

ウラナミジヤノメ属 *megalomma* 群の総説

植村好延*

A revisional guide to the *megalomma*-group of the genus *Ypthima* Hübner
(Lepidoptera, Nymphalidae, Satyrinae)

Yoshinobu Uémura*

はじめに

タテハチョウ科ジヤノメチョウ亜科ウラナミジヤノメ属のチョウはアジアに100種以上、アフリカに約15種、マダガスカルに約40種を擁する大属で、多数の酷似種があり同定のもっとも困難なグループのひとつである。ウラナミジヤノメ属内の系統関係は Shirôzu and Shima (1979) 及び鳶 (1988) により論じられたが、同定の手助けとなるような種の総説はまだない。今後筆者は種群ごとに種の総説をおこなっていく予定である。ここではその第一弾として *megalomma* 群の総説を述べる。

本文中の略号は以下の通り：UP = upperside, UN = underside, BMNH = Natural History Museum, London, IZAS = Institute of Zoology, Academia Sinica, Beijing, KMNH = Kitakyushu Museum and Institute of Natural History, Kitakyushu, QVTC = Qingdao Vocational and Technical College, Qingdao, TME = Toyosato Museum of Entomology, Tsukuba, ZFMK = Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn, ZSI = Zoological Survey of India, Kolkata (Calcutta).

本稿を草するにあたり、比較標本の提供などで故長田志朗（さいたま市）、小岩屋 敏（宮崎市）、斎藤基樹（武蔵野市）、杉山 整（岐阜市）、諫訪哲夫・

鈴木英文（静岡市）、増井暁夫（東京都）、Huang Hao (Qingdao)、A. L. Monastyrska (Vietnam Forest Museum of the Forest Inventory and Planning Institute, Hanoi) の諸氏にお世話になった。お礼申し上げる。

Megalomma 群 (Shirôzu and Shima, 1979; 鳶, 1988 の定義による) の特徴

中～大型種。後翅裏面は第3, 4, 5室に眼状紋を欠く。後翅裏面の眼状紋は多くの種で縮小して点状になることが多い。ウラナミ模様も特有の条斑を現すものが多い。中国西南部を中心に分布する。

♂の前脚は跗節を保持している（第1図）。前翅翅脈R1は中室端より基部から派生する（第2図）。



第1図. *Ypthima megalomma*-group, *megalomma* ♂の前脚跗節 (Shirôzu and Shima, 1979 より転載)。

*つくば市立豊里ゆかりの森昆虫館。Toyosato Museum of Entomology, 676 Tohigashi, Tsukuba, Ibaraki 300-2633, Japan. E-mail: yuemura@mail1.accsnet.ne.jp

原稿受付 2017年10月9日. Manuscript received Oct. 9, 2017.

原稿受理 2017年11月29日. Manuscript accepted Nov. 29, 2017.

キーワード : 分類学、チョウ目、ジヤノメチョウ亜科、ウラナミジヤノメ属、*megalomma* 群。

Key words : Taxonomy, Lepidoptera, Satyrinae, *Ypthima*, *Ypthima megalomma*-group.

第2図. *Ypthima megalomma*-group の脈相図。

♂交尾器：Tegumen と Uncus 間の側面の膜質部が非常に狭いスリットに退行する。Valva は基半部から前方へ向かって強く狭まり、先半の Ampulla + Harpe の部分が棒状に伸長、先端は鋸歯状になる。Costa の背面には一部未発達の種もあるが独特の突起を生じる。

♀交尾器：交尾口の側域に側葉 Lateral Lobes of Lamella Antevaginalis が発達する。交尾口後方に骨化した Lamella Postvaginalis が発達する。

Megalomma 群の種までの検索表

(*yoshinobui*, *lihongxingi* の 2 種は標本を実検していないので除く)

- 1 前翅表面の眼状紋は長橢円形で基部に対して約 45 度傾く ----- 2
- 前翅表面の眼状紋はほぼ円形 ----- 5
- 2 前翅裏面の眼状紋をかこむ内側の濃色条は明瞭 - *iris*
—前翅裏面の眼状紋をかこむ内側の濃色条はほとんどまったく認められない----- 3
- 3 後翅裏面の眼状紋をかこむ濃色条は中央部でくびれない ----- *beautei*
—後翅裏面の眼状紋をかこむ濃色条は中央部でくびれる ----- 4
- 4 後翅裏面の眼状紋をかこむ内側の濃色条は第 2 脈で屈曲する ----- *baileyi*
—後翅裏面の眼状紋をかこむ内側の濃色条は第 2 脈で屈曲しない ----- *putamdui*
- 5 前翅裏面の眼状紋をかこむ内側の濃色条は明瞭 ----- 6
—前翅裏面の眼状紋をかこむ内側の濃色条は不明瞭 - 7
- 6 後翅裏面の眼状紋をかこむ濃色条は中央部でくびれる ----- *dromon*
—後翅裏面の眼状紋をかこむ濃色条は中央部でくびれない ----- *akbar*
- 7 後翅裏面のウラナミ模様は顕著 ----- 8
—後翅裏面はクモガタ模様となる ----- 9
- 8 後翅裏面のウラナミ模様は粗い ----- *chinensis*

- 後翅裏面のウラナミ模様はきめ細かい ----- *frontierii*
- 9 前後翅裏面の地色は赤色味が強い ----- *megalomma*
- 前後翅裏面の地色は赤色味に乏しい ----- *insolita*

Ypthima megalomma Butler, 1874

(第3図 a, 第4図 a, 第6図 a, b, 第9図 a)

Ypthima megalomma Butler, 1874: 236. Holotype ♀ [recte ♂], Shanghai [Snowy Valley, Ningpo] (vide Leech, 1892), Chekiang (BMNH, B.M. Type No. Rh. 3474).

Ypthima megalomma : Leech, 1892: 86–87, pl. 9, fig. 2 ♂ (UP & UN). Ningpo, Chekiang; Chang-yang, Hupeh; Wa-ssu-kow 5000', Szechwan.

Ypthima megalomma : Elwes & Edwards, 1893: 44–45. Shanghai [Ningpo], Chekiang; Ichang, Hupeh; Chang-yang, Hupeh.

Ypthima megalomma : Seitz, 1907: 92, pl. 34, figs. c3 ♂ (UP), c4 ♂ (UN). Yangtze Kiang, from Szechwan to Ningpo.

Ypthima megalomma : Draeseke, 1925: 53. Kuanhsien, Szechwan.

Ypthima megalomma : Forster, 1948: 491. Tapai Shan, Shensi; Kuanhsien, Szechwan; Tsingtao, Shantung.

Ypthima megalomma : Shirôzu & Shima, 1979: 270, pl. 36, fig. 37 (♂ genitalia), pl. 67, figs. 115 ♂ (UP), 116 ♂ (UN). Tapai Shan, Shensi.

Ypthima megalomma : Wang et al., 1990: 22–23, pl. 20, figs. 72 ♂ (UP), 72a ♂ (UN). Henan: Jiyuan; Neixiang; Jigong Shan.

Ypthima megalomma : Lee & Zhu, 1992: 83, figs. 22 ♀ (UP), 23 ♂ (UP), 84, figs. 22 ♀ (UN), 23 ♂ (UN).

Ypthima megalomma : Tong, 1993: 32, pl. 26, figs. 242 ♂ (UP), 243 ♂ (UN). Zhejiang: Hengzhou; Lin'an; Suichang.

Ypthima megalomma : Yang et al., 1994: 23, 78, fig. 16 ♀ (UP), 79, fig. 16 ♀ (UN). Beijing: Miyun, Yunxiugu; Xiazhazi.

Ypthima megalomma : Chou et al., 1994: 395, figs. (UP & UN). Zhejiang.

Ypthima insolita : Aoyama, 1998: 160, fig. 3, 325, text-fig. (♂ genitalia). Shaanxi: Taibai Shan; Qin Ling.

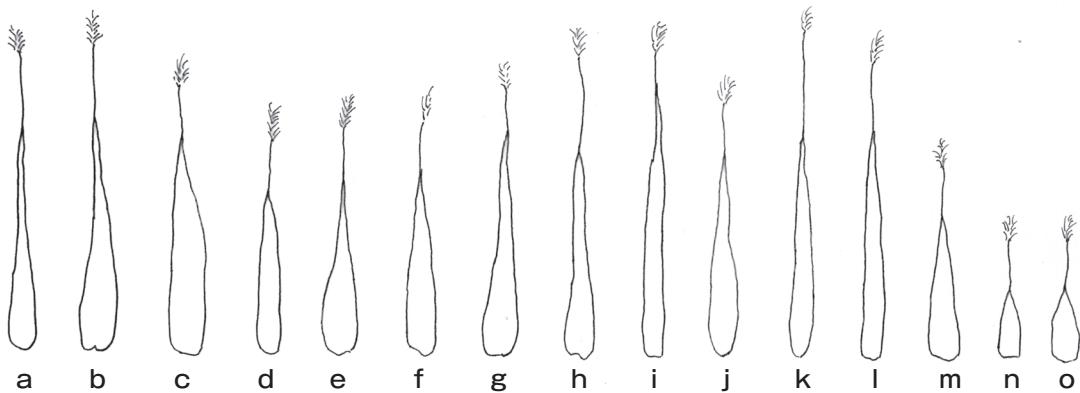
Callerebia sp. : Aoyama, 1998: 161, fig. 5 [♀], 326. Nanping.

Ypthima megalomma : Wang et al., 1998: 82, text-fig. 6–56 (♂ genitalia), pl. 44, figs. 15 ♂ (UP), 16 ♂ (UN). Henan: Jiyuan; Neixiang; Xinyang.

Ypthima megalomma : Wang, 1999: 112, figs. ♂ (UP & UN), ♀ (UP & UN). Liaoning: Jianping; Jianchang.

Ypthima megalomma : Seto, 2013: 126, pl. 32, figs. S4.1 ♂ (UP & UN), S4.2 ♀ (UP & UN). Lapa Highland, Beijing.

Ypthima megalomma : Wu & Ma, 2016: 86, figs. 324 ♂ (UP), 325 ♂ (UN). Anhui: Ma'anshan; Huang Shan; Jiuhua Shan.

