

Publications on Afrotropical Lepidoptera during 2019

Published online: 30 December 2019

DOI: <https://dx.doi.org/10.4314/met.v30i1.11>

Mark C. Williams

183 van der Merwe Street, Rietondale 0084, Pretoria, South Africa. E-mail: lepidochryso@s@gmail.com

Copyright © Lepidopterists' Society of Africa

Abstract: The articles published since the author's *Publications on Afrotropical Lepidoptera during 2017–2018*, which deal with scientific research into Afrotropical Lepidoptera, are listed alphabetically by author. Articles dealing with control of Lepidoptera as pests are excluded.

Citation: Williams, M.C. 2019. Publications on Afrotropical Lepidoptera during 2019. *Metamorphosis* **30**: 55–57.

PUBLICATIONS

- AGASSIZ, D.J.L. 2019. MONOGRAPH: *The Yponomeutidae of the Afrotropical region (Lepidoptera: Yponomeutoidea)*. *Zootaxa* **4600** (1): 001–069.
- AMIET, J.-L. 2019. *Histoire naturelle des papillons du Cameroun. Les premiers états de Limenitines*. Nyons: J.-L. Amiet; Chataulini: Locus solus. 340 pp.
- BAYLISS, J., BRATTSTRÖM, BAMPTON, I. (†) & COLLINS, S. 2019. A new species of *Leptomyrina* Butler, 1898 (Lepidoptera: Lycaenidae) from Mts Mecula, Namuli, Inago, Nallume and Mabu in Northern Mozambique. *Metamorphosis* **30**: 19–24.
- BERNAUD, D., LEQUEUX, J.-P. & ZIRAYE, M. 2019. *Acraeinae of Uganda (Lepidoptera, Nymphalidae)*. Privately published by D. Bernaud. 692 pp. ISBN 9782954821511.
- DE FREINA, J.J. & DE PRINS, W. 2019. Lectotype designation of *Sphinx cerbera* Linnaeus, 1764 with nomenclatural and taxonomic notes on selected African species of *Amata* Fabricius, 1807 (Lepidoptera: Erebidae, Arctiinae, Syntomini). *Entomologische Zeitschrift, Schwanfeld* **129** (4): 211–214.
- EDGE, D.A. & KIRKMAN, S. 2019. Karoo BioGaps project – butterfly survey results and their interpretation. *Metamorphosis* **30**: 58–68.
- FARIA, N.P., PANAGOS, M.D., MYBURGH, W.J. & DEYSEL, R. 2019. Use of GIS and microhabitat predictors for possible site occupancy of the Heidelberg Opal butterfly (*Chrysoritis aureus*) within Gauteng Province, South Africa. *Journal of Animal & Plant Sciences* **29** (3): 894–898.
- FRIC, Z.F., MARESOVA, J., KADLEC, T., TROPEK, R., PYRCZ, T.W. & WIEMERS, M. 2019. World travellers: phylogeny and biogeography of the butterfly genus *Leptotes* (Lepidoptera: Lycaenidae). *Systematic Entomology* **44**: 652–665.
- GAIGHER, R., PRYKE, J.S. & SAMWAYS, M.J. 2019. Divergent fire management leads to multiple beneficial outcomes for butterfly conservation in a production mosaic. *Journal of Applied Ecology* **2019**: 1–11.
- GREHAN, J.R., RALSTON, C.D. & VAN NOORT, S. 2019. Specialized wing scales in the male of the South African moth *Leto venus* (Cramer, 1780) (Lepidoptera: Hepialidae). *Metamorphosis* **30**: 43–45.
- HACKER, H. H., FIEBIG, R., GOATER, B., SALDAITIS, A., SCHREIER, H. & STADIE, D. 2019. Moths of Africa, Volume 1, Biogeography, Boletobiinae (Erebidae). *Esperiana*, 816 pp.
- HOLM, S., JAVOŠ, J., KAASIK, A., ÖUNAP, E., DAVIS, R. B., MOLLEMAN, F., ROININEN, H. & TAMMARU, T. 2019. Size-related life-history traits in geometrid moths: a comparison of a temperate and a tropical community. *Ecological Entomology*. DOI: 10.1111/een.12747.
- HOLM, S., JAVOŠ, J., KAASIK, A., ÖUNAP, E., DAVIS, R. B., MOLLEMAN, F., ROININEN, H. & TAMMARU, T. 2019. No indication of high host-plant specificity in Afrotropical geometrid moths. *Journal of Insect Science*. **19** (3): 1; 1–16. DOI:10.1093/jisesa/iez028.
- JOHN, E. & VANE-WRIGHT, R.I. 2019. *Danaus chrysippus chrysippus* (Linnaeus, 1758) ff. 'alcippus' and 'alcippoides' (Lepidoptera: Nymphalidae, Danaeinae) from Cyprus. *Entomologist's Gazette* **70**: 135–146.
- KARISCH, T. 2019. Notes on the distribution, biology and habitats of *Scopula separata* on St Helena Island (Lepidoptera, Geometridae). In: HAUSMANN, A. & RAJAEI, H. (eds). Proceedings of the tenth Forum Herbulot 2018 (Stuttgart, Germany, 11–16 June 2018). *Spixiana* **42** (2): 319–320.
- KRÜGER, M. 2019. Revision of the genus *Entephriema* Krüger (Lepidoptera: Erebidae: Arctiinae: Lithosiini). *Annals of the Ditsong National Museum of Natural History* **8**: 59–136.
- KRÜGER, M. 2019. Following due process(es): remarks on the occurrence of Lithini in southern Africa (Geometridae, Ennominae). In: HAUSMANN, A. & RAJAEI, H. (eds). Proceedings of the tenth Forum

