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Microlepidoptera of Hong Kong: Checklist of Gracillariidae (Lepidoptera: Gracillarioidea)

H. Y. Bai, H. H. Li & R. C. Kendrick

Abstract

A total of twenty-five species are recorded from Hong Kong Special Administrative Region of China, with images of adults provided. Fifteen species are reported for the first time for Hong Kong, and two genera and six species for China. The female of *Gibbovalva singularis* Bai & Li is newly described, with illustration of genitalia. Two previously reported species are regarded as unsubstantiated records.

KEY WORDS: Lepidoptera, Gracillarioidea, Gracillariidae, checklist, new record, Hong Kong, China.

Microlepidoptera de Hong Kong: Listado de Gracillariidae (Lepidoptera: Gracillarioidea)

Resumen

Se incluyen un total de veinticinco especies registradas de Hong Kong Región Administrativa Especial de China, con imágenes de los adultos. Quince especies se registran por primera vez para Hong Kong y dos géneros y seis especies para China. Se ilustra la genitalia de la hembra de *Gibbovalva singularis* Bai & Li, que se describe ahora. Dos especies citadas previamente, se consideran dudosas.

PALABRAS CLAVE: Lepidoptera, Gracillarioidea, Gracillariidae, listado, nuevos registros, Hong Kong, China.

Introduction

The family Gracillariidae is the principal family of plant mining Lepidoptera. Its larvae mine leaves, seeds and stems of plants in about 115 families. It is a modestly sized Lepidoptera family, with more than 1800 species in 98 genera recorded worldwide (DE PRINS & DE PRINS, 2005). About 179 species grouped into 37 genera are known from China. Four species (one unidentified) were reported from Hong Kong Special Administrative Region of China by LEE & WINNEY (1982). A further four species were recorded by CHOONG (1997), with identifications confirmed by KUMATA (CHOONG, 1997). KENDRICK (2002) reported 18 species from Hong Kong, of which only eight were confirmed to species rank and one further species tentatively identified as *Epicephala albifrons* (Stainton, 1859). KENDRICK (2004) listed the same nine identified species and a further 32 unidentified species. DE PRINS & DE PRINS (2005) catalogued nine species in this region, though two of these represent unsubstantiated records. The aim of the present paper is to report 25 species in 14 genera of the family Gracillariidae from Hong Kong, of which two genera and six species are newly recorded from China, and one female is newly reported to science. A summary list is provided in Table 1.

Specimens examined in this study come from the collection of Kadoorie Farm and Botanic Garden, Hong Kong; the Insect Collection, College of Life Sciences, Nankai University, Tianjin and the Insect Collection, College of Agriculture and Biotechnology, China Agricultural University, Beijing.

Checklist of Gracillariidae from Hong Kong

Acrocercops Wallengren, 1881

Ent. Tidschr., **1**(2): 95.

Type-species: *Tinea brongniardella* Fabricius, 1798, *Suppl. Ent. Syst.*, 496.

Acrocercops mantica Meyrick, 1908

Acrocercops mantica Meyrick, 1908a, *J. Bombay nat. Hist. Soc.*, **18**(4): 822.

Acrocercops delographa Meyrick, 1939, *Trans. R. ent. Soc. Lond.*, **89**(4): 60.

Material examined: CHINA: 1 ♂, Heshan, Guangdong Province, 5-XI-2002, G. L. Liu leg.

Host Plants: Fagaceae: *Castanopsis cuspidata* (Thunb.), *C. lamontii* Hance, *C. tribuloides* DC. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Guangdong), Japan, India, Indonesia, Korea, Nepal.

Acrocercops melanoplecta Meyrick, 1908

Acrocercops melanoplecta Meyrick, 1908a, *J. Bombay nat. Hist. Soc.*, **18**(4): 823.

Host Plants: Fagaceae: *Castanopsis cuspidata* (Thunb.), *C. fissa* (Champ. & Benth), *C. hystrix* DC., *C. tribuloides* DC. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Taiwan), Japan, India, Nepal.

Acrocercops unistriata Yuan, 1986 (Fig. 1)

Acrocercops unistriata Yuan, 1986, *Entomotaxonomia*, **8**(1-2): 64.

Material examined: CHINA: 1 ♂, Tai Po Kau Headland, Tai Po, Hong Kong, 50-60 m, 20-IV-2007, H. H. Li *et al.* leg.; 1 ♂, Wuyanling, Taishun County, Zhejiang Province, 930 m, 31-VII-2005, Y. L. Xiao leg.

