CHECKLIST OF THE GEOMETRIDAE (LEPIDOPTERA) OF THE FORMER U.S.S.R., by Jaan Viidalepp. 1996. Published by Apollo Books Aps., Kirkeby Sand 19, DK-5771 Stenstrup, Denmark. 111 pages. Soft cover, 25 × 17 cm., ISBN 87-88757-05-6. Price DKK 200.

This small book is a sequentially numbered annotated distributional checklist of the 1486 species of Geometridae recorded from the former U.S.S.R. and updates Jaan Viidalepp's previous list of 1247 species (1976–1979, *A list of Geometridae (Lepidoptera) of the USSR.* 1–IV. Entomol. Obozrenie, 55 (4): 842–852, 56 (3): 564–576, 57 (4): 752–761, 58 (4): 782–798. (in Russian)). This is one of the author's first publications in English.

In a brief forward Viidalepp explains the checklist represents a personal effort to summarize his own fieldwork (1961–1992) and compile information previously published in regional faunas. A list of included geopolitical regions and their corresponding faunistic literature follows. The short reference list includes 39 systematic and faunistic papers published between 1976 and 1996 and 35 of these are in Russian or German. For literature prior to 1976 the reader is referred to the author's previous published list (Viidalepp, *op. cit.*). Following the 83 page checklist, two indices are provided, the first to higher categories, and the second to species group names.

The region covered by *Checklist of the Geometridae of the Former U.S.S.R.* includes the large Russian Federation extending from eastern Europe to the Pacific and north to the Arctic Ocean, the Baltics, Belarus, Ukraine, Moldova, Georgia, Armenia, Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan. To present distributional information for this vast and politically challenged segment of the world Viidalepp utilizes an unconventional combination of political names and physical geographic features. For Asia in particular emphasis is placed on stable geomorphic features such as mountain ranges. Unfortunately the author does not provide a gazetteer or map to familiarize the reader with this geographically complex region. For many species entries extralimital distributional information is also provided with neighboring states listed when distributions extend outside the territory of the former U.S.S.R. For holarctic species, North America is sometimes included in the extralimital distribution but inconsistently so. Many well known holarctic geometrids such as *Epirrhoe alternata* (Müller), *Rheumaptera (Hydria) undulata* (Linnaeus), and *Ectropis crepuscularia* (Denis and Schiffermüller) as well as palearctic introductions to North America including *Thera juniperata* (Linnaeus), *Operophtera brumata* (Linnaeus), *Pasiphila* [*Rhinoprora* in this list; *Chloroclystis* in North American lists] *rectangulata* (Linnaeus), *Aplocera plagiata* (Linnaeus) and *Hemithea aestivaria* (Hübner) are not acknowledged to occur on the North American continent.

The geometrid fauna Viidalepp treats includes the following subfamilies followed by the number of species listed (the corresponding number of North American species recorded north of Mexico is given second for comparison based on the list compiled by D. C. Ferguson (pp. 88–107 *In* R. W. Hodges et al., 1983, *Check List of the Lepidoptera of America North of Mexico*, E. W. Classey, Ltd., London, England, 284 pp.): Archiearine (4/2), Alsophilinae (Oenochrominae *sensu lato*, part) (14/3), Larentiinae (706/467), Sterrhinae (204/96), Geometrinae (66 / 76), Ennominae (488/760), and Orthostixinae (4/0). At least some of the genera included in the last subfamily by Viidalepp and others might be more appropriately placed in the Ennominae but their placement remains unresolved and they cannot be included in a strict concept of Oenochrominae (see Müller, B., 1996, Geometridae pp. 218–249 *In* O. Karsholt & J. Razowski (eds.), *The Lepidoptera of Europe*, Apollo Books, Stenstrup, Denmark, 380 pp.; and Holloway, J. D., 1996, *The Moths of Borneo Part 9: Family Geometridae, Subfamilies Oenochrominae, Desmobathrinae and Geometrinae,* Malayan Nature Journal 49: 147–326, published by Southdene Sdn. Bhd., Kuala Lumpur, Malaysia). The total geometrid fauna catalogued by Viidalepp (1486

