

A new subspecies of *Lethe hyrانيا* (KOLLAR, 1844) from C. Vietnam

(Lepidoptera, Nymphalidae, Satyrinae)

by

SONG-YUN LANG & CUI-ZHEN DING

received 10.III.2023

Abstract: In this paper, a new subspecies, *Lethe hyrانيا annamhyrانيا* **subspec. nov.**, is described from Dak Lak, C. Vietnam.

Lethe hyrانيا (KOLLAR, 1844), formerly known as *L. insana* [sic, *isana*] (KOLLAR, 1844) for a long time, is a common, sexually-dimorphic, satyrine butterfly, found in the Sino-Himalayan region (LANG & LAMAS, 2016). According to LANG & DING (2022), five subspecies have been recognised as following: the nominate subspecies *hyrانيا* KOLLAR from N.W. India, subspec. *dinarbas* HEWITSON, 1863 from Nepal, Bhutan, N. & N.E. India, N. Myanmar, S.W. China (S.E. Tibet, N.W. Yunnan), subspec. *caerulescens* MELL, 1923 from E. China (Zhejiang, Fujian, Jiangxi), S. China (Guangdong, Guangxi, S. Yunnan) and N. Indo-china (Vietnam, Laos, N. Thailand), subspec. *formosana* FRUHSTORFER, 1908 from Taiwan Island, and subspec. *lehyrانيا* LANG & DING, 2022 from Hainan Island. In this paper, a new subspecies from C. Vietnam is described, and here it is illustrated together with its neighbouring subspecies, viz. subspec. *caerulescens* MELL (figs: 1-6, 10-13, 16-17) and subspec. *lehyrانيا* LANG & DING (figs: 7, 14, 18). Judging from the distributional pattern (see map on figure 20), it is indicated that the marginal effect might be a key factor for the subspeciation of *Lethe hyrانيا* (KOLLAR).

Lethe hyrانيا annamhyrانيا **subspec. nov.** (figs: 8-9, 15, 19)

Holotype ♂, VIETNAM, Dak Lak, 3/2019, leg. DANG NGOC VAN, SATY0834, CMNH (Chongqing Museum of Natural History, Beibei). Paratypes: 2 ♂♂, VIETNAM, Dak Lak, 3/2019, leg. DANG NGOC VAN, LSY (SONG-YUN LANG's collection, Beibei); 1 ♀, VIETNAM, Dak Lak, 5/2018, leg. DANG NGOC VAN, LSY.

Diagnosis: The new subspecies can be distinguished from all known subspecies by the combination of the following characters: 1) ♂ forewing apex is more pointed than that of other subspecies. 2) ♂ forewing dorsum is nearly straight as in other subspecies, whereas it is rounded and protruding backwards in subspec. *lehyrانيا* LANG & DING. 3) ♀ ground colour on both sides is deep chocolate brown, whereas it is brown on dorsal side and light brown on ventral side in other subspecies. 4) ♂ ground colour on ventral side is duller than that of other subspecies, excepting subspec. *lehyrانيا* LANG & DING. 5) ♂ discal line on ventral side forewing is nearly straight, whereas it is more or less distorted in other subspecies. 6) ♀ submarginal fascia, discal and subbasal lines on ventral side hindwing are less reddish than those in other subspecies.

Etymology: The subspecific name “*annamhyrانيا*” is composed by “Annam”, an old name for Vietnam, and “*hyrانيا*”, name of the nominate subspecies.

Distribution: C. Vietnam (Dak Lak).