第3図. *Ypthima megalomma*-group 各種の発香鱗。

a, *megalomma*; b, *insolita insolita*; c, *putamdui*; d, *beautei beautei*; e, *beautei beautei*; f, *baileyi*; g, *baileyi*; h, *iris iris*; i, *iris paradromon*; j, *iris microiris*; k, *dromon pseudoiris*; l, *dromon dromon*; m, *chinensis*; n, *frontierii*, Sapa, Vietnam; o, *frontierii*, Pingbian, Yunnan.

所検標本. 19♂♂, 3♀♀.

変異. 第2化の発生がある場合、第1化よりも目立つて小型となる。

前翅長: ♂, 24–27 mm (1st brood), 22 mm (2nd brood); ♀, 23–26 mm (1st brood).

地理的分布. 中国東北部(遼寧省)・北部・西部・中部・西部(四川省)。

分布記録. 中国遼寧省 Liaoning: 建平 Jianping (Wang, 1999); 建昌 Jianchang (Wang, 1999). 北京市 Beijing (Peking): 雲岫谷 Yunxiugu, 密雲 Miyun (Yang et al., 1994); 下柵子 Xiazhazi (Yang et al., 1994); 喇叭高原 Lapa Highland, 1♂. 山東省 Shandong (Shantung): 青島 Qingdao (Tsingtao) (Forster, 1948). 浙江省 Zhejiang (Chekiang): 寧波 Ningbo (Ningpo) (Butler, 1874); 杭州 Hengzhou (Hangchow) (Tong, 1993); 臨安 Lin'an (Linan) (Tong, 1993); 遂昌 Suichang (Tong, 1993). 安徽省 Anhui (Anhwei): 馬鞍山 Ma'anshan (Wu and Ma, 2016); 黃山 Huang Shan (Hwang Shan) (Wu and Ma, 2016); 九華山 Jiuhua Shan (Wu and Ma, 2016). 湖北省 Hubei (Hupeh): 宜昌 Yichang (Ichang) (Elwes and Edwards, 1893); 長陽 Changyang (Leech, 1892). 河南省 Henan (Honan): 濟源 Jiyuan (Tsiyuan) (Wang et al., 1990); 內鄉 Neixiang (Neisiang) (Wang et al., 1990); 雞公山 Jigong Shan (Chikung Shan) (Wang et al., 1990); 信陽 Xinyang (Wang et al., 1998). 陝西省 Shaanxi (Shensi): 太白山 Taibai Shan (Tapai Shan), 4♂♂; 秦嶺 Qin Ling (Chin Ling), 9♂♂, 2♀♀. 甘肅省 Gansu (Kansu): 天水 Tianshui (Tienshui), 1♀; Chouchi, 岷山 Min Shan, 2♂♂; 興隆山 Xinglong Shan, 兰州 Lanzhou (Lanchow), 2♂♂; 榆中 Yuzhong (Yuchung), 兰州 Lanzhou (Lanchow), 1♂. 四川省 Sichuan (Szechwan):

Wa-ssu-kow (Leech, 1892); 灌県 Guan Xian (Kwanhsien) (Draeseke, 1925).

備考. 四川省で本種 *Ypthima megalomma* と次種 *Ypthima insolita* の同一産地からの記録 Wa-ssu-kow (Leech, 1892) があるが混生状況など詳細は不明。

Ypthima insolita Leech, 1891

(第9図 b)

Ypthima insolita insolita Leech, 1891

(第3図 b, 第4図 b, 第6図 c-f)

Ypthima insolita Leech, 1891: 66. Syntypes 3♂♂, Wa-ssu-kow, Szechwan, W. China (BMNH).

Ypthima insolita: Leech, 1892: 86, pl. 9, fig. 1♂ (UP & UN). Wa-ssu-kow 5000', Szechwan, W. China.

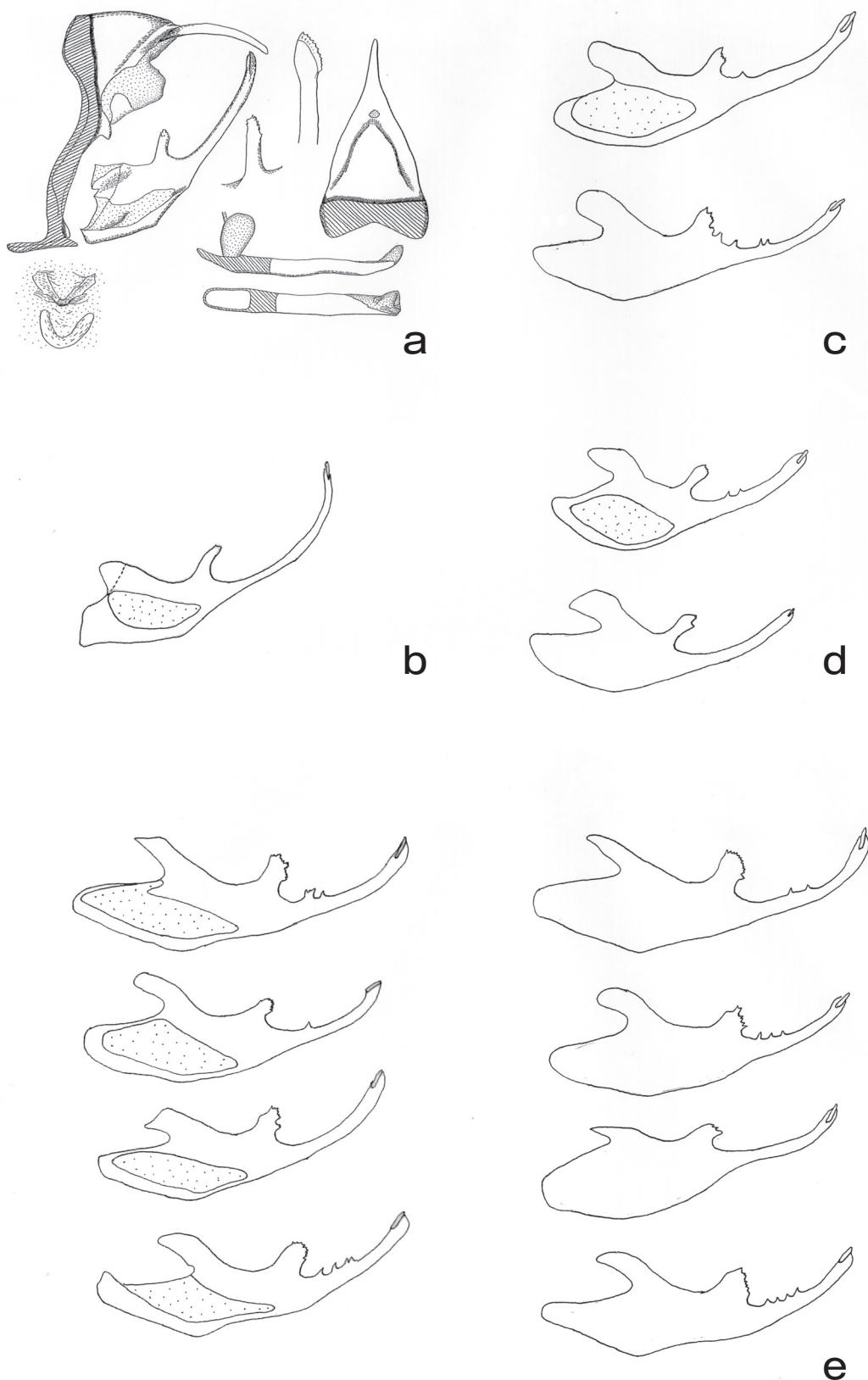
Ypthima insolita: Elwes & Edwards, 1893: 45. Wa-ssu-kow.

Ypthima insolita: Seitz, 1907: 92, pl. 34, fig. d1♂ (UP & UN). Wa-su-kow.

Ypthima insolita: South, 1913: 348–349. Tondula 9000', Chamdo, Tibet.
Ypthima insolita: Draeseke, 1925: 53. Tatsienlu.
Ypthima insolita: Watkins, 1927: 325. 2♀♀, Loma Valley (trib. Mekong) 7000–8000', Yunnan.

Ypthima zyzomacula Chou & Li, in Chou et al., 1994: 395, figs. ♂ (UP & UN), 759, figs. 30♂ (UN), 31 (♂ genitalia). Holotype ♂, Gengma, Yunnan (not located). **Syn. nov.**

Ypthima megalomma: Wang & Zhao, 2000: 150, figs. ♂ (UP), ♂ (UN). Lijiang (Likiang), Yunnan.
Ypthima zyzomacula: Tadokoro & Wang, 2016: 10, figs. Sa-16 ♂ (UP & UN). Lijiang.

第4図. *Ypthima megalomma*-group 各種の♂交尾器。

a, *megalomma* (Shirôzu and Shima, 1979 より転載) ; b, *insolita insolita* ; c, *putamdui* (上, right valva ; 下, left valva) ; d, *beautei beautei* (上, right valva ; 下, left valva) ; e, *baileyi* (左列, right valva ; 右列, left valva) (左右は同一個体).

所検標本. 7 ♂♂, 2 ♀♀.

前翅長: ♂, 23–25 mm; ♀, 24–25 mm.

地理的分布. 中国西部 (四川省・雲南省)・チベット.

分布記録. 中国四川省 Sichuan (Szechwan) : 康定 Kangding (Kangting = Tatsienlu) (Draeske, 1925); Wa-ssu-kow (Leech, 1891). 雲南省 Yunnan : 大理 Dali (Tali), 7 ♂♂, 2 ♀♀; 麗江 Lijiang (Likiang) (Wang and Zhao, 2000); 耶馬 Gengma (Chou and Li, in Chou et al., 1994); Loma Valley, trib. Mekong (Watkins, 1927). チベット Tibet : Tondula, Chamdo (South, 1913).

Ypthima insolita megalia de Nicéville, 1897

Ypthima megalia de Nicéville, 1897: 546–547, pl. 1, fig. 5 ♂ (UP & UN). Holotype ♂, Chinese frontier east of Bhamo, N. Shan States, Burma (ZSI) [examined].

Ypthima megalia : Bingham, 1905: 146. Northern Shan States.