Received: 28 December 2019

Published: 30 December 2019

Copyright: This work is licensed under the Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License. To view a copy of this license, send a letter to Creative Commons, Second Street, Suite 300, San Francisco, California, 94105, USA, or visit: <http://creativecommons.org/licenses/by-nc-nd/3.0/>

- Herbulot 2018 (Stuttgart, Germany, 11–16 June 2018). *Spixiana* **42** (2): 310–311.
- LÁSZLÓ, G. 2019. Taxonomic and faunistic research program on African Lepidoptera at the African Natural History Research Trust (ANHRT). In: HAUSMANN, A. & RAJAEI, H. (eds). Proceedings of the tenth Forum Herbulot 2018 (Stuttgart, Germany, 11–16 June 2018). *Spixiana* **42** (2): 314.
- LEES, D. C. 2019. A brief overview of Lepidopteran diversity in Madagascar highlighting the massive completion gap. In: HAUSMANN, A. & RAJAEI, H. (eds). Proceedings of the tenth Forum Herbulot 2018 (Stuttgart, Germany, 11–16 June 2018). *Spixiana* **42** (2): 312.
- LI, W., CONG, Q., SHEN, J., ZHANG, J., HALLWACHS, W., JANZEN, D.H. & GRISHIN, N.V. 2019. Genomes of skipper butterflies reveal extensive convergence of wing patterns. www.pnas.org/cgi/doi/10.1073/pnas.1821304116. SI Appendix to "Genomes of skipper butterflies reveal extensive convergence of wing patterns" by Wenlin Li, Qian Cong, Jinhui Shen, Jing Zhang, Winnie Hallwachs, Daniel H. Janzen and Nick V. Grishin.
- LIBERT, M. & COLLINS, S. 2019. *Liptenara* Bethune-Baker, 1915, ou *Pentila* Westwood, 1851? Description de cinq nouvelles espèces (Lepidoptera, Lycaenidae, Poritiinae). *Bulletin de la Société entomologique de France* **124** (1): 61–72.
- LISEKI, S.D. & VANE-WRIGHT, R.I. 2018. Butterflies (Lepidoptera: Papilionoidea) of Mount Kilimanjaro: Nymphalidae subfamily Heliconiinae. *Journal of Natural History* **52** (39–40): 2511–2552.
- MAES, K.V.N. 2019. Description of four new species of Crambidae from the Afrotropical region (Lepidoptera: Pyraloidea: Crambidae). *Metamorphosis* **30**: 46–50.
- MAICHER, V., SÁFIÁN, S., MURKWE, M., DELABYE, S., PRZYBYLOWICZ, POTOCKY, P., KOBE, I.N., JANEČEK, Š., MERTENS, J.E.J., FOKAM, E.B., PYRCZ, T., DOLEŽAL, J., ALTMAN, J., HOŘÁK, FIEDLER, K. & TROPEK, R. 2019. Seasonal shifts of biodiversity patterns and species' elevation ranges of butterflies and moths along a complete rainforest elevational gradient on Mount Cameroon. *Journal of Biogeography* 2019; 00:1–13.
- MARTIN, G., ZILLI, A., GIUSTI, A., ALLAN, L., WING, P., KOKKINI, P., TOLONI, F. & LEES, D. C. 2019. The digitisation of Madagascan type specimens at the Natural History Museum, London, UK with special reference to the Geometridae. In: HAUSMANN, A. & RAJAEI, H. (eds). Proceedings of the tenth Forum Herbulot 2018 (Stuttgart, Germany, 11–16 June 2018). *Spixiana* **42** (2): 298–299.
