

***Eugrumia dabrerai* spec. nov. from Qinghai, China**

(Lepidoptera, Nymphalidae)

by

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received 12.III.2017

Abstract: *Eugrumia dabrerai* spec. nov. (Satyrinae: Satyrini) is described from Qinghai, China. A new junior synonym is recognized: *Erebia koenigi* GOLTZ, 1938 **syn. nov.** [= *Eugrumia discalis* (SOUTH, 1913)]. Two new statuses are given: *Eugrumia discalis batanga* (GOLTZ) **stat. nov.** (= *Paralasa batanga* GOLTZ, 1939); *Eugrumia bozanoi* (DELLA-BRUNA, GALLO, LUCARELLI & SBORDONI, 2000) **stat. nov.** (= *Grumia koenigi bozanoi* DELLA-BRUNA, GALLO, LUCARELLI & SBORDONI, 2000).

Introduction: A small series of ♂ specimens of an *Eugrumia* species was collected by Mr. W.-B. ZHONG from eastern Qinghai. A careful examination of the ♂ genitalia proves this species to be new to science, described herein. The type locality of *Eugrumia discalis* (SOUTH, 1913) is clarified, and four ♂♂ from the type locality are reported.

Abbreviations:

BSNU: Biological laboratory of Shanghai Normal University, Shanghai, P.R. China.

CZHZ: Collection of Zhong-Hua Zheng, Nanjing, China.

CXL: Collection of Xi Lu, Nanjing, China.

HT: Holotype.

PT: Paratype.

TL: Type locality.

Description:

***Eugrumia dabrerai* spec. nov.** (figs. 1, 14)

Eugrumia discalis: DELLA BRUNA et al. (2000 & 2002: 33, figs.) for specimens from Xiahe, Gansu (misidentification).

HT ♂ (figs. 1, 14): China, Qinghai Province, Huangzhong County, Duoba, ca. 4000 m, 5.VI.2005, W.-B. ZHONG leg., ex. coll. X. Lu., deposited in BSNU.

PTs: 2 ♂♂ (CZHZ, CXL), same data as the HT.

Etymology: This new species is named in memory of the late BERNARD D'ABRERA.

Diagnosis: This new species is similar to *Eugrumia discalis* (SOUTH) from SE Tibet, but can be easily distinguished from the latter by the following combination of ♂ characters:

- 1) Size constantly smaller, with a forewing-length of 18.5-19 mm against 22-23 mm in *E. discalis* (SOUTH).
- 2) Discal red patch on both sides of forewing entering space 1b.
- 3) Hindwing underside more coarsely dusted with larger patches of pale scales.

♂ genitalia:

- 4) Dorsal ridge of valva markedly less serrate.
- 5) Valva in lateral view not produced into a dorsal process.
- 6) Uncus markedly shorter.
- 7) Juxta in lateral view without an anterior process.
- 8) Juxta in ventral view markedly wider.

Remarks: This new species was misidentified by DELLA BRUNA et al. (2000 & 2002) as *Eugrumia discalis* (SOUTH) which was described on a couple of specimens collected by the famous F. M. BAILEY in 1911. The ♀ syntype of *E. discalis* (SOUTH) was collected from "Rong se la" at 14000 ft., June 1st (SOUTH, 1913). According to BAILEY (1912), "Rong se la" is on the road from Litang to Batang and is close to Batang, when BAILEY marched from Litang to Batang, between May 29th and June 2nd and passed "Rong se la" on June 1st. However, the ♂ syntype of *E. discalis* (SOUTH) was collected from "Kiala" at 14700 ft. on June 10th (SOUTH 1913). According to BAILEY (1912), "Kiala" is situated between Batang and "Menkong" (Mengong village, near Chawalong, west of the Nujiang River, not the current Mangkang County). At "Kiala", BAILEY "had a view of the hills across the Mekong (Lancang-jiang River)". BAILEY reached "Yen-ching" (now Yanjing) after he passed "Kiala". It becomes clear that "Kiala" is one of the passes across the Hongla-shan Mts., north of Yanjing, SE Tibet. The pair of syntypes were illustrated by D'ABRERA (1990: 188) with only the ♂ labeled as "holotype" which is actually a syntype. However, this ♂ syntype should be selected if a lectotype designation is required in the future.

I collected four more ♂♂ of *E. discalis* (SOUTH) in a recent collecting trip to the Honglashan Mts., SE Tibet, which could be regarded as topotypes. One of these specimens (fig. 3) matches with the ♂ syntype of *Erebia koenigi* GOLTZ,

1938 from Atuntse (Deqin), NW Yunnan, illustrated by DELLA BRUNA et al. (2002: 34). An examination of ♂ genitalia proved all these specimens to be of a single species. Therefore *E. koenigi* GOLTZ is considered herein as a new junior synonym of *Eugrumia discalis* (SOUTH).