Ypthima megalia : Fruhstorfer, 1911: 294. Upper Shan States, Burma.

Ypthima megalomma megalia : Evans, 1932: 119. N. Burma.

Ypthima megalomma megalia : Talbot, 1947: 318–319. Northern Burma.

所検標本. 1 ♂.

地理的分布. ミャンマー北部.

分布記録. ミャンマー Myanmar (Burma) : Chinese frontier east of Bhamo, N. Shan States, 1 ♂.

Ypthima putamdui South, 1913

(第3図c, 第4図c, 第6図g-j, 第9図c)

Ypthima putamdui South, 1913: 348. Holotype ♂, Nya Chuka (10000'), Szechwan, W. China (BMNH, B.M. Type No. Rh. 3475) [examined].

Ypthima putamdui : Shima & Nakanishi, 2007: 53. Figs. 1C–D (holotype specimen, UP & UN), F (labels), 6 (♂ genitalia). Nya Chuka, 10000', S.E. Tibet, China.

所検標本. 2 ♂♂, 1 ♀.

変異. Costa 背面に生じる独特の突起は左右の Valva で不对称.

前翅長: ♂, 23 mm.

地理的分布. 中国西部 (四川省・雲南省).

分布記録. 中国四川省 Sichuan (Szechwan) : 雅江 Yajiang (Yakiang = Nyahchukha = Hokow), 1 ♂; 稲城 Daocheng (Taocheng), 1 ♀. 雲南省 Yunnan : 德欽 Dêqên (Techin = Atuntse), 1 ♂.

Ypthima yoshinobui Huang & Wu, 2003

(第5図f, 第9図d)

Ypthima yoshinobui Huang & Wu, 2003: 115–118, figs. 3 (♂ genitalia), 4 (♂ genitalia), 7 (♂ genitalia), 10 (androconia), pl. 10, fig. 3 ♂ (UP & UN). Holotype ♂, Make valley, E. Qinghai, China (IZAS).

前翅長: ♂, 22 mm (Huang and Wu, 2003).

地理的分布. 中国青海省.

分布記録. 中国青海省 Qinghai (Tsinghai) : 瑪柯 Make valley (Huang and Wu, 2003).

備考. *Ypthima putamdui* の一亜種に過ぎないのかも知れない.

Ypthima beautei Oberthür, 1884

Ypthima beautei beautei Oberthür, 1884

(第3図d, e, 第4図d, 第7図e, f, 第9図e)

Ypthima (sic) *beautei* Oberthür, 1884: 18, pl. 2, fig. 1 ♀ (UP & UN).

Syntype ♀, Tâ-Tsien-Loû, Szechwan, W. China (BMNH, B.M. Type No. Rh. 3471) [examined].

Ypthima beautei : Leech, 1892: 85–86. Ta-chien-lu, Szechwan, W. China.

Ypthima beautei : Elwes & Edwards, 1893: 42. Ta-tsien-lo.

Ypthima beautei : Seitz, 1907: 92, pl. 34, fig. c5 ♂ (UP). Ta-tsien-lu.

Ypthima beautei : South, 1913: 348. Ridong 12000', Chamdo, Tibet.

Ypthima beautei : Draeske, 1925: 53. Sungpan, Tatsienlu.

Ypthima beautei beautei : Huang & Wu, 2003: 118, figs. 8–9 (♂ genitalia), 11 (androconia), pl. 10, fig. 1 ♂ (UP & UN). Lu-ding, W. Sichuan.

所検標本. 3 ♂♂, 1 ♀.

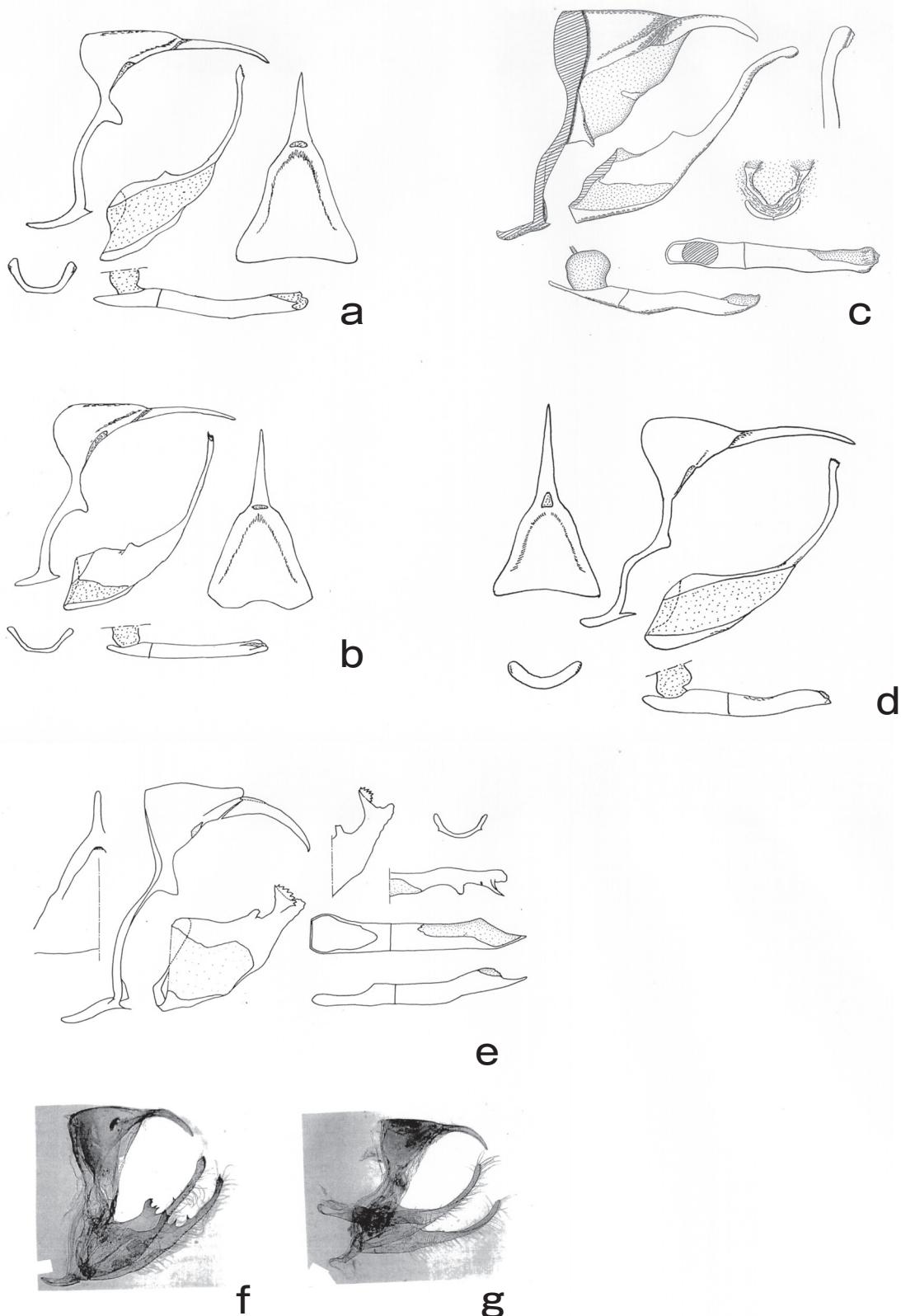
前翅長: ♂, 20 mm.

地理的分布. 中国西部 (四川省)・チベット東部.

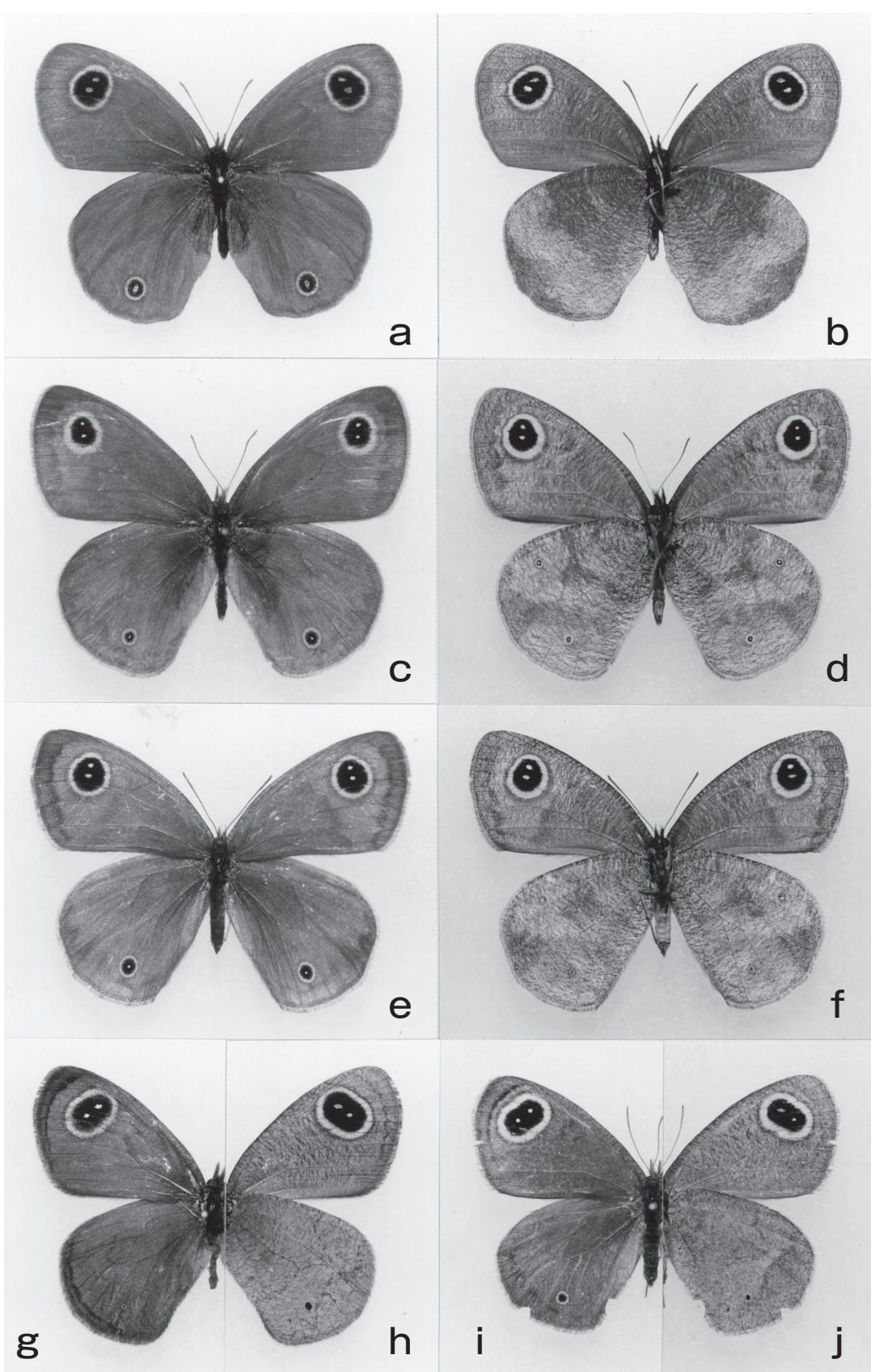
分布記録. 中国四川省 Sichuan (Szechwan) : 康定 Kangding (Kangting = Tatsienlu), 2 ♂♂, 1 ♀; 濘定 Luding (Luting) (Huang and Wu, 2003); 松潘 Songpan (Sungpan) (Draeske, 1925); 四姑娘山 Siguniang Shan, 1 ♂. チベット Tibet : Ridong, Chamdo (South, 1913).

