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To a study of asiatic Lasiocampidae
3. Short taxonomic notes on *Paralebeda* AURIVILLIUS, 1894
(Lepidoptera)

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Abstract

4 species are recognized up-to-date as members of *Paralebeda* AURIVILLIUS, 1894. *Paralebeda plagifera* sensu HOU 1983 and 1987 is attributed to *Paralebeda femorata* (MÉNÉTRIES, 1858); *Paralebeda plagifera* sensu CHANG 1989 and KISHIDA 1992 to *Paralebeda femorata mirabilis* ssp. nov. (LT: Taiwan). *Paralebeda femorata karmata* ssp. nov. is described from Himalaya and NE Pakistan. The next taxonomic changes are accepted in the *crinodes* / *uniformis* complex: *uniformis* HOLLOWAY is considered only as a subspecies of *crinodes* FELDER, 1868 with establishing a new combination *Paralebeda crinodes uniformis* (HOLLOWAY, 1979) comb. nov., and *Paralebeda crinodes paos* ssp. nov. is described from Hongkong. Small diagnoses are given for all species.

Zusammenfassung

In der vorliegenden Arbeit werden 4 Arten auf ihre Zugehörigkeit zur Gattung *Paralebeda* AURIVILLIUS, 1894 hin geprüft. *Paralebeda plagifera* sensu HOU 1983 und 1987 wird zu *Paralebeda femorata* (MÉNÉTRIES, 1858) gezogen; *Paralebeda plagifera* sensu CHANG 1989 und KISHIDA 1992 wird als neue Unterart, *Paralebeda femorata mirabilis* ssp. nov. (LT: Taiwan), aufgestellt. *Paralebeda femorata karmata* ssp. nov. aus dem Himalaja und aus NO Pakistan und *Paralebeda crinodes paos* ssp. nov. aus Hongkong werden beschrieben. *Paralebeda uniformis* HOLLOWAY, 1979 wird als Unterart von *Paralebeda crinodes* FELDER, 1868 betrachtet, und eine neue Kombination, *Paralebeda crinodes uniformis* (HOLLOWAY, 1979) comb. nov. wird errichtet. Kurze Diagnosen werden für alle Arten gegeben.

Introduction

Some questions and problems dealing with the interpretation of taxonomic statuses and distribution of sole taxa are still open in spite of three attempts to revise the members of that small genus (DE LAJONQUIÈRE 1980; HOLLOWAY 1982, 1987). For decision of these problems this article is devoted.

At present, genus *Paralebeda* AURIVILLIUS, 1894 consists of five asiatic species. HOLLOWAY (1987: 22) also noted, that there is an as yet undescribed species from Luzon but in reality there are about four undescribed species from Indonesia and Philippines. Their descriptions will be published soon after in a separate paper.

This article is arranged in three parts dealing with different species or specific complexes. The author has to note that this division is artificial and adopted only for the aims of this article.

The following abbreviations are accepted in the text for a designation of the museums where the material is deposited: NHMK = Naturhistorisches Museum, Karlsruhe; ZFMK = Zoologisches Forschungsinstitut und Museum Alexander KOENIG, Bonn; ZISP = Zoological Institute of The Russian Academy of Sciences, St. Petersburg; BMNH = The Natural History Museum, London; ZSM = Zoologische Staatssammlung, München; MWM = Museum Th. WITT, München; MNHNP = Muséum National d'Histoire Naturelle, Paris.

1. *Paralebeda plagifera* (WALKER, 1855)

(colour plate, figs 1 ♀, 3 ♂)

Lebeda plagifera WALKER, 1855, List. Spec. Lepid. Insects Colln Br. Mus. 6: 1459-1460. Locus typicus: Nepal. Holotype: ♀ (coll. BMNH).

Odonestis urda SWINHOE, 1915, Ann. Mus. nat. Hist. London (8) 16: 178. Locus typicus: India, Khasia Hills. Holotype: ♂ (coll. BMNH).

Paralebeda urda backi LAJONQUIÈRE, 1980, Z. Arbeitsg. Österr. Entomol. 32 (1/2): 25, ♂, pl. 1D, fig. 6. Locus typicus: China, Kwantung (Canton). Holotype: ♂ (ZFMK). Paratype: ♂, China, Fukien, Amoy (MNHN).

The type-species of the genus.

Differs from other species either in male genitalia structure or in pattern and colouration of forewings. In forewings inner border of forewing's medial loop smooth, without projections or separate spots; tornal spot reduced or very small; coloration very contrasting, a bright silver-blue apical touch is typical. In male genitalia, aedoeagus with short base and long conical top, resembling those of *Paralebeda crinodes* (FELDER, 1868).