It is apparent that *Grumia koenigi bozanoi* DELLA BRUNA et al., 2000 from Qamdo, NE Tibet is a separate species from *Eugrumia discalis* (SOUTH) (= *Erebia koenigi* GOLTZ), with significant genitalic difference. Therefore, *Grumia koenigi bozanoi* DELLA BRUNA et al. is upraised to species rank, *Eugrumia bozanoi* (DELLA BRUNA et al.) **stat. nov.**

Though *Paralasa batanga* GOLTZ, 1939 was suggested by D'ABRERA (1990) and treated by DELLA BRUNA et al. (2000 & 2002) as a synonym of *Eugrumia discalis* (SOUTH), it appears to be a little different by having a markedly smaller subapical ocellus on the forewing of the ♀ [the ♀ syntype of *Eugrumia discalis* (SOUTH) belongs to *Paralasa batanga* GOLTZ, collected from the same area]. Therefore, it is more reasonable to treat *Paralasa batanga* GOLTZ as a subspecies of *Eugrumia discalis* (SOUTH) tentatively, viz. *Eugrumia discalis batanga* (GOLTZ, 1939) **stat. nov.**

Checklist of the *Eugrumia* taxa and their distributions:

- 1a. *Eugrumia discalis discalis* (SOUTH, 1913) - SE Tibet (Honglashan*), NW Yunnan (Deqin).
Erebia discalis SOUTH, 1913: 351 [TL: KIALA, now HONGLASHAN, SE TIBET].
Erebia koenigi GOLTZ, 1938: 46 [TL: Atuntse, now Deqin, NW Yunnan] **syn. nov.**
- 1b. *Eugrumia discalis batanga* (GOLTZ, 1939) **stat. nov.** - Sichuan (Batang*).
Paralasa batanga GOLTZ, 1939: 37 [TL: Batang].
2. *Eugrumia bozanoi* (DELLA BRUNA et al., 2000) **stat. nov.** - NE Tibet (Qamdo*).
Grumia koenigi bozanoi DELLA BRUNA et al., 2000: 34 [TL: Qamdo, E Tibet].
3. *Eugrumia dabrerai* HUANG **spec. nov.** - E Qinghai*, S Gansu (Xiahe).
- 4a. *Eugrumia herse herse* (GRUM-GRSHIMAILO, 1891) - E Qinghai*, S Gansu (Xiahe).
Erebia herse GRUM-GRSHIMAILO, 1891: 457 [TL: montibus ad Sinin, now Xining, Qinghai].
- 4b. *Eugrumia herse dejeani* (WATKINS, 1928) - W Sichuan*.
Paralasa herse dejeani WATKINS, 1928: 617 [TL: W. Szechuan (Tatsienlu, Siaolu, Houkow)].

Acknowledgements: Mr. XI LU (Nanjing) kindly shared his collection with the author. Mr. XIAO-DONG YANG (Yibin, Sichuan) accompanied the author in his collecting trip to northwestern Yunnan and southeastern Tibet.