- MENDES, L.F., BIVAR-DE-SOUSA, A. & WILLIAMS, M.C. 2019. The Butterflies and Skippers (Lepidoptera: Papilionoidea) of Angola: An updated Checklist. In: HUNTLEY, B.J., RUSSO, V., LAGES, F. & FERRAND, N. [Eds.]. *Biodiversity of Angola. Science & Conservation: A Modern Synthesis*. Springer Open. Chapter pagination 167–203.
- MEY, W. & KRÜGER, M. 2019 (eds.): The Lepidoptera fauna of a crater valley in the Great Escarpment of South Africa: The Asante Sana Project. *Esperiana Memoir* **8**: 550 pp.
- MEY, W. 2019. On the identity of *Azygophleps asylas* (Cramer, 1779 [1777]) in southern Africa and descriptions of related species (Lepidoptera, Cossidae). *Annals of the Ditsong National Museum of Natural History* **8**: 43–58.
- MEY, W. 2019. First report of Eriocottidae from Madagascar (Lepidoptera: Tineoidea). *Metamorphosis* **30**: 30–32.
- MURILLO-RAMOS, L., BREHM, G., SIHVONEN, P., HAUSMANN, A., HOLM, S., REZA GHANAVI H., ÖUNAP, E., TRUUVERK, A., STAUDE, H., FRIEDRICH, E., TAMMARU, T. & WAHLBERG, N. 2019. A comprehensive molecular phylogeny of Geometridae (Lepidoptera) with a focus on enigmatic small subfamilies. *PeerJ* **7**:e7386 DOI 10.7717/peerj.7386.
- OCHSE, M. 2019. Exploring the taxonomy of drepanoid-like Geometridae from tropical Africa. In: HAUSMANN, A. & RAJAEI, H. (eds). Proceedings of the tenth Forum Herbulot 2018 (Stuttgart, Germany, 11–16 June 2018). *Spixiana* **42** (2): 311–312.
- O'REILLY, L.J., AGASSIZ, D.J.L., NEIL, T.R. & HOLDERIED, M.W. 2019. Deaf moths employ acoustic Müllerian mimicry against bats using wingbeat-powered tymbals. *Scientific reports*. **9**: 1444. <https://doi.org/10.1038/s41598-018-37812-z>.
- PRINGLE, E.L. & HEATH, A. 2019. A new species of *Thestor* Hübner, [1819] (Lepidoptera: Lycaenidae: Miletinae) from the Clanwilliam region of the Western Cape, South Africa. *Metamorphosis* **30**: 51–54.
- SÁFIÁN, S. & TAKANO, H. 2019. *Hypolimnas aubergeri* Hecq, 1987 (Nymphalidae, Nymphalinae) a little-known West African butterfly. *Metamorphosis* **30**: 14–18.
- SÁFIÁN, S., BELCASTRO, C. & TROPEK, R. 2019. Two new species in the genus *Andronymus* Holland, 1896 (Lepidoptera, Hesperidae). *Zootaxa* **4624** (1): 108–120.
- SÁFIÁN, S., COLLINS, S.C., BELCASTRO, C., BRATTSTROM, O. & TROPEK, R. 2019. Description of previously unknown females of three *Euriphene* Boisduval, 1847 species and the unknown male of *Bebearia inepta* Hecq, 2001 from Western Africa, with notes on their taxonomy, bionomy and distribution (Lepidoptera: Nymphalidae, Limenitidinae). *SHILAP Revta. lepid.* (In press)
- SCIARRETTA, A. & HAUSMANN, A. 2019. Recent advances in the knowledge of the tribe Cassymini in Ethiopia (Geometridae, Ennominae). In: HAUSMANN, A. & RAJAEI, H. (eds). Proceedings of the tenth Forum Herbulot 2018 (Stuttgart, Germany, 11–16 June 2018). *Spixiana* **42** (2): 313–314.