Distribution (fig. 1): Northern and Central India, Nepal, Southern and South-east China, Northern Thailand and Northern Vietnam. The species was twice noted from China but as a matter of fact *Paralebeda femorata* (imago and genitalia) were figured (HOU 1983: pl. 146 N 3060 ♀ ♂; HOU 1987: 133 male genitalia, fig. 105, pl. 27, N 23 ♀, 24 ♂ [sic! the legends to plate NN 23 and 24 were confused!]). At the same time both species really occur in China (see "Material"; also HOU 1987a: figs. 17, 19). Was recorded from Nepal by KISHIDA (1992a), but *Paralebeda femorata* was illustrated instead (ibidem: pl. 19, fig. 12). Was listed for Taiwan by CHANG (1989) and by KISHIDA (1992b), but really all these findings are *Paralebeda femorata* bona ssp., described below as *mirabilis* ssp. nov.

Comments: One of the problems in the researches of the *plagifera/femorata*-complex concerns the identity of the type specimen of *plagifera*. It was described on one female but females determination is very difficult or so far impossible for majority species of

the genus. It would be no problem if only *plagifera* inhabits Nepal, from where the type-material originates (this point of view was expressed by Y. DE LAJONQUIÈRE and later by J. HOLLOWAY as "the N.W. Himalayan to Korea range attributed to *plagifera* by LAJONQUIÈRE" - HOLLOWAY 1987: 22). Contrary, both species occur in the Himalayas and it was a success that the female type-specimen (colour plate, fig. 1) really can be attributed only to the taxon called now as *plagifera*.

Material examined: 1 ♀, Nepal (holotype of *Lebeda plagifera* WALKER, Brit. Mus. slide No. 1012, BMNH). - 1 ♂, India, Khasia Hills (HAMILTON), Brit. Mus. slide No. 955 (holotype of *Odonestis urda* SWINHOE, BMNH). - 1 ♂, China, Canton, pr. Kwangtung, 26.V.1921, leg. H. HÖNE (holotype of *Paralebeda urda backi* LAJONQUIÈRE, ZFMK). - 1 ♂, China, Amoy, prov. Fukien, 29.IX.1921, leg. H. HÖNE (paratype of *Paralebeda urda backi* LAJ., MNHN). - 1 ♂, Khasia Hills (BMNH). - 1 ♂, Darjiling (BMNH). - 2 ♂♂, 1 ♀, N-India, Bhimtal, 1500 m, e.o. Mitte Sept. 1979, coll. Dr. LIEDGENS, 14-30.VII.1979 (♂) (ZSM). - 4 ♂♂ 4 ♀♀, N-Indien, Penjab, Bhimtal, 1500 m, ex o. 25.VI.-2.VII.1987, leg. HAUENSTEIN (ZFMK). - 1 ♂, India, Himalaya mont., Bhim Tal, Dist. Naini Tal, 25.IX.1978, leg. SMETACEK (ZSM). - 3 ♂♂, NW India, Sukna, 300 m, 2.VIII.1990, leg. W. THOMAS (MWM). - 3 ♂♂, NW Indien, Darjeeling, 5 km N Kambi. 900 m, 20-30.VII.1990, leg. W. THOMAS (MWM). - 13 ♂♂ 7 ♀♀, India sept., Kumaon-Himalaya, Distr. Naini Tal, Bhimtal, 1500 m, 12-16.II.1988, e.p. coll. Dr. GLEICHAUF (MWM). - 3 ♂♂ 1 ♀, Indien WB, Darjeeling, Rambli, ca. 800 m, 7-8.VIII.1989, leg. W. THOMAS (MWM). - 1 ♂, Indien, Sikkim, Pemayangtse, 2000 m, 23-31.VII.1989, leg. W. THOMAS (MWM). - 1 ♀, Indien, Sikkim, Dzoongri, ca. 3000 m, 26.VII.1989, leg. MEISER & TAMANG (MWM). - 1 ♂ 1 ♀, Bhimtal, 1500 m, Distr. Nainital, Kumaon-Himalaja, e.o. 20.XII.1986, leg. A. HAUENSTEIN (author's coll.). - 1 ♂, India, Calcutta, 1960 (BMNH). - 3 ♂♂, Nepal, Kathmandu Valley, Baymkati, 1300 m, Schlucht, ex l. 19.IX.1967, leg. DIERL & SCHACHT (ZSM). - 2 ♂♂ 1 ♀, Nepal, Kathmandu Valley, Pharping, 1300 m, ex p. 22.IX.1967, leg. DIERL & SCHACHT (ZSM). - 4 ♂♂ 2 ♀♀, Nepal, Kathmandu-Chauni, 1400 m, 4-6.IX.1967, leg. DIERL & SCHACHT (ZSM). - 5 ♂♂ 1 ♀, Nepal, Kathmandu Valley, Godavary, 1600-1800 m, ex l., 7-10.IX.1967, leg. DIERL & SCHACHT (ZSM). - 1 ♂, Nepal, Pokhara, 28°14'n.Br., 83°59'o.L., Leware, 1500 m, 16.IX.1955, leg. F. LOBBICHLER (ZSM). - 2 ♂♂, Nepal, Sun-Kosi-Tal, Tibet, Grenze Kodari 2000 m, M.VIII. 1971, leg. DE FREINA (MWM). - 1 ♂, Central Nepal, Godavari, Mt. Phulchouki, ca. 30 km S Kathmandu, V-VI.1991, 1850 m, ex coll. SCHINTLMEISTER (MWM). - 2 ♂♂, Nepal, Annapurna Himal., Nayapool, 1090 m, 83°47'E, 28°18'N, 2.X.1994, leg. CSORBA & RONKAY (MWM). - 1 ♂ 1 ♀, China, Mokanshan, Prov. Chekiang, VIII.1917, leg. H.HÖNE (ZFMK). - 1 ♂ 1 ♀, China, Thibet, Qinghai-Xizang Plateau (HOU 1987a, figs. 17, 19). - 1 ♀, N-Thailand, Chiangmai, Doi Suthep, 5.X.1989, leg. COTTON (ZFMK). - 3 ♂♂ 2 ♀♀, N. Vietnam, Tuan-giao, 5-10.XI.1994, 21°35'N, 103°25'E, 1200 m, leg. SINJAEV & SIMONOV (MWM). - 1 ♂, Vietnam borealis, VII.1979, Halong, M. HLAVA leg. (ZSM). - 13 ♂♂, N. Vietnam, Tam Dao, 60 NW Hanoi, 21°34'N, 105°20'E, 1200 m, 1-5.V.1993, sek. Wald, leg. SINJAEV & SIMONOV (MWM).