Ypthima beautei qinghaiensis Huang & Wu, 2003

Ypthima beautei qinghaiensis Huang & Wu, 2003: 118, figs. 5–7 (♂ genitalia), 12 (androconia), pl. 10, fig. 2 ♂ (UP & UN). Holotype ♂, Make valley, E. Qinghai, China (IZAS).

第5図. *Ypthima megalomma*-group 各種の♂交尾器.

a, *iris iris* (Uémura and Koiwaya, 2000 より転載); b, *dromon dromon* (Uémura and Koiwaya, 2000 より転載); c, *chinensis* (Shirôzu and Shima, 1979 より転載); d, *frontierii* (Uémura and Monastyrskii, 2000 より転載); e, *akbar* (Aoki and Uémura, 1984 より転載); f, *yoshinobui* (Huang and Wu, 2003 より転載); g, *lihongxingi* (Huang and Wu, 2003 より転載).

第6図. *Ypthima megalomma*-group 各種.

a, *megalomma* ♂表面, Qin Ling, Shaanxi; b, 同裏面; c, *insolita insolita* ♂表面, Dali, Yunnan; d, 同裏面; e, *insolita insolita* ♀表面, Dali, Yunnan; f, 同裏面; g, *putamdui* ♂表面, Dêqên, Yunnan; h, 同裏面; i, *putamdui* ♀表面, Daocheng, Sichuan; j, 同裏面.

前翅長 : ♂, 22.5 mm (Huang and Wu, 2003).

地理的分布. 中国青海省.

分布記録. 中国青海省 Qinghai (Tsinghai) : 瑪柯 Make valley (Huang and Wu, 2003).

Ypthima baileyi South, 1913

(第3図f,g, 第4図e, 第7図a-d, g, h, 第9図f)

Ypthima baileyi South, 1913: 348. Holotype ♂, Batang (10000'), Szechwan, W. China (BMNH, B.M. Type No. Rh. 3476) [examined].

Ypthima pseudodromon Forster, 1948: 488–491, pl. 32, figs. 7 ♂ (UP), 8 ♀ (UP), pl. 33, figs. 7 ♂ (UN), 8 ♀ (UN). Holotype ♂, Likiang, Yunnan, W. China (ZFMK). **Syn. nov.**

Ypthima pseudodromon : Shirôzu & Shima, 1979: 270, pl. 36, fig. 38 (♂ genitalia), pl. 67, figs. 117 ♂ (UP), 118 ♂ (UN). Likiang.

Ypthima dromon : Chou et al., 1994: 395, figs. ♂ (UP & UN) (in part). Yunnan.

Ypthima baileyi : Huang & Wu, 2003: 118, 120, figs. 7 (♂ genitalia), 14 (androconia), 18–20 (♂ genitalia), pl. 10, figs. 4 ♂ (UP), 5 ♂ (UN). Xiangcheng, W. Sichuan.

所検標本. 22 ♂♂, 9 ♀♀.

変異. Costa 背面に生じる独特の突起は左右の Valva で不对称. 個体によってこの突起の形状は異なり, ひとつとして同じ形のものはみられない.

前翅長 : ♂, 20–24 mm; ♀, 20–24 mm.

地理的分布. 中国西部 (四川省・雲南省).

分布記録. 中国四川省 Sichuan (Szechwan) : 巴塘 Batang, 1 ♂; 鄭城 Xiangcheng (Huang and Wu, 2003). 雲南省 Yunnan : 中甸 Zhongdian, 6 ♂♂, 2 ♀♀; 丽江 Lijiang (Likiang), 1 ♂, 1 ♀; 玉龍雪山 Yulongxue Shan, 13 ♂♂, 5 ♀♀; 德欽 Dêqên (Techin = Atuntse), 1 ♂, 1 ♀.

Ypthima iris Leech, 1891

(第9図g)

Ypthima iris iris Leech, 1891

(第3図h, 第5図a, 第7図i,j)

Ypthima iris Leech, June 1891: 57. Syntypes ♂♀, Wa-ssu-kow, Chow-pin-sa, Szechwan, W. China (BMNH) [?Syntype ♂, Pu-tsufong, Szechwan, W. China, B.M. Type No. Rh. 3459 examined] [Syntypes 6 ♂♂, 6 ♀♀, Wa-ssu-kow, Chow-pin-sa, Pu-tsufong, vide South, 1902: Syntypes 5 ♂♂, 7 ♀♀, B.M. Type No. Rh. 3459–3470, vide Riley & Gabriel, 1924].

Ypthima (sic) *dromonides* Oberthür, [July] 1891: 15–16, pl. 2, fig. 14 ♂ (UP & UN). Syntypes ♂♀, Tâ-Tsien-Loû [Tatsienlu], Szechwan, W. China [untraced]. [Synonymised by Leech, 1892: 84.]

Ypthima iris : Leech, 1892: 84–85. Wa-ssu-kow, Chow-pin-sa, Pu-tsufong.

Ypthima iris : Elwes & Edwards, 1893: 42 [in part].

Ypthima iris : Seitz, 1907: 92, pl. 34, figs. d2 ♂ (UP), d3 ♂ (UN). W. China.

Ypthima iris dromonides : Seitz, 1907: 92, pl. 34, fig. d4 ♂ (UP). Tatsien-lu.

Ypthima iris : Forster, 1948: 485–486. Kunkalashan, Sunpanting, Batang, Szechwan, W. China.

?*[Ypthima* sp.] : Aoyama, 1998: 326, 160, fig. 8. Luding, Sichuan.]

Ypthima iris iris : Uémura & Koiwaya, 2000: 2–3, figs. 1a (androconia), 2 (♂ genitalia), pl. 1, figs. 1 ♂ (UP), 2 ♂ (UN), 3 ♀ (UP & UN). Redescription.

Ypthima iris iris : Huang, 2001: 106. Wenquan of Mangkang, S.E. Tibet.

所検標本. 28 ♂♂, 5 ♀♀.

前翅長 : ♂, 23–25 mm; ♀, 23–24 mm.

地理的分布. 中国西部 (四川省)・チベット東部.

分布記録. 中国四川省 Sichuan (Szechwan) : 康定 Kangding (Kangting = Tatsienlu), 27 ♂♂, 5 ♀♀; Wa-ssu-kow (Leech, 1891); 八字房 Bazifang (Pu-tsufong), 1 ♂; Chow-pin-sa (Leech, 1891); Kunkalashan (Forster, 1948); 松潘 Songpan (Sungpan) (Forster, 1948); 巴塘 Batang (Forster, 1948). チベット Tibet : Wenquan of 芒康 Mangkang (Markam) (Huang, 2001).

備考. *Ypthima iris hygrophilus* Mell, 1942 は *Ypthima norma norma* Westwood, [1851] のシノニムにほかならない (Uémura and Koiwaya, 2000).