sequentially numbered entries; doubtful records also included within the list but not numbered) is comparable to the total number of geometrid species in North America north of Mexico (1404). However in the Eurasian fauna the subfamilies Larentiinae and Sterrhinae are disproportionately represented as exemplified by 253 species of *Eupithecia* Curtis and 69 species of *Idaea* Treitschke in the Viidalepp list (corresponding figures for North America north of Mexico are 157 and 26 respectively). Although Viidalepp's checklist provides distributional information for each species, an overview of faunistic affinities and biogeographic distributional patterns within Eurasia is not provided.

It is unfortunate Viidalepp does not discuss or more completely reference recent systematic literature. Approximately 200 species group and over 20 generic names listed in the *Checklist of the Geometidae of the Former U.S.S.R* were published since 1970 reflecting considerable recent systematic effort especially in Asian countries. Species group and generic synonymies are incomplete and only selectively provided. Many recent new combinations, new synonymies, status changes, and revivals cannot be traced using this checklist alone. In an attempt to be inclusive, a number of unpublished taxa are listed with notations such as "sp. n. (in print)" [=in press?] and "sp. n (in prep.)". Even more tentative is larentiine species number 185: "G. nov. sp. n." listed in the tribe Cidariini. The tribe "Hierochthoniini (trib. n.)" appears on page 61 of the list and includes the geometrine genera *Hierochthonia* Prout and *Hissarica* Viidalepp but without description of the new higher category.

In summary the *Checklist of the Geometidae of the Former U.S.S.R* is a distributional list that also serves as an introduction to the geometrid fauna of a large and diverse region. Lepidopterists unfamiliar with the Eurasian fauna and its biogeography can delve further with the aid of the Zoological Record, a good atlas, and the references provided. English speaking geometrid specialists eagerly await additional faunistic and systematic publications treating the Geometridae found within the former U.S.S.R.

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THE MOTHS OF BORNEO, Part 9, Family Geometridae (incl. Orthostixini), subfamilies Oenochrominae, Desmobathrinae, Geometrinae, and Ennominae addenda, by Jeremy Daniel Holloway. 1996. Malayan Nature Journal 49: 147–326. Published in the Malayan Nature Journal and also produced in paper covers by Southdene Sdn. Bhd., Kuala Lumpur, Malaysia. 427 figures, 12 color plates. Soft cover, sewn binding, 17.9 × 25.3 cm., ISBN: 983-99915-3-1. Available from Southdene Sdn. Bhd., P.O. Box 10139, 50704 Kuala Lumpur, Malaysia; Phone: 603-4022-2643; FAX: 603-4022-2267; e-mail: hsbar@pc.jaring.my; website: www.edi.co.uk/barlow; Price $26.00, £18.00 (including surface mail overseas).

THE MOTHS OF BORNEO, Part 10, Family Geometridae, subfamilies Sterrhinae, Larentiinae, and addenda to other subfamilies, by Jeremy Daniel Holloway. 1997. Malayan Nature Journal 51: 1– 242. Published in the Malayan Nature Journal and also produced in paper covers by Southdene Sdn. Bhd., Kuala Lumpur, Malaysia. 608 figures, 12 color plates. Soft cover, sewn binding, 17.9 × 25.3 cm., ISBN: 983-99915-4-1. Available from Southdene Sdn. Bhd., P.O. Box 10139, 50704 Kuala Lumpur, Malaysia; Phone: 603-4022-2643; FAX: 603-4022-2267; e-mail: hsbar@pc.jaring.my; website: www.edi.co.uk/barlow. Price $30.00, £20.00 (including surface mail overseas).

These volumes are the eighth and ninth of an estimated eighteen part series documenting the macrolepidoptera of the second largest non-continental island, Borneo. For the family Geometridae alone this is an ambitious effort. Together with part 11 of the series (Ennominae, published in 1994), a fauna of 1079 species is treated, equivalent to approximately one-quarter of the estimated geometrid