2. *Paralebeda femorata* (MÉNÉTRIÈS, 1858).

Lasiocampa femorata MÉNÉTRIÈS, 1858, Bull. Acad. Imp. Sci. St. Petersburg 17 (24): 218. Locus typicus: [Russian Far East] Amur region. Holotype: ♀ (ZISP).

The species differs easily from other *Paralebeda* first of all by the peculiarities of the male genitalia: aedoeagus (fig. 2) tubular with elongated base, short toothed top and obvious thorn above it. In external characters, it may be confused only with *plagifera*, especially being the specimens of the taiwanic population. For continental populations, clear brown toral spot, considerable weakening of silver-bluish apical touch and presence of an obvious hump-like projection on inner border of forewing's medial loop are characteristic.

Distribution (fig. 3): From Russian Far East (there its distribution was mapped by ZOLOTUHIN 1992), eastern Mongolia (firstly noted from the country, see "Material"), Korea and North-east China over Eastern and Central China and Taiwan to Bhutan, Nepal, northern India, Pakistan and Northern Vietnam. Four subspecies are considered (one of them, from northern Vietnam, Mt. Fan-si-pan, and northern Burma, is as yet undescribed).

2.1. *Paralebeda femorata femorata* (Ménétrières, 1858)
(colour plate, fig. 4 ♂)

Material examined: ♀, Amur (holotype, ZISP). - 2 ♂♂ 1 ♀, Suchanski Rudnik [now is Partizansk, Russia] (ZFMK). - 1 ♂, N-Korea, Umgebung Sel-Shin, 1928, leg. JANKOWSKY (ZFMK). - 1 ♂, [Korea] Choanyi, 25.VII.1928, leg. HÖNE (ZFMK). - 1 ♂, Nord Korea, SE Kungang-san, 17.VII.1985, leg. J. KOZIELEC (MWM). - 2 ♂♂, Mongolia or., Chan heou (ZFMK). - 2 ♂♂, Korea, Prov. Kangwon, Mt. Kungang-san, Hotel Kungang-san, 25.VII.1982, leg. Dr. L. FORRO & Dr. L. RONKAY (MWM). - 2 ♂♂, Korea, Prov. North Pyongann, Mt. Myohyang-san, 13.VII.1982, leg. Dr. L. FORRO & Dr. R. RONKAY (MWM). - 1 ♂ 1 ♀, China, Ost Tien-mu-shan, prov. Chekiang, 5.IX. and 19.VIII.1931, leg. H. HÖNE (ZFMK). - 6 ♂♂, China, West Tien-mu-shan, Prov. Chekiang, 4-2.VIII.1932, leg. H. HÖNE (ZFMK). - 1 ♂, China, Tapaishan im Tsiling, S-Shensi, ca. 1700 m, 10.VIII.1936, leg. H. HÖNE (ZFMK). - 1 ♂ 1 ♀, China, Hoengshan, Prov. Hunan, 10.VIII.1933, leg. H. HÖNE (ZFMK). - 1 ♂, China, Mokanshan, Prov. Chekiang, VIII.1917, leg. H. HÖNE (ZFMK). - 1 ♂ 2 ♀♀, China, Kuling, Kiangsi (ZFMK).

Inner part of forewing's medial zone with obvious hump-like projection. Loop top kegle-shaped bilobated. Some (1-3) white veins presented in the loop. Top of aedeagus flattened weakly and toothed finely, especially dorsal (fig. 4, A, B). Continental subspecies present in South-eastern Russia, Korea, North-eastern and Eastern China.