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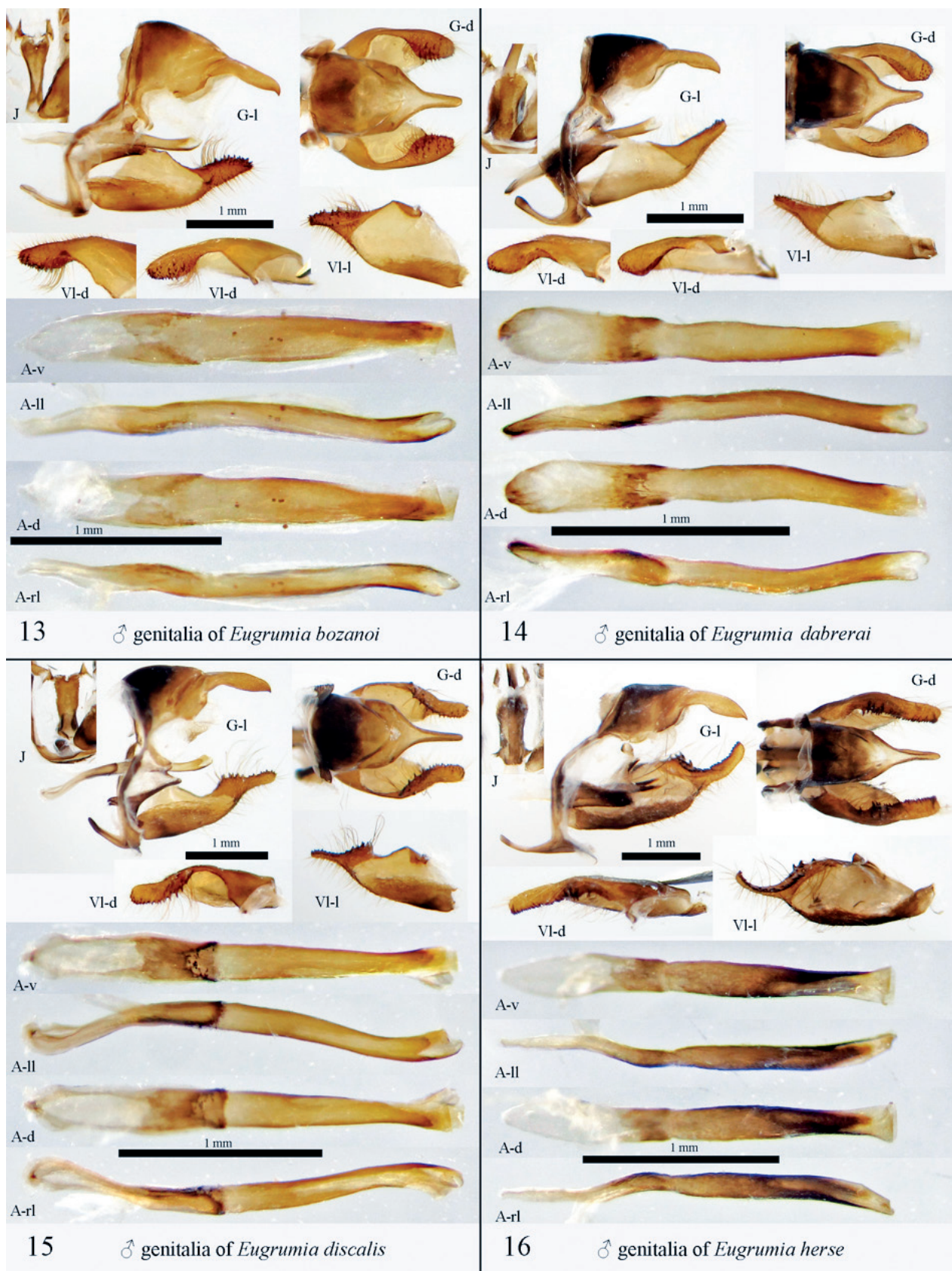
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Figs 1-6: Habitus of *Eugrumia* species under the same scale, upperside (upper half) and underside (lower half). (1) *E. dabrerai* spec. nov., HT ♂; (2) *E. bozanovi* (DELLA BRUNA et al., 2000), ♂ from Qamdo; (3-6) *E. discalis discalis* (SOUTH, 1913), ♂ from Honglashan, SE Tibet. Figs. 7-9: Habitus of *E. herse* (GRUM-GRSHIMAILO, 1891) under same scale, upperside (left half) and underside (right half). (7) *E. herse dejeani* (Watkins, 1928), ♂ from Litang, Sichuan; (8) *E. herse herse* (GRUM-GRSHIMAILO, 1891), ♂ from Xiahe, Gansu; (9) *E. herse herse* (GRUM-GRSHIMAILO, 1891), ♂ from Xining, Qinghai. Figs. 10-12: Type specimens illustrated in literature. (10) *Eugrumia discalis discalis* (SOUTH, 1913), ♂ syntype, upperside, after d'ABRERA (1990: 188); (11) *Eugrumia discalis batanga* (GOLTZ, 1939), ♂ syntype, upperside, after d'ABRERA (1990: 190); (12) *Erebia koenigi* GOLTZ, 1938, ♂ syntype, upperside (left part) and underside (right part), after DELLA BRUNA et al. (2002: 34).



Figs. 13-16: ♂ genitalia of *Eugrumia* species. (13) *E. bozanoi* (DELLA BRUNA et al., 2000), specimen shown in fig. 2; (14) *E. dabrerai* **spec. nov.**, fig. 1; (15) *E. d. discalis* (SOUTH, 1913), Fig. 4; (16) *E. herse* (GRUM-GRSHIMAILO, 1891), Fig. 8. G-l = genitalia in lateral view with left valva removed; G-d = genitalia in dorsal view; VI-d = left valva in dorsal view; VI-l = left valva in lateral view; J = juxta in ventral view; A-l = aedeagus in left lateral view; A-r = aedeagus in right lateral view; A-d = aedeagus in dorsal view; A-v = aedeagus in ventral view.

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Jahr/Year: 2017

Band/Volume: [48](#)

Autor(en)/Author(s): Huang Hao

Artikel/Article: [Eugrumia dabrerai spec. nov. from Qinghai, China \(Lepidoptera, Nymphalidae\) 204-207](#)