- SIHVONEN, P., BREHM, G., MURILLO-RAMOS, L., STAUDE, H. & WAHLBERG, N. 2019. Shaking the tree: revised phylogeny and classification of the geometrid subfamily Sterrhinae. *In*: HAUSMANN, A. & RAJAEI, H. (eds). Proceedings of the tenth Forum Herbulot 2018 (Stuttgart, Germany, 11–16 June 2018). *Spixiana* **42** (2): 300.
- SIHVONEN, P., MURILLO-RAMOS, L., BREHM, G., STAUDE, H. & WAHLBERG, N. 2019. Molecular phylogeny of Sterrhinae moths (Lepidoptera: Geometridae): towards a global classification. *Systematic Entomology* (In Press: Manuscript ID SYEN-2019-09-103).
- STADIE, D. & FIEBIG, R. 2019. Taxonomic revision of the Afrotropical genus *Trimetopia* Guenée, [1858] (Lepidoptera, Geometridae, Larentiinae). *Mitt. Münch. Ent. Ges.* **109**: 77–108.
- STAUDE, H.S., SIHVONEN, P. & HAUSMANN, A. 2019. A phylogenetic comparison of afrotropical Geometridae and their host-plants. *In*: HAUSMANN, A. & RAJAEI, H. [eds.]. Proceedings of the tenth Forum Herbulot 2018 (Stuttgart, Germany, 11–16 June 2018). *Spixiana* **42** (2): 303–304.
- TENNENT, W.J. & RUSSELL, P.J.C. 2019. Additional notes on butterflies of the Cape Verde Islands. *Metamorphosis* **30**: 3–13.
- TENNENT, W.J. & RUSSELL, P.J.C. 2019. Some phenotypic variation in *Leptotes pirithous* on the Cape Verde Islands, in a wider geographical context (Lepidoptera: Lycaenidae). *Metamorphosis* **30**: 33–42.
- USTJUZHANIN, P.Ya. & KOVTUNOVICH, V.N. 2019. New species of plume moths from South Africa (Lepidoptera: Pterophoridae). *SHILAP Revta. lepid.* **47** (186): 379–381.
- VAN HUIS, A. 2019. Cultural significance of Lepidoptera in sub-Saharan Africa. *Journal of Ethnobiology and Ethnomedicine* **15**: 26. <https://doi.org/10.1186/s13002-019-0306-3>.
- VAN NOORT, S. & MOLL, E. 2019. Observations on feeding behaviour of adults of the Common Buff butterfly, *Baliochila aslanga* (Lycaenidae: Poritiinae) at extra-floral nectaries on *Adenopodia spicata* (Mimosaceae). *Metamorphosis* **30**: 25–29.
- VANE-WRIGHT, R.I. & JOHN, E. 2019. A note on *Papilio aegyptius* Schreber, 1759, and its synonymy with *Danaus chrysippus chrysippus* (Linnaeus, 1758) (Lepidoptera: Nymphalidae, Danainae). *Entomologist's Gazette* **70**: 147–154.
- VANE-WRIGHT, R.I. 2019. In memorium: Campbell Robert Smith (1951–2019). *Nota Lepi.* **42** (1): 121–128.
- WILLIAMS, M.C. 2019. A new locality for *Thestor dicksoni malagas* Dickson & Wykeham, 1994 (Lepidoptera: Lycaenidae: Miletinae) in the Western Cape Province, South Africa. *Metamorphosis* **30**: 1–2.
- YAKOVLEV, R.V., LASZLO, G.M. & WITT, T.J. 2019. First records of Cossidae from Gabon (West Africa) (Lepidoptera: Cossidae). *SHILAP Revta. lepid.* **47** (186): 279–283.
- ZUBRIK, M., PICQ, S., OREMANS, P., NISOLE, A., TREMBLAY, S., CUSSON, M., PANIGAJ, L., MIKITOVA, B. & BOLLINO, M. 2019. Morphological and genetic diversity of two individual forms of *Euphaedra eberti* (Lepidoptera, Nymphalidae). *African Invertebrates* **60** (2): 195–213.

ACKNOWLEDGEMENTS

Thanks are due to Hermann Staude and Steve Collins for providing a number of articles for this list of Afrotropical Lepidoptera publications.