2.2. *Paralebeda femorata mirabilis* ssp. nov.
(colour plate, figs 2 ♀, 5 ♂)

Holotype: ♂, China, Formosa [Taiwan], Puli, 550 m, VII.1958, H. coll. Dr. R. BENDER (ZFMK).
Paratypes: 5 ♂♂, the same data (ZFMK). - 2 ♂♂, China, Formosa, Puli, III.1958 & VII.1958 (MWM). - 2 ♂♂, China, Formosa, Puli, 550 m, VIII.1958 (H.) (ZSM). - 1 ♂, China, Formosa, Wushai, 1450 m, VII.1958 H. coll. Dr. R. BENDER (NHMK). - 3 ♂♂, China, Formosa, Wushai, 1450 m, VII.1958 (MWM). - 2 ♂♂, China, Formosa, Wushai, VII.1958 (H.) (ZSM). - 5 ♂♂, Formosa, Juli 1958, Hayasaka vend. (ZSM). - 1 ♂, Formosa, VII.58 (ZSM). - 1 ♀, Formosa, H.J. ELWES, 1912 (BMNH). - 1 ♂, Koannania, Formosa, April 1906 (BMNH). - 7 ♂♂ 2 ♀♀, Taiwan, Prov. Taoyuan, 14 km E of Fushing, 800 m, 121°23'E, 24°50'N, 24.-25.5.1995, leg. M. HREBLAY & P. STÉGER (MWM). - 19 ♂♂, same data, 18.5.1995, leg. M. HREBLAY & P. STÉGER (MWM). - 1 ♂, Taiwan, Prov. Taoyuan, 7 km E of Fushing, 600 m, 121°23'E, 24°49'N, 17.5.1995, leg. M. HREBLAY & P. STÉGER (MWM). - 4 ♂♂, Taiwan, Prov. Taoyuan, 14 km E of Fuhsing, 800 m, 18.V.1995, leg. M. HREBLAY & P. STÉGER (MWM). - 1 ♂, dto., 7 km E of Fuhsing, 600 m, 17.V.1995, leg. M. HREBLAY & P. STÉGER (MWM).

Male: Inner part of forewing's medial zone without obvious hump-like projection, rounded broadly and looks like those of *plagifera*. Loop top rounded. No single or, as exception, one small white vein present in the loop. Top of aedeagus flattened weakly and toothed strongly (figs 2; 4 C). Wingspan 70-72 mm, forewing length 37-38 mm.

Female: Similar to a male but larger, medial loop of its forewings also larger and the hump-like projection of its inner border more expressed. Wingspan of the paratype 104 mm, forewing length 48 mm.

Distribution: As far as known only from Taiwan, where its distribution was mapped by CHANG (1989) as for *Paralebeda plagifera* (WALKER, 1855).

Biology: CHANG (1989) noted a feeding of the caterpillars on *Quercus dentata* and *Quercus acutissima*.

2.3. *Paralebeda femorata karmata* ssp. nov.

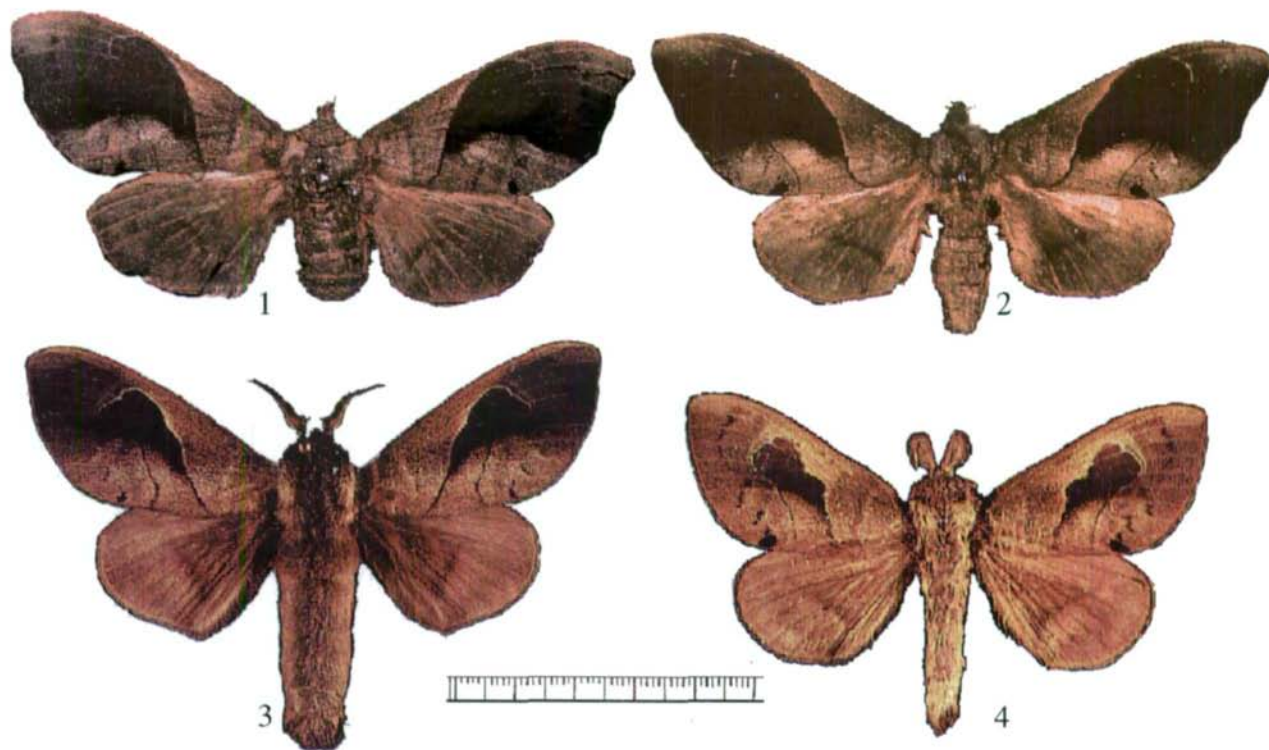
(colour plate, fig. 6 ♂)