Ypthima iris paradromon Uémura & Koiwaya, 2000

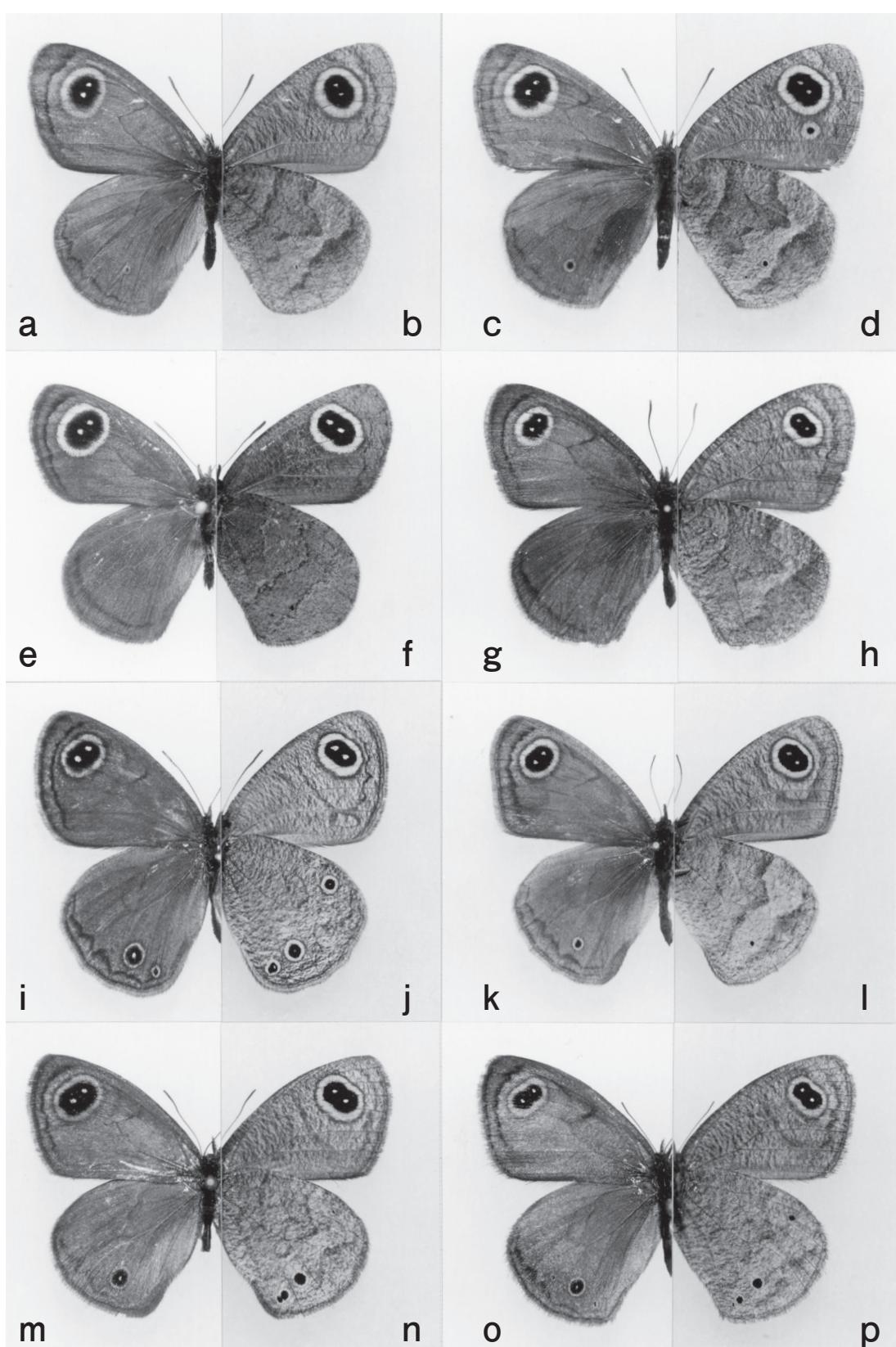
(第3図i, 第7図k,l)

Ypthima dromon : Forster, 1948: 488, pl. 32, figs. 5 ♂ (UP), 6 ♀ (UP), pl. 33, figs. 5 ♂ (UN), 6 ♀ (UN). Likiang, Atuntse, Yunnan, W. China.

Ypthima dromon : Shirôzu & Shima, 1979: 270, pl. 35, fig. 36 (♂ genitalia), pl. 52, fig. 24 (androconia), pl. 67, figs. 113 ♂ (UP), 114 ♂ (UN). Likiang, N. Yunnan.

Ypthima dromon : Koiwaya, 1980: 24–25, pl. 1, figs. 3 ♀ (UP), 4 ♀ (UN) (in part) [vide Koiwaya, 1989: 196]. Kunming, Yunnan.

Ypthima dromon : Lee & Zhu, 1992: 83, fig. 13 ♂ (UP), 84, fig. 13 ♂ (UN).

第7図. *Ypthima megalomma*-group 各種.

a, *baileyi* ♂表面, Yulongxue Shan, Yunnan; b, 同裏面; c, *baileyi* ♀表面, Yulongxue Shan, Yunnan; d, 同裏面; e, *beautei beautei* ♂表面, Siguniang Shan, Sichuan; f, 同裏面; g, *baileyi* ♂表面, Zhongdian, Yunnan; h, 同裏面; i, *iris iris* ♂表面, Kangding, Sichuan; j, 同裏面; k, *iris paradromon* ♂表面 (Holotype), Dali, Yunnan; l, 同裏面; m, *iris microiris* ♂表面 (Holotype), Qamdo, Tibet; n, 同裏面; o, *iris microiris* ♂表面, Qamdo, Tibet; p, 同裏面.

Ypthima dromon : Chou et al., 1994: 395, figs. ♀ (UP & UN)(in part).

Yunnan.

Ypthima dromon : Aoyama, 1998: 325, 160, fig. 2. Dali, Yunnan.

Ypthima iris paradromon Uémura & Koiwaya, 2000: 5, fig. 1b
(androconia), pl. 1, figs. 4 ♂ (UP), 5 ♂ (UN), 6 ♀ (UP & UN), 9
♂ (UP & UN). Holotype ♂, Dali (Tali), Yunnan (TME).

Ypthima dromon : Wang & Zhao, 2000: 145, figs. ♂ (UP), ♂ (UN). 雲南·
騰沖.

Ypthima dromon : Tadokoro & Wang, 2016: 10, figs. Sa-13 ♀ (UP &
UN), Sa-13 ♂ (UP & UN). Lijiang.

所檢標本. 29 ♂♂, 6 ♀♀.

前翅長: ♂, 22–24 mm; ♀, 23 mm.

地理的分布. 中国西部 (雲南省).

分布記録. 中国雲南省 Yunnan: 昆明 Kunming, 4 ♂♂,
1 ♀; 大理 Dali (Tali), 17 ♂♂, 3 ♀♀; 麗江 Lijiang
(Likiang) (Forster, 1948); 玉龍雪山 Yulongxue Shan, 6
♂♂; 德欽 Dêqên (Techin = Atuntse) (Forster, 1948).

Ypthima iris microiris Uémura & Koiwaya, 2000

(第3図j, 第7図m-p)

Ypthima iris microiris Uémura & Koiwaya, 2000: 5, fig. 1c-d
(androconia), pl. 1, figs. 7 ♂ (UP & UN), 8 ♀ (UP & UN).
Holotype ♂, Qamdo (Chamdo), Eastern Tibet (KMNH).

所檢標本. 9 ♂♂, 9 ♀♀.

前翅長: ♂, 21–22 mm; ♀, 21–22 mm.

地理的分布. チベット東部.

分布記録. 中国チベット Tibet: 昌都 Qamdo (Chamdo),
9 ♂♂, 9 ♀♀.

Ypthima iris naqialoa Huang, 2003

Ypthima iris naqialoa Huang, 2003: 53, 100, pl. 7, fig. 4 ♂ (UP & UN).

Holotype ♂, Path between Naqialo and Longpo, Nujiang valley,
N.W. Yunnan, China (QVTC). Naqialo to Longpo; Naqialo to
Zanian.

所檢標本. 1 ♂.

前翅長: ♂, 24 mm.

地理的分布. 中国西部 (雲南省西北部).

分布記録. 中国雲南省 Yunnan: Naqialo, 1 ♂; Naqialo
to Longpo (Huang, 2003); Naqialo to Zanian (Huang,
2003).

Ypthima dromon Oberthür, 1891

(第9図h)

Ypthima dromon pseudoiris Uémura & Koiwaya, 2000
(第3図k, 第8図a, b)

Ypthima iris : Shirôzu & Shima, 1979: 270, pl. 35, fig. 35 (♂ genitalia),
pl. 49, fig. 70 (♀ genitalia), pl. 66, figs. 109 ♂ (UP), 110 ♂ (UN),
111 ♀ (UP), 112 ♀ (UN). Tatsienlu, Szechwan, W. China.

Ypthima dromon pseudoiris Uémura & Koiwaya, 2000: 7–8, fig. 1f
(androconia), pl. 1, figs. 13 ♂ (UP & UN), 14 ♂ (UP & UN), 15
♀ (UP & UN). Holotype ♂, West of Mt. Haba, North-western
Yunnan (TME).

所檢標本. 11 ♂♂, 6 ♀♀.

前翅長: ♂, 21–25 mm; ♀, 21–24 mm.

地理的分布. 中国西部 (揚子江以東の雲南省・四川省).

分布記録. 中国四川省 Sichuan (Szechwan) :
Kangding (Kangting = Tatsienlu) (Shirôzu and Shima,
1979). 雲南省 Yunnan : West of Mt. Haba, 11 ♂♂, 6
♀♀.

Ypthima dromon dromon Oberthür, 1891

(第3図l, 第5図b, 第8図c, d)

Ypthima (sic) *dromon* Oberthür, 1891: 15, pl. 2, fig. 12 ♂ (UP & UN).

Syntype(s) ♂, Tsé-Kou & Yunnan, Yunnan, W. China [untraced].

Ypthima dromon : Leech, 1892: 85.

Ypthima dromon : Elwes & Edwards, 1893: 51. Tsé-kou.

Ypthima sp. : Watkins, 1927: 326. 7 ♂, Loma Valley 5700'–7400'. 3 ♀,
Yangtze & Mekong Valleys 5700'–7400'. 1 ♂ 1 ♀, Yunnan.

Ypthima iris : Koiwaya, 1980: 24–25, pl. 1, figs. 1 ♂ (UP), 2 ♂ (UN)(in
part). Kunming, Yunnan.

Ypthima iris : Lee & Zhu, 1992: 83, fig. 17 ♂ (UP), 84, fig. 17 ♂ (UN).

Ypthima iris : Chou et al., 1994: 395, figs. ♂ (UP & UN). Yunnan.