References

- D'ABRERA, B. (1985): Butterflies of the Oriental Region. II. Nymphalidae, Satyridae & Amathusidae. - Hill House Publishers, Melbourne.
- INAYOSHI, Y. (2022): A Check List of Butterflies in Indo-China, chiefly from Thailand, Laos & Vietnam. - <http://yutaka.it-n.jp>
- LANG, S. Y. (2017): The Nymphalidae of China (Lepidoptera, Rhopalocera). Part II. Satyrinae (partim): Tribe Satyrini (partim): Subtribes Eritina, Ragadiina, Lethina, Parargina. - Tshikolovets Publications, Pardubice.
- LANG, S. Y. & G. LAMAS (2016): What is *Lethe hyrانيا* (KOLLAR, 1844) (Lepidoptera, Nymphalidae, Satyrinae)? - *Zootaxa* **4072** (3): 396-400, Auckland.
- LANG, S. Y. & C. Z. DING (2022): A new subspecies of *Lethe hyrانيا* (KOLLAR, 1844) from Hainan, China (Lepidoptera, Nymphalidae, Satyrinae). - *Atalanta* **53** (3/4): 342-346, Markt-leuthen.
- MELL, R. (1923): Noch unbeschriebene Lepidopteren aus Südchina II. - *Deutsche Entomologische Zeitschrift* **1923**: 153-160, Berlin.
- MONASTYRSKII, A. L. (2005): Butterflies of Vietnam, Volume 1, Nymphalidae: Satyrinae. - Galaxy Studio, Hanoi.
- MONASTYRSKII, A. L. & A. L. DEVYATKIN (2016): Butterflies of Vietnam (an illustrated checklist) 2nd edition. - Planorama Media Co., Ltd., Hanoi.
- NAKAMURA, N. & H. WAKAHARA (2012): A revised checklist of the butterflies of the Lao P. D. R. (Insecta: Lepidoptera). - *Evolutionary Sciences* **17**: 19-85, Tokyo.

Addresses of the authors

SONG-YUN LANG & CUI-ZHEN DING
Chongqing Museum of Natural History, 400700, Beibei, China
e-mail: langsongyun@126.com