Holotype: ♂, Nordwestpakistan, Hazara, Nathiagali, 2400-2600 m, 16.VII.-1.VIII.1979, leg. WEISS (ZSM München, ENr. 10/91, Coll. R. BENDER).

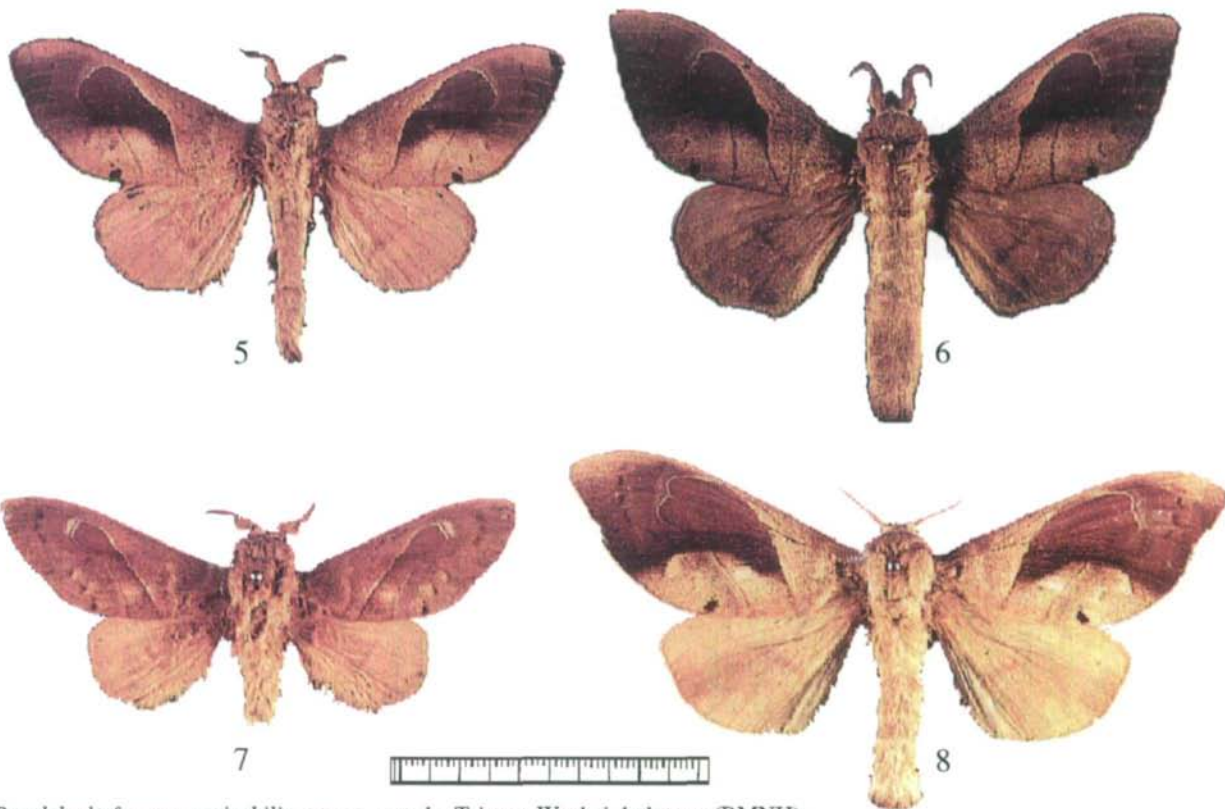
Paratypes: 1 ♀, India, Simla, 7000 ft., A.E. JONES, 1931 (BMNH). - 1 ♂, Sabathu, HARFORD Coll. (BMNH). - 2 ♂♂, Randakeit, NW India, Mansfield (BMNH). - 1 ♂, Darjiling (BMNH). - 2 ♂♂, India, Simla, 7000 ft. A.E. JONES (BMNH). - 8 ♂♂ 1 ♀, Darjiling, F. MÖLLER (BMNH). - 1 ♂, Simla (BMMNH). - 1 ♂, Cherrapunji, Sept.1893 (BMNH). - 1 ♀, Sikkim, 4-7000 ft., MÖLLER (BMNH). - 1 ♀, Sikkim, 24.VII.1898, 4000 ft. (BMNH). - 1 ♀, Darjeeling, July 1886, H. ELWES (BMNH). - 1 ♀, Sikkim, 2.VII.1889, J.G. PILCHER (BMNH). - 1 ♂, Bhutan, 10.6.89, J.G. PILCHER (BMNH). - 2 ♀♀, Bhutan, 2. & 10.VII.1889, J.G. PILCHER (BMNH). - 4 ♀♀, Khasia Hills, Assam (BMNH). - 1 ♂, SW. Himalaya, Indus-Kohistan, 3000 m, Juli 1974, leg. Ing. FLAUGER (Prep. BEND. 11-79, Y. DE LAJONQUIERE, *Paralebeda plagifera* WALKER, (Y. DE LAJONQUIERE det.) Genitalprp. No. Sp 1259 (ZSM). - 1 ♂, Indien, Himachal Pradesh, Kullu-valley, Nagar, 1750 m, 28-30.VIII.1994, leg. P. KAUTT & V. WEISZ (author's coll.). - 1 ♂ 1 ♀, Nordwestpakistan, Hazara, Nathiagali, 2400-2600 m, 16.VII.-1.VIII.1979, leg. WEISS (ZSM). - 2 ♂♂, N-Pakistan, NW-Frontier, Murree 1700 m, 18.VII.1979, leg. W. THOMAS (ZSM). - 1 ♀, Nepal, Prov. Nr. 3 East, Junbesi 2750 m, 25-31-VII.1964, leg. W. DIERL (ZSM). - 2 ♂♂, Nepal, Prov. Nr. 2 East, Jiri 2000 m, 12. & 13.VIII.1964, leg. W. DIERL (ZSM). - 3 ♂♂, Nepal, Solu Khumbu Himal., 10 km. S. of India, Bupsa, 2300 m, 3.VII.1993, leg. M. HREBLAY & G. RONKAY (MWM). - 3 ♂♂, Central Nepal, Godavari, Mt. Phulchouki, ca. 