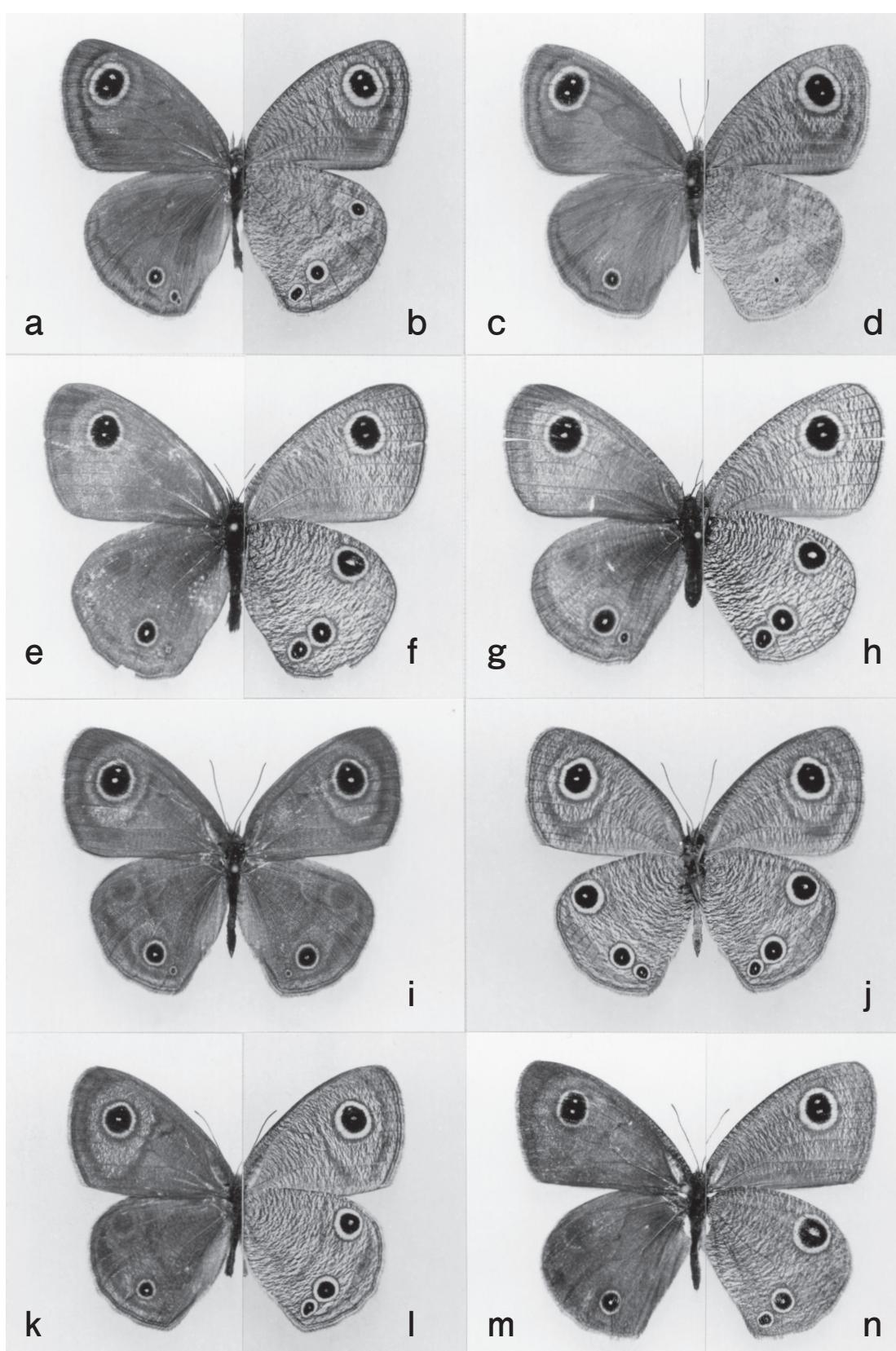
Ypthima dromon dromon : Uémura & Koiwaya, 2000: 5, 7, figs. 1e
(androconia), 3 (♂ genitalia), pl. 1, figs. 10 ♂ (UP & UN), 11 ♂
(UP & UN), 12 ♀ (UP & UN). Redescription.

所檢標本. 36 ♂♂, 13 ♀♀.

前翅長: ♂, 22–24 mm; ♀, 22–24 mm.

地理的分布. 中国西部 (雲南省), ラオス.

分布記録. 中国雲南省 Yunnan: 昆明 Kunming, 2 ♂♂,
3 ♀♀; 大理 Dali (Tali), 33 ♂♂, 10 ♀♀; Loma
Valley, trib. Mekong (Watkins, 1927); Yangtze & Mekong

第8図. *Ypthima megalomma*-group 各種.

a, *dromon pseudoiris* ♂表面 (Holotype), West of Mt. Haba, Yunnan; b, 同裏面; c, *dromon dromon* ♂表面, Dali, Yunnan; d, 同裏面; e, *chinensis* ♂表面, Siming Shan, Zhejiang; f, 同裏面; g, *chinensis* ♀表面, Tiantai Shan, Zhejiang; h, 同裏面; i, *akbar* ♂表面, Boun Neua, Laos; j, 同裏面; k, *akbar* ♂表面, Xishuangbanna, Yunnan; l, 同裏面; m, *frontierii* ♂表面, Pingbian, Yunnan; n, 同裏面.

Valleys (Watkins, 1927) ; Tzku (Oberthür, 1891). ラオス
Laos : Nam Kat National Park, Oudom Xai, 1 ♂ (**new record**).

Ypthima chinensis Leech, 1892

(第3図m, 第5図c, 第8図e-h, 第9図i)

Ypthima newara var. *chinensis* Leech, 1892: 88-89, pl. 10, fig. 5 ♂ (UP & UN). Syntypes 7 ♂♂ 5 ♀♀, Kiukiang, Kiangsi, C. China; Changyang, Hupeh, C. China, B.M. Type No. Rh. 3389-3400 (BMNH). *Ypthima chinensis* : Elwes & Edwards, 1893: 21, pl. 2, fig. 43 (♂ genitalia). Kiukiang, Chang-yang.

Ypthima chinensis : Leech, 1894: 646.

Ypthima chinensis : Seitz, 1907: 92, pl. 34, fig. b7 ♂ (UN). C. China.

Ypthima chinensis : Forster, 1948: 477. East & West Tienmushan, Chekiang, C. China.

Ypthima chinensis : Shirôzu & Shima, 1979: 270, pl. 34, fig. 34 (♂ genitalia), pl. 52, fig. 22 (androconia), pl. 66, figs. 107 ♂ (UP), 108 ♂ (UN). Kuatun, Fukien, S. China.

Ypthima chinensis : Tong, 1993: 31, pl. 26, figs. 232 ♂ (UP), 233 ♂ (UN). Zhejiang: Putuo; Jinyun; Taishun.

Ypthima chinensis : Chou et al., 1994: 394, figs. ♀ (UP & UN)(in part). Zhejiang.

Ypthima chinensis : Wu & Ma, 2016: 84, figs. 316 ♀ (UP), 317 ♀ (UN). Chuzhou, Anhui.

所検標本. 8 ♂♂, 11 ♀♀.

前翅長: ♂, 23-25 mm; ♀, 25-26 mm.

地理的分布. 中国中部・南部.

分布記録. 中国安徽省 Anhui (Anhwei) : 滁州 Chuzhou (Wu and Ma, 2016). 湖北省 Hubei (Hupeh) : 神農架 Shennongjia, 1 ♂, 1 ♀; 長陽 Changyang (Leech, 1892). 江西省 Jiangxi (Kiangsi) : 九江 Jiujiang (Kiukiang) (Leech, 1892); 武夷山 Wuyi Shan, 1 ♂. 浙江省 Zhejiang (Chekiang) : 東天目山 East Tianmu Shan (Tienmu Shan) (Forster, 1948); 西天目山 West Tianmu Shan (Tienmu Shan) (Forster, 1948); 四明山 Siming Shan (Szeming Shan), 4 ♂♂, 6 ♀♀; 天台山 Tiantai Shan (Tientai Shan), 2 ♂♂, 4 ♀♀; 繼雲 Jinyun (Tsinyun) (Tong, 1993); 泰順 Taishun (Tong, 1993); 普陀 Putuo (Puto) (Tong, 1993). 福建省 Fujian (Fukien) : Kuatun (Shirôzu and Shima, 1979).

Ypthima frontierii Uémura & Monastyrskii, 2000

(第3図n, o, 第5図d, 第8図m, n, 第9図j)

Ypthima frontierii Uémura & Monastyrskii, 2000: 150-153, figs. 1a-c (androconia), 2 (♂ genitalia), 4 (paratype ♂, wsf, UP), 5 (ditto, UN), 6 (holotype ♂, dsf, UP), 7 (ditto, UN), 8 (paratype ♀, dsf, UP), 9 (ditto, UN). Holotype ♂ (dsf), Sa Pa, N. Vietnam (TME).

Ypthima frontierii : Monastyrskii & Devyatkin, 2003: 20, pl. 2, fig. 4 ♂ (UN). N. [Vietnam] (Lao Cai).

Ypthima frontierii : Uémura & Monastyrskii, 2004: 30, figs. 2bb-cc (androconia), 7.1 (paratype ♂, wsf, UP & UN), 7.2 (holotype ♂, dsf, UP & UN), 10 (distribution map). Sa Pa (2,000m), Lao Cai province; Hoang Lien Nature Reserve (1,600m), Lao Cai province.

Ypthima frontierii : Huang & Wu, 2003: 120 (♂ genitalia), fig. 21, pl. 10, fig. 7 ♂ (UP & UN). De-fu, Na-po, Guangxi province.

所検標本. 10 ♂♂, 3 ♀♀.

特徴. ♂交尾器 Costa 背面の独特の突起は未発達.

変異. 雨季型と乾季型が知られる. 乾季型の後翅裏面の眼状紋は退化して点状となる.

前翅長: ♂, 21-22 mm; ♀, 22-23 mm.

地理的分布. 中国西部(雲南省)・南部(広西壮族自治区), ベトナム北部, ミャンマー北部.

分布記録. 中国広西壮族自治区 Guangxi (Kwangsi) : De-fu, 那坡 Na-po (Huang and Wu, 2003). 雲南省 Yunnan : 屏邊 Pingbian, 1 ♂, 1 ♀. ベトナム Vietnam : Sa Pa, 3 ♂♂, 1 ♀; Hoang Lien Nature Reserve, 5 ♂♂, 1 ♀. ミャンマー Myanmar (Burma) : Panwa, Kachin, 1 ♂ (**new record**).

Ypthima lihongxingi Huang & Wu, 2003

(第5図g, 第9図k)

Ypthima lihongxingi Huang & Wu, 2003: 120-122, figs. 13 (androconia), 15-17 (♂ genitalia), pl. 10, fig. 6 ♂ (UP & UN). Holotype ♂, Xing-dou-shan, Lichuan, Hubei (IZAS).

特徴. ♂交尾器 Costa 背面の独特の突起は未発達 (Huang and Wu, 2003).

前翅長: ♂, 22 mm (Huang and Wu, 2003).