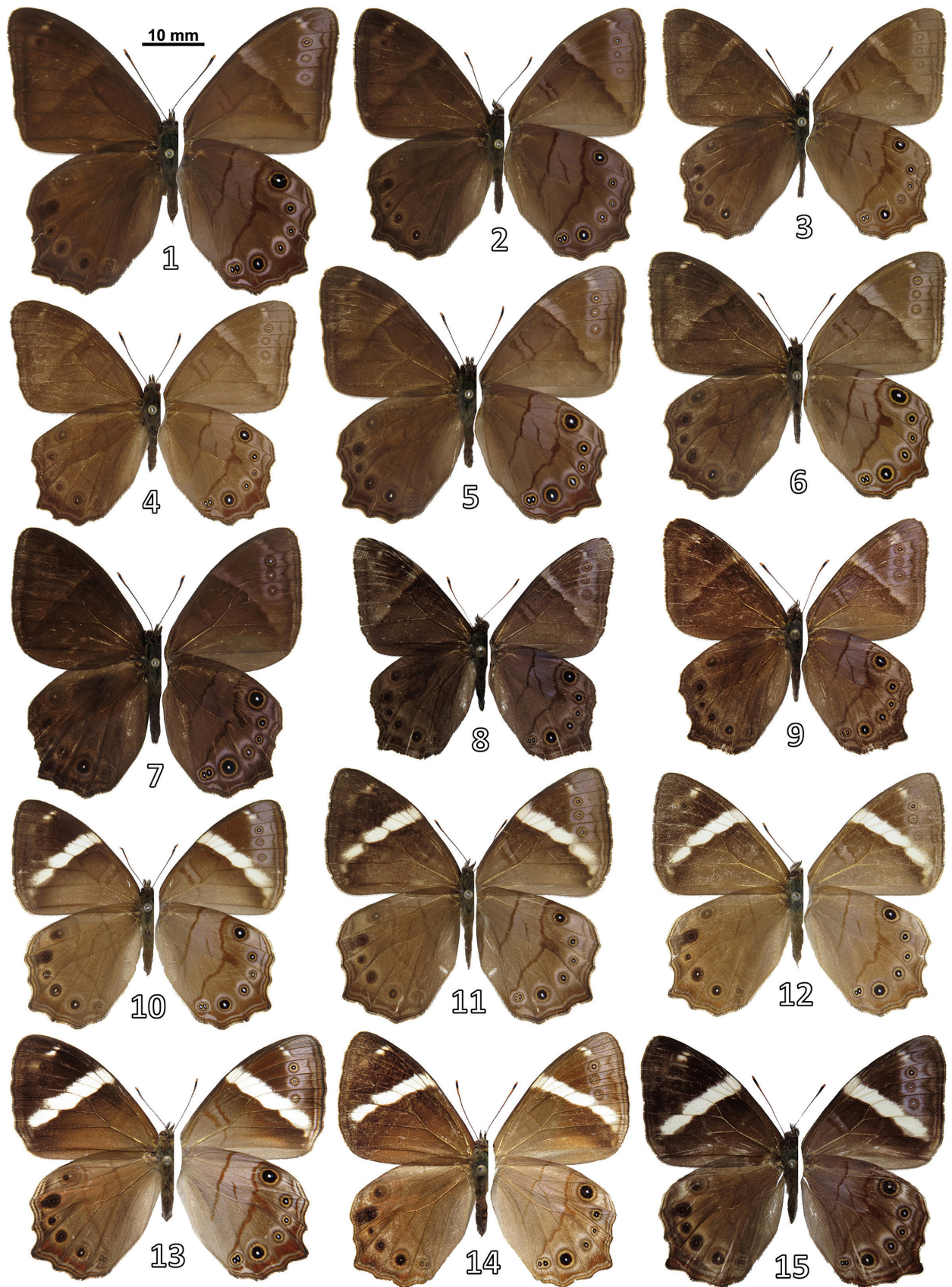


Fig. 1-6: *Lethe hyrانيا caerulescens* MELL, 1923: (1) ♂, CHINA, Guangdong, Ruyuan, SATY1135, LSY; (2) ♂, CHINA, Yunnan, Lincang, LSY; (3) ♂, ditto; (4) ♂, CHINA, Guangxi, Tianlin, LSY; (5) ♂, ditto; (6) ♂, CHINA, Yunnan, Xichou, LSY. **Fig. 7:** *Lethe hyrانيا lehyrانيا* LANG & DING, 2022: holotype, ♂, CHINA, Hainan, Wuzhi-shan, SATY1129, CMNH. **Fig. 8-9:** *Lethe hyrانيا annamhyrانيا* subsp. nov.: (8) holotype ♂, VIETNAM, Dak Lak, SATY0834, CMNH; (9) paratype ♂, VIETNAM, Dak Lak, LSY. **Fig. 10-13:** *Lethe hyrانيا caerulescens* MELL, 1923: (10) ♀, CHINA, Yunnan, Lincang, LSY; (11) ♀, ditto; (12) ♀, ditto; (13) ♀, CHINA, Guangxi, Tianlin, LSY. **Fig. 14:** *Lethe hyrانيا lehyrانيا* LANG & DING, 2022, paratype ♀, CHINA, Hainan, Wuzhi-shan, LSY. **Fig. 15:** *Lethe hyrانيا annamhyrانيا* subsp. nov., paratype ♀, VIETNAM, Dak Lak, LSY.