30 km S Kathmandu, May-June 1991, 1850 m, ex coll. SCHINTLMEISTER (MWM). - 5 ♂♂, Pakistan, SW-Himalaya, Indus-Kohistan, Kaghan-Tal, Shinu, 17-2200 m, 7-8.VIII.1977, leg. DE FREINA (MWM). - 2 ♂♂, Pakistan, Himalaya Mts., 2400 m, Kaghan valley, 20 km NE Balakot, Tathabaya, 73 25'E, 34 41'N, 27.VII.1994, leg. B. HERCZIG & al. (MWM). - 2 ♂♂, Nord-Pakistan, Shogran, 3000 m, 11.VIII.1974, leg. FLAUGER (MWM). - 5 ♂♂, N-Pakistan, NW-Frontier, Nathia Gali 2300 m, 28.VII.-2.VIII.1979, leg. Dr. W. THOMAS (MWM). - 1 ♂, NW India, Manjitar, 20.VII.-1.VIII. 1990, leg. W. THOMAS (MWM). - 1 ♂, Sikkim, Pemayangtse, 2000 m, 23-28.VII.1990, leg. W. THOMAS (MWM). - 1 ♂, Indien WB, 1800 m, Darjeeling, Mangpu-road, 11.VII.1986, leg. W. THOMAS (MWM). - 1 ♂, Indien WB, Darjeeling, 2000 m, 17-22.VII.1989, leg. W. THOMAS (MWM). - 1 ♂, Indien, Sikkim, Pemayangtse, 2000 m, 23-31.VII.1989, leg. W. THOMAS (MWM). - 9 ♂♂, Nepal, Annapurna Himal, 1 km NW Chitre, 2300 m, 83°41'E, 28°25,5'N, 23.VII.1995, leg. Gy. M. LASZLO and G. RONKAY (MWM). - 14 ♂♂, Nepal, Annapurna Himal, between Nangethanti and Ghorepani, 2600 m, 83°42,5'E, 28°23,5'N, 24.VII.1995, leg. Gy. M. LASZLO & G. RONKAY (MWM). - 2 ♂♂, Nepal, Annapurna Himal, Banthanti village, 2500 m, 83°43'E, 28°22,5'N, 25.VII.1995, leg. Gy. M. LASZLO & G. RONKAY (MWM). - 18 ♂♂, Sikkim, Mt. Kanchenjunga SE, 88°20'E, 27°30'N, 9.-10.VIII.1995, leg. E. AFONIN & V. SINJAEV (MWM). - 2 ♂♂, Nepal, Annapurna Himal, Valley of Kali Gandaki, 2000 m, near Ghasa, 21.VII.1995, Leg. Gy. M. LASZLO & G. RONKAY (MWM). - 9 ♂♂, Nepal, Annapurna Himal, Banthanti village, 2500 m, 25.VII.1995, leg. Gy. M. LASZLO & G. RONKAY (MWM).