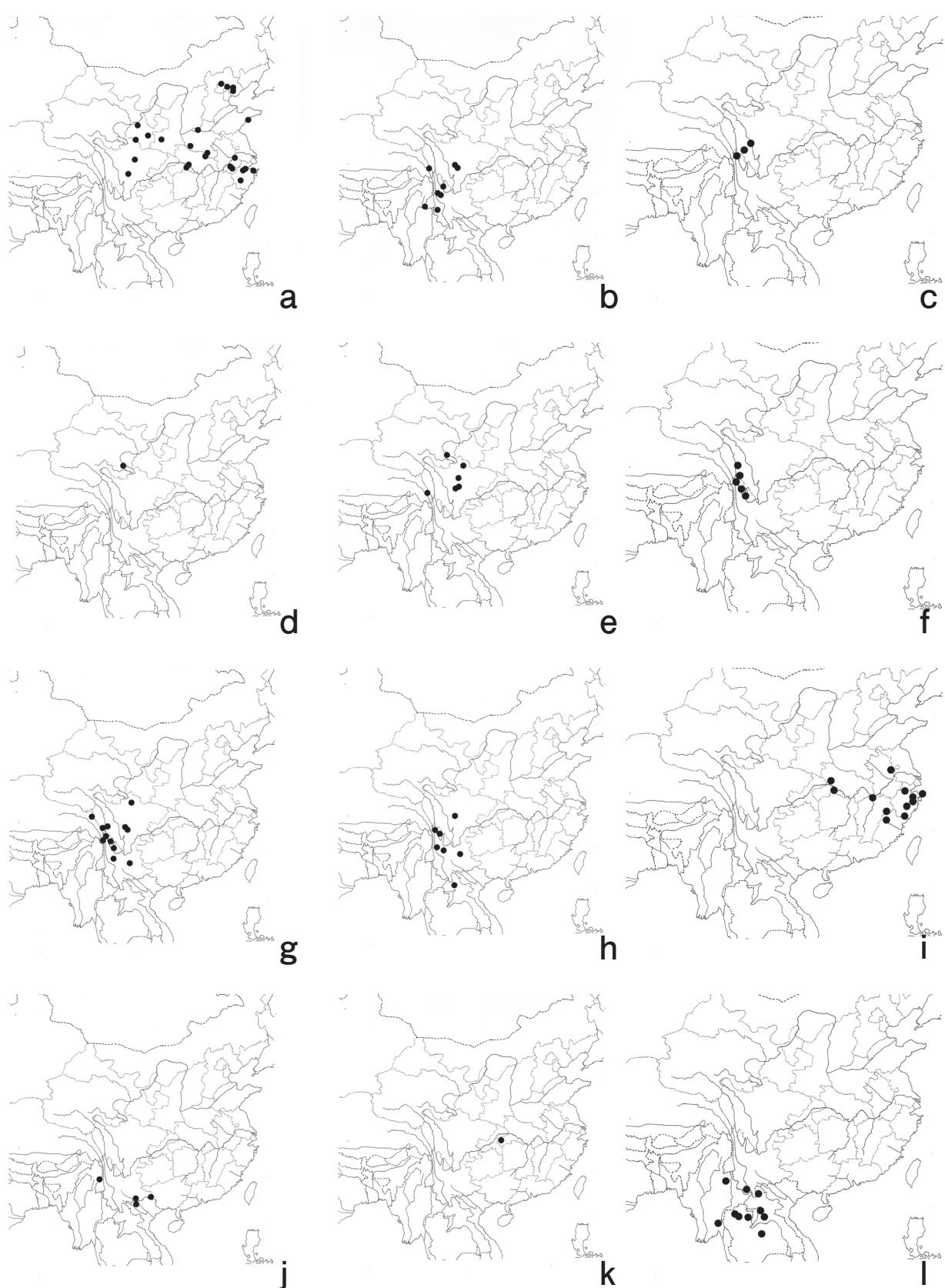
地理的分布. 中国中部(湖北省).

分布記録. 湖北省 Hubei (Hupeh) : Xing-dou-shan, 利川 Lichuan (Huang and Wu, 2003).

Ypthima akbar Talbot, 1947

(第5図e, 第8図i-l, 第9図l)

Ypthima philomela : Elwes, 1891: 267 (? dsf)(in part). [Karen Hills.]

第9図. *Ypthima megalomma*-group 各種の分布図。

a, *megalomma*; b, *insolita*; c, *putamdui*; d, *yoshinobui*; e, *beautei*; f, *baileyi*; g, *iris*; h, *dromon*; i, *chinensis*; j, *frontierii*; k, *lihongxingi*; l, *akbar*.

Pandima watsoni : Moore, [1893]: 89–90, pl. 113, fig. 4c ♀ (dsf, UN)[? recte ♂](in part). Toungoo, Karen Hills.

Ypthima watsoni : Elwes & Edwards, 1893: 47, pl. 1, fig. 25 (♂ genitalia). Karen Hills.

Ypthima watsonii (sic) : Watson, 1897: 649–650 (dsf)(in part). Toungoo, Karen Hills.

Ypthima akbar Talbot, 1947 : 324. Holotype ♂, Karen Hills, Burma (BMNH).

Ypthima akbar : Cantlie & Norman, 1959: 67, text-fig. 4 (♂ genitalia)(wsf). Shewymin, Burma.

Ypthima pandocus (*watsoni*) : Lekagul et al., 1977: 58, 59 (= pl. 29), fig. 134(dsf). Thailand.

Ypthima akbar : Aoki & Uémura, 1984: 88–90, figs. 18 (wing vanation & male fore leg), 19 (♂ genitalia), 41 ♂ (dsf, UP & UN). Northern Thailand: Tam Tab Tao; Chiang Dao; Muang Ngai. Eastern Thailand: Nam Nao.

Ypthima akbar : Eliot, 1988, in Pinratana: 35, 54, pl. 35, fig. 101 ♂. Thailand: Chiang Mai.

Ypthima akbar : Motono & Negishi, 1989: 66, pl. 91, figs. 5 ♂ (UP), 6 ♂ (UN). Laos: Nam Moh; Luang Prabang.

Ypthima akbar : Osada et al., 1999: 211. Laos.

Ypthima akbar : Huang & Xue, 2004: 141. Ye-xiang-gu, S. Yunnan.

Ypthima akbar : Uémura, 2005: 3, figs. 15 (distribution map), 38 ♂ (UP & UN). Laos: Boun Neua.

Ypthima akbar : Uémura, 2006: 8. Laos: Boun Neua.

Ypthima tarba : Ek-Amnuay, 2006: pl. 122, ♂, ♂ UN, ♂, ♂ UN. Thailand.

Ypthima akbar : Ek-Amnuay, 2006: 304, pl. 125, ♂, ♂ UN. Thailand: Chiang Mai; Wiang Pa Pao.

Ypthima akbar : Ek-Amnuay, 2012: 304, pl. 125, ♂, ♂ UN, ♂ (Wiang Pa Pao), ♂ UN (Wiang Pa Pao). Thailand: Chiang Mai; Wiang Pa Pao.

Ypthima akbar : Kimura et al., 2016: 202, figs. ♂ (Nan), ♂ UN(Nan), ♀ (Khun Lao Villege), ♀ UN(Khun Lao Villege), 257 (synonymic list). Thailand: Khun Lao Villege; Nan Prov.

所検標本. 11 ♂♂.

特徴. ♂の發香鱗はまったく欠く。

変異. 雨季型と乾季型が知られる。乾季型の後翅裏面の眼状紋は退化して点状となる。

前翅長：♂, 18–21 mm.

地理的分布. ミャンマー, タイ, ラオス, 中国西部(雲南省).

分布記録. 中国雲南省 Yunnan: 西双版納 Xishuangbanna, 1 ♂. ラオス Laos: Boun Neua, 1 ♂; Luang Prabang (Motono

and Negishi, 1989); Nam Moh (Motono and Negishi, 1989). タイ Thailand: Tam Tab Tao, 2 ♂♂; Chiang Dao, 1 ♂; Chiang Mai (Ek-Amnuay, 2006); Muang Ngai, 4 ♂♂; Wiang Pa Pao (Ek-Amnuay, 2012); Khun Lao Villege (Kimura et al., 2016); Nan Prov (Kimura et al., 2016); Nam Nao, 2 ♂♂. ミャンマー Myanmar(Burma): Shewymin (Cantlie and Norman, 1959); Shin Taung Mt., near Lashio, Shan State, 1 ♂.

引用文献

- Aoki, T. and Uémura, Y., 1984. Studies on the genus *Ypthima* (Lepidoptera: Satyridae) in Thailand. *Tokurana*, (6/7): 71–102, pl. 5 (= p. 103).
- 青山潤三 [Aoyama, J.], 1998. 中国のチョウ. 東海大学出版会, 東京, xvii + 392 p.
- Bingham, C. T., 1905. *The Fauna of British India, including Ceylon and Burma. Butterflies I (Edn. I)*. Taylor and Francis, London, 22 + 511 p., 10 pls., 94 text-figs.
- Butler, A. G., 1874. Descriptions of four new Asiatic Butterflies. *Cistula ent.*, 1: 235–236.
- Cantlie, K. and Norman, T., 1959. Notes on the Butterfly genus *Ypthima*. *J. Bombay nat. Hist. Soc.*, 56: 66–71.
- Chou, I., Chang, B. -S., Huang, B. -K., Huang, R. -X., Li, C. -L., Li, Y. -X., Liu, S. -K., Qian, X. -C., Tong, X. -S., Wang, Z. -G. and Wu, X. -F., 1994. *Monographia Rhopalocerorum Sinensium*. Henan Scientific and Technological Publishing House, Zhengzhou, 7 + 18 + 854 p. (In Chinese.)
- Draeseke, J., 1925. Die Schmetterlinge der Stotznerschen Ausbeute. 3. *Dt. ent. Z. Iris*, 39: 48–57.
- Ek-Amnuay, P., 2006. *Butterflies of Thailand*. Amarin Printing and Publishing, Bangkok, 868 p., including 388 pls.
- Ek-Amnuay, P., 2012. *Butterflies of Thailand. 2nd and revised edition*. Amarin Printing and Publishing, Bangkok, 944 p., including 420 pls.
- Eliot, J. N., 1988. 6. Satyridae, Libytheidae and Riodinidae. Pinratana, A. (ed.), *Butterflies in Thailand*, Viratham Press, Bangkok, x + 61 p., 44 pls.
- Elwes, H. J., 1891. On butterflies collected by Mr. W. Doherty in the Naga and Karen Hills and in Perak. Part 1. *Proc. zool. Soc. Lond.*, 1891: 249–289, pl. 27.
- Elwes, H. J. and Edwards, J., 1893. A revision of the genus *Ypthima*, with especial reference to the characters afforded by the male genitalia. *Trans. ent. Soc. Lond.*, 1893: 1–54, pls. 1–3.
- Evans, W. H., 1932. *The Identification of Indian Butterflies. Edn. 2*, Bombay Natural History Society, Madras, 10 + 454 p., 32 pls.

