

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Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Spixiana, Zeitschrift für Zoologie](#)

Jahr/Year: 2003

Band/Volume: [026](#)

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