Male: Inner part of forewing's medial zone with small but obvious hump-like projection. Loop top rounded. No white veins in the loop. Top of aedeagus flattened weakly and teathed finely, shorter than in other subspecies (fig. 4 D). Wingspan 70-82 mm, forewing length 32-37 mm.

Female with the indistinct loop's projection but inner margin of the loop is rounded broadly. Wingspan 90-115 mm.



1. *Paralebeda plagifera* (Walker, 1855) - female, Nepal, holotype (BMNH).
2. *Paralebeda femorata mirabilis* ssp. n. - female, Taiwan, paratype (BMNH).
3. *Paralebeda plagifera* (Walker, 1855) - male, N. India, Punjab, Bhimtal (ZFMK).
4. *Paralebeda femorata femorata* (Ménétries, 1858) - male, N. Korea, outsk. Sel-Shin. (ZFMK).



5. *Paralebeda femorata mirabilis* **ssp. n.** - male, Taiwan, Wushai, holotype (BMNH).
6. *Paralebeda femorata karmata* **ssp. n.** - male, NW Pakistan, Hazara, Nathiagali, holotype (ZSSM).
7. *Paralebeda crinodes paos* **ssp. nov.** - male, Hongkong, holotype (ZFMK).
8. *Paralebeda crinodes paos* **ssp. nov.** - female, Hongkong, paratype (ZFMK).

Distribution: North-eastern Pakistan, Northern India, Nepal, South-eastern China. One male from Tadjikistan, Dushanbe, Tsuljanazar, 12.VI.1966 is kept in the collection of NHMK. This label is doubtful in the author's opinion so it is not included in the type-series. A mountainous subspecies.

3. *Paralebeda crinodes* (FELDER, 1868)

Opsirhina crinodes FELDER, 1868, Reise Novara, Lep. 2: 7, pl. 84, fig. 3. Locus typicus: erroneously pointed to be Guyana. By HOLLOWAY (1987: 22) proposed to be Java or Bali. Holotype: ♀ (BMNH).

Here this species is considered as to be consisting of three subspecies: nominative one from Java and Bali; ssp. *uniformis* (HOLLOWAY, 1976) comb. nov. from Borneo, Sumatra, Philippines, peninsular Malaysia and *paos* ssp. nov. *Uniformis* is accepted here as a subspecies of *crinodes* because it has only few small distinguishing characters in wing pattern and coloration that cannot be considered as a sign of a specific rank for members of this genus.

3.1. *Paralebeda crinodes paos* ssp. nov.

(colour plate, figs 7 ♂, 8 ♀)

Holotype: ♂, Hongkong, 1905 (ZFMK).

Paratype: 1 ♀, the same data (ZFMK).

Male: Body and background of wings sandy-brown. Upper part of medial loop of the forewings brown; apical silver-blue touch distinct; contrast sandy-yellow spots are presented through all the wing. Wingspan 62 mm. Male genitalia (fig. 5): as illustrated, similar to those of other subspecies.

Female: With more bright and contrast colouration, very similar to females of *crinodes* and *uniformis*. Wingspan 87 mm. Female genitalia were not studied.

Diagnosis: Differs from the males of other subspecies as follows:

- 1 Background of forewings sandy-brown; lower part of medial loop darker than the wing's background; larger (male wingspan 62 mm). Hongkong
..... *Paralebeda crinodes paos* ssp. nov.
- Background of forewings sandy-grey or sandy-brownish; lower part of medial loop not darker than background; smaller (50-58 mm) 2
- 2 Medial loop uniforme. Borneo, Sumatra, Philippines, pen. Malaysia
..... *Paralebeda crinodes uniformis* HOLLOWAY
- Upper part of medial loop obvious darker than lower. Java (and, possibly, Bali)
..... *Paralebeda c. crinodes* FELDER

Biology and praeimaginal phases are unknown.

Distribution: At present it is known only from the type-locality, but perhaps is distributed wider in adjoining regions of China and Northern Vietnam.

The last hitherto known species of this genus, *Paralebeda lucifuga* (SWINHOE, 1892), well differs from other species by small size and by *plagifera*-like pattern of the forewings. It inhabits lowland forests of Sundaland [Sumatra, Borneo, the Philippines (Palawan), Bali] and peninsular Malaysia north to middle Thailand. A note by HOU (1988) on a presence of this species in Xizang belongs most probably to *Paralebeda plagifera* and should be confirmed.



Fig. 1: Distribution of *Paralebeda plagifera* (WALKER, 1855).