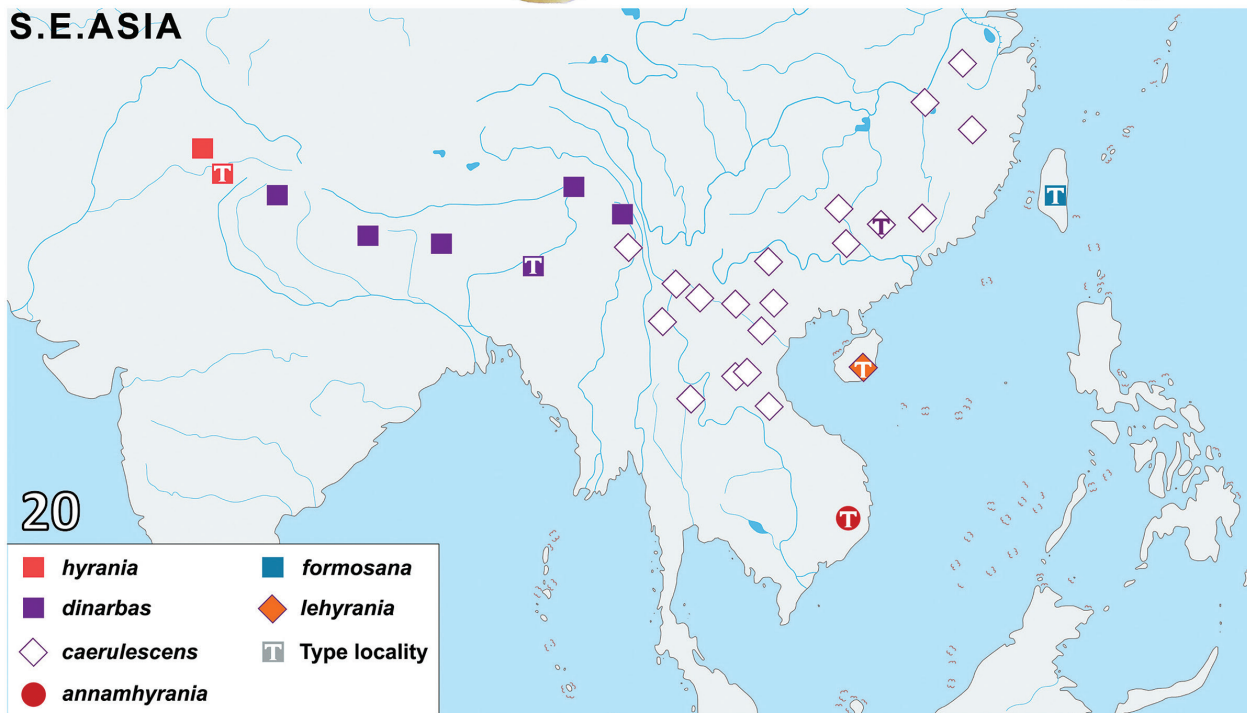
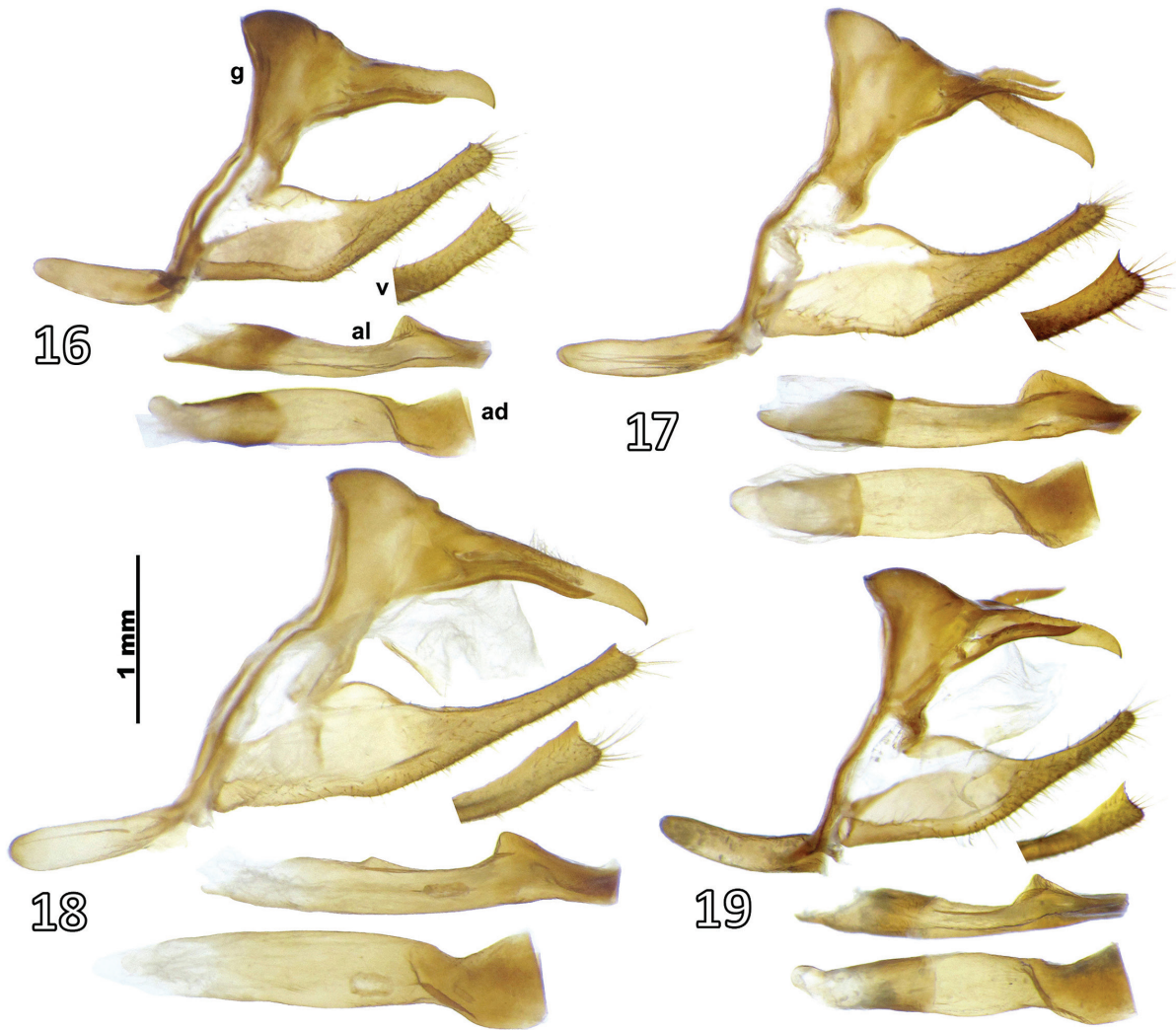