- Forster, W., 1948. Beiträge zur Kenntnis der ostasiatischen *Ypthima*-Arten (Lep. Satyrid.). *Mitt. münchen. ent. Ges.*, **34**: 472–492, pls. 30–33.
- Fruhstorfer, H., 1911. Gattung *Ypthima*. Seitz, A. (ed.), *Die Gross-Schmetterlinge der Erde (2): Indo-australischen Tagfalter*, Alfred Kernen, Stuttgart, 286–294, pl. 99.
- Huang, H., 2001. Report of H. Huang's 2000 expedition to SE. Tibet for Rhopalocera (Insecta, Lepidoptera). *Neue Entomologische Nachrichten*, **51**: 65–133, pls. 1–9.
- Huang, H., 2003. A list of butterflies collected from Nujiang (Lou Tse Kiang) and Dulongjiang, China with descriptions of new species, new subspecies, and revisional notes. *Neue Entomologische Nachrichten*, **56**: 3–114, pls. 1–9.
- Huang, H. and Wu, C.-S., 2003. New and little known Chinese butterflies in the collection of the Institute of Zoology, Academia Sinica, Beijing – 1 (Lepidoptera, Rhopalocera). *Neue Entomologische Nachrichten*, **56**: 115–143, pls. 10, 11.
- Huang, H. and Xue, Y.-P., 2004. A contribution to the butterfly fauna of Southern Yunnan (Lepidoptera, Rhopalocera). *Neue Entomologische Nachrichten*, **57**: 135–154, pl. 11.
- Kimura, Y., Aoki, T., Yamaguchi, S., Uémura, Y. and Saito, T., 2016. *The Butterflies of Thailand based on Yunosuke Kimura Collection*, 3. *Nymphalidae*, Mokuyosha, Tokyo, 266 p. (In Japanese and English.)
- 小岩屋 敏 [Koiwaya, S.], 1980. 中国における我々の蝶類採集リスト (1979). Koiwaya, S. (ed.), *Report of the first entomological expedition to China, 1979*, Japan and China Entomological Society, Tokyo, 18–33, pls. 1–4.
- Koiwaya, S., 1989. Report on the second entomological expedition to China, 1980. Koiwaya, S. (ed.), *Studies of Chinese Butterflies 1. Hexapoda*, Tokyo, 10–35, 51–67, 69–198.
- Lee, C.-L. and Zhu, B.-Y., 1992. *Atlas of Chinese Butterflies*. Shanghai Far Eastern Publishing, Shanghai, 80 + 6 p., 152 pls. (In Chinese.)
- Leech, J. H., 1891. New species of Rhopalocera from Western China. *Entomologist*, **24**, Suppl.: 57–61, 66–68.
- Leech, J. H., 1892, 1894. *Butterflies from China, Japan, and Corea*. R.H. Porter, London, 55 + 681 p., 43 pls. [Published 1892–1894.]
- Lekagul, B., Askins, K., Nabhitabhata, J. and Samruadkit, A., 1977. *Field guide to the butterflies of Thailand*. Association for the Conservation of Wildlife, Bangkok, xx + 262 p.
- Monastyrskii, A. L. and Devyatkin, A. L., 2003. *Butterflies of Vietnam (an illustrated checklist)*. Thong Nhat Printing House, Hanoi, 56 p., 14 pls.
- Moore, F., [1893]–[1896]. *Lepidoptera Indica*. 2. L. Reeve, London, 274 p., 96 pls.
- Motonou, A. and Negishi, N., 1989. *Butterflies of Laos*. Kirihara Shoten, Tokyo, 215 p., including 118 pls.
- Nicéville, L. de, 1897. On new or little-known Butterflies from the Indo- and Austro-Malayan Regions. *J. Asiatic. Soc. Beng.*, (Pt. II), **66**: 543–577, pls. 1–4.
- Oberthür, C., 1884. Lépidoptères du Thibet. *Étud. Ent.*, **9**: 7–22, pls. 1–2.
- Oberthür, C., 1891. Nouveaux Lépidoptères d'Asie. *Étud. Ent.*, **15**: 1–25, pls. 1–3.
- Osada, S., Uémura, Y. and Uehara, J., 1999. *An illustrated checklist of the butterflies of Laos P. D. R.* Mokuyosha, Tokyo, 240 p., including 143 pls.
- Riley, N. D. and Gabriel, A. G., 1924. *Catalogue of the Type Specimens of Lepidoptera in the British Museum. Part 1. Satyridae*. British Museum (Natural History), London, 62 p.
- Seitz, A., 1907. Gattung *Ypthima*. *Die Gross-Schmetterlinge der Erde (1): Palaearktische Fauna (1). Palaearktischen Tagfalter*. Alfred Kernen, Stuttgart, 91–93, pl. 34.
- 瀬藤健一郎 [Seto, K.], 2013. 北京蝶類研究. 1st edition, 自費出版, 東京, 248 p., including 38 pls.
- 鳴 洪, 1988. *Ypthima* 属の系統論 (ジャノメチョウ科). 日本鱗翅学会特別報告, (6) : 69–81.
- Shima, H. and Nakanishi, A., 2007. Notes on some Oriental species of the genus *Ypthima* Hübner (Lepidoptera: Nymphalidae; Satyrinae). *Nature and Human Activities*, **11**: 51–59.
- Shirōzu, T. and Shima, H., 1979. On the natural groups and their phylogenetic relationships of the genus *Ypthima* Hübner mainly from Asia (Lepidoptera: Satyridae). *Sieboldia*, **4**: 231–295, pls. 18–71.
- South, R., 1902. *Catalogue of the collection of Palaearctic Butterflies formed by the late John Henry Leech, and presented to the Trustees of the British Museum by his mother, Mrs. Eliza Leech*. British Museum (Natural History), London, 6 + 229 p., 2 pls., with a portrait.
- South, R., 1913. A list of Butterflies collected by Captain F. M. Bailey in Western China, South-eastern Tibet, and the Mishmi Hills, 1911. *J. Bombay nat. Hist. Soc.*, **22**: 345–365, 598–615.
- Tadokoro, T. and Wang, M., 2016. Butterflies from Northwest Yunnan, China (Part – II) Satyridae and Nymphalidae. *Butterfly Science*, (6): 6–20.
- Talbot, G., 1947. *The Fauna of British India, including Ceylon and Burma. Butterflies 2 (Edn. 2)*. Taylor and Francis, London, 15 + 506 p., 2 pls., 104 text-figs., with a map.
- Tong, X.-S., 1993. *Butterflies fauna of Zhejiang*. Zhejiang Scientific and Technological Publishing House, Hangzhou, 7 + 87 p., 62 pls. (In Chinese.)
- Uémura, Y., 2005. A synonymic list and distribution map portion of "An Illustrated Checklist of the Butterflies of Laos P. D. R." *Bull.*

- Toyosato Mus. Ent.*, (14): 1–8.
- Uémura, Y., 2006. A supplement to a synonymic list and distribution maps for “An Illustrated Checklist of the Butterflies of Laos P. D. R.” *Bull. Toyosato Mus. Ent.*, (15): 1–12.
- Uémura, Y. and Koiwaya, S., 2000. New or little known butterflies of the genus *Ypthima* Hübner (Lepidoptera: Satyridae) from China, with some synonymic notes. Part I. *Futao*, (34): 2–10, pl. 1.
- Uémura, Y. and Monastyrskii, A. L., 2000. Descriptions of two new species of the genus *Ypthima* Hübner (Lepidoptera: Satyridae) from North and Central Vietnam. *Trans. lepid. Soc. Japan*, 51: 150–156.
- Uémura, Y. and Monastyrskii, A. L., 2004. A revisional catalogue of the genus *Ypthima* Hübner (Lepidoptera: Satyridae) from Vietnam. *Bull. Kitakyushu Mus. Nat. Hist. Hum Hist. Ser. A*, 2: 17–45.
- Wang, H. -Y. and Zhao, L., 2000. *Lepidoptera of China. 5, Satyridae*. National Taiwan Museum, Taipei, 9 + 238 p. (In Chinese.)
- Wang, Z. -C., 1999. *Monographia of original colored & size Butterflies of China's Northeast*. Jilin Scientific and Technological Publishing House, Jilin, 318 p. (In Chinese.)
- Wang, Z. -G., Chen, L. -H. and Wang, Z. -Y., 1990. *Henan Dielweizhi*. [Butterfly fauna of Henan.], Henan Scientific and Technological Publishing House, [Zhengzhou.], 5 + 2 + 69 p., 45 pls. (In Chinese.)
- Wang, Z. -G., Niu, Y. and Chen, D. -H., 1998. *Insect Fauna of Henan. Lepidoptera : Butterflies*. Henan Scientific and Technological Publishing House, Zhengzhou, 7 + 7 + 222 p., 88 pls. (In Chinese.)
- Watkins, H. T. G., 1927. Butterflies from N. W. Yunnan. *Ann. Mag. nat. Hist., ser. 9*, 19 : 313–344.
- Watson, E. Y., 1897. Notes on a collection of Butterflies from the North Chin Hills and Upper Chindwin District, Burma. *J. Bombay nat. Hist. Soc.*, 10: 634–687, pl. A.
- Wu, S. -J. and Ma, X. -Y., 2016. *Records of Butterflies in Anhui Province*. Anhui Scientific and Technological Publishing House, Hefei, 5 + 233 p. (In Chinese.)
- Yang, H., Wang, C. -H. and Yu, P., 1994. [Coloured illustrations of the Butterflies of Beijing.] Scientific and Technical Documentation Press, Beijing, 7 + 128 p. (In Chinese.)