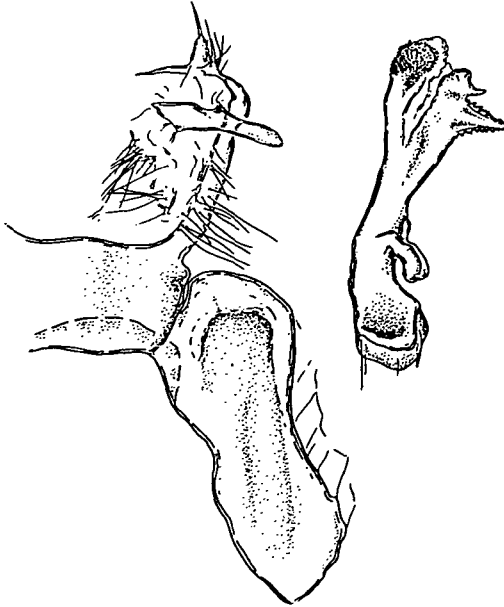


Fig. 2: Male genitalia of *Paralebeda femorata mirabilis* ssp. nov., ventral view and aedeagus extracted.

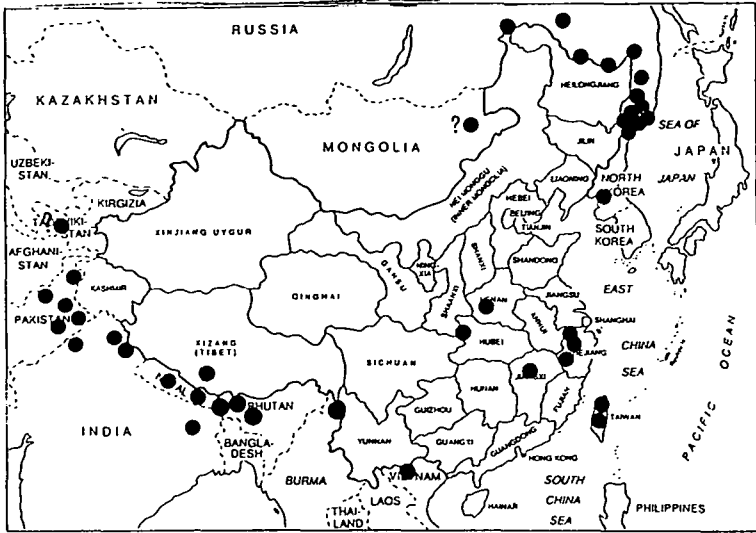


Fig. 3: Distribution of *Paralebeda femorata* (MÉNÉTRIES, 1858).

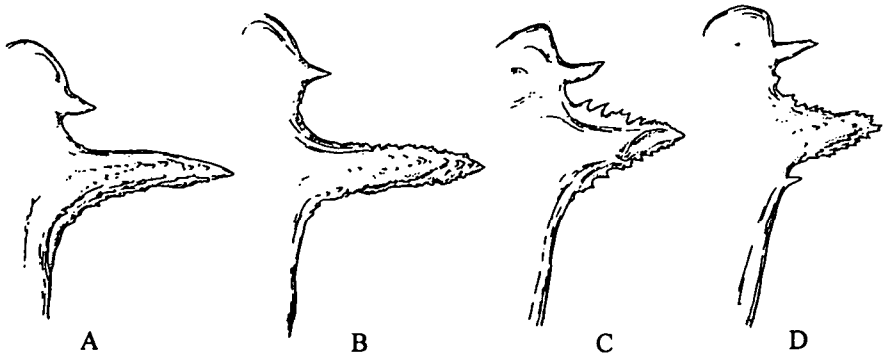


Fig. 4: Tops of aedeagi of *Paralebeda femorata* ssp.: A - *Paralebeda f. femorata* MÈN., China, Chekiang; B - *Paralebeda f. femorata* MÈN., Korea, Chaonyi; C - *Paralebeda f. mirabilis* ssp. nov., Taiwan; D - *Paralebeda f. karmata* ssp. nov., Pakistan.

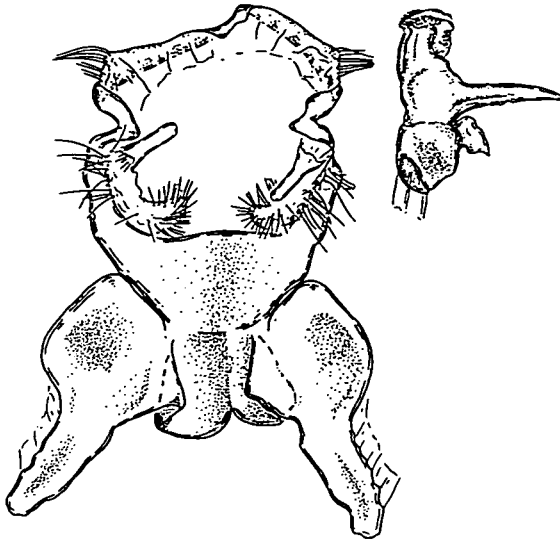


Fig. 5: Male genitalia of *Paralebeda crinodes paos* ssp. nov., ventral view and aedeagus extracted.

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