Fig. 16-19: ♂ genitalia. g: ♂ genitalia in lateral view with left valva and aedeagus removed; al: aedeagus in lateral view; ad: aedeagus in dorsal view; v: tip of left valva in dorsal view. **Fig. 16-17:** *Lethe hyrania caeruleascens* MELL, 1923: (16) CHINA, Yunnan, Xiping, SATY1134, LSY; (17) CHINA, Guangdong, Ruyuan, SATY1135, LSY. **Fig. 18:** *Lethe hyrania lehyrania* LANG & DING, 2022, holotype, CHINA, Hainan, Wuzhi-shan, SATY1129, CMNH. **Fig. 19:** *Lethe hyrania annamhyrania* subsp. nov., holotype, VIETNAM, Dak Lak, SATY0834, CMNH. **Fig. 20:** Distribution map of *Lethe hyrania* (KOLLAR, 1844) (Sources of data: INAYOSHI, 2022; LANG & LAMAS, 2016; LANG & DING, 2022; MONASTYRSKII & DEVYATKIN, 2016; NAKAMURA & WAKAHARA, 2012; specimens kept in LSY, CMNH).

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Neue Entomologische Nachrichten](#)

Jahr/Year: 2023

Band/Volume: [82](#)

Autor(en)/Author(s): Lang Song-Yun, Ding Cui-Zhen

Artikel/Article: [A new subspecies of *Lethe hyrانيا* \(Kollollollar, 1844\) from C. Vietnam \(Lepidoptera, Nymphalidae, Satyrinae\) 215-217](#)