Host Plants: Fagaceae: *Castanopsis indica* DC., *C. lanata* Smith, *Lithocarpus glaber* (Thunb.), *Quercus acuta* Thunb., *Q. acutissima* Carruth., *Q. glauca* Thunb., *Q. pachyloma* Seem., *Q. phillyraeoides* Gray, *Q. serrata* Thunb., *Q. sessilifolia* Blume (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Guangdong, Taiwan, Zhejiang), Japan, Nepal.

Callicercops Vári, 1961

Transv. Mus. Mem., **12**: 132.

Type-species: *Acrocercops tricerus* Meyrick, 1926, *Ann. S. Afr. Mus.*, **23**: 340.

Callicercops iridocrossa (Meyrick, 1938) (Fig. 2)

Acrocercops iridocrossa Meyrick, 1938: *In* Caradja & Meyrick, *Dt. ent. Z. Iris*, **52**: 21.

Callicercops yakusimensis Kumata & Kuroko, 1988, *In* Kumata, Kuroko & Ermolaev, 1988a, *Insecta matsum.*, *N. S.*, **38**: 8.

Callicercops iridocrossa: Yuan, 1992, *Tinea*, **13**: 207.

Material examined: CHINA: 1 ♂, Kadoorie Farm and Botanic Garden [Butterfly Garden], 350 m, 12-IX-2003, R. C. Kendrick leg.; 1 ♀, Zhubalong, Batang County, Sichuan Province, 2500 m, 11-VII-2001, H. H. Li & X. P. Wang leg.; 1 ♂, 1 ♀, Hudiequan, Dali, Yunnan Province, 2030 m, 2-VIII-2005, 1 ♂, Botanical Garden for Rare Plants, Ruili, Yunnan Province, 1000 m., 5-VIII-2005, Y. D. Ren leg.; 1 ♀, Zhongdian County, Yunnan Province, 3150 m, 14-VII-2001, H. H. Li & X. P. Wang leg.

Host Plant: Fabaceae: *Bauhinia japonica* Maxim (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Sichuan, Yunnan), Japan.

Caloptilia Hübner, [1825] 1816

Verz. bekannt. Schmett.: 427.

Type-species: *Tinea stigmatella* Fabricius, 1781, *Spec. Insect.*, **2**: 297.

Caloptilia aurifasciata Kumata, 1982 (Fig. 3)

Caloptilia (Caloptilia) aurifasciata Kumata, 1982, *Insecta matsum.*, N. S., **26**: 55.

Material examined: CHINA: 1 [abdomen missing], Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 200 m, 14-VIII-1997, R. C. Kendrick leg.; 2 ♂♂, Wuyanling Taishun County, Zhejiang Province, 680 m, 2-VIII-2005, Y. L. Xiao leg.; 1 ♂, 1 ♀, Mt. Daiyun, Dehua County, Fujian Province, 850 m, 14-15-IX-2002, X. P. Wang leg.; 1 ♂, Huaping, Guangxi Province, 950 m, 6-VIII-2006, W. C. Li leg.; 1 ♂, Nancha River, Bawangling, Hainan Province, 600 m, 10-VI-2007, 1 ♂, Mt. Jianfeng, Hainan Province, 940 m, 6-VI-2007, Z. W. Zhang & W. C. Li leg.

Host Plants: Anacardiaceae: *Toxicodendron succedaneum* (Linn.), *T. sylvestre* (Siebold & Zucc.) (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Fujian, Guangxi, Hainan, Zhejiang), Japan, Malaysia, Thailand.

Notes: In Hong Kong, this species occurs between 90 m and 350 m elevation in secondary forest; adults have been recorded at mercury vapour light from June through August, October and December.

Caloptilia celtidis Kumata, 1982 (Fig. 4)

Caloptilia (Caloptilia) celtidis Kumata, 1982, *Insecta matsum.*, N. S., **26**: 76.

Material examined: CHINA: 1 ♂, Kadoorie Farm and Botanic Garden, Hong Kong, 340-455 m, 14-IV-2007, H. H. Li *et al.* leg.; 1 ♂, Qingliangfeng, Linan, Zhejiang Province, 900 m, 11-VIII-2005, Y. L. Xiao leg.; 1 ♂, Chanyuan Temple, Mt. Tianmu, Zhejiang Province, 350 m, 20-VIII-1999, H. H. Li *et al.* leg.; 2 ♂♂, Huoshan County, Anhui Province, 12-VIII-2004, J. S. Xu & J. L. Zhang leg.; 2 ♂♂, Panlong, Ganzhou, Jiangxi Province, 28-VII-2006, J. S. Xu & W. C. Li leg.; 4 ♂♂, 3 ♀♀, Hui County, Henan Province, 780 m, 12-14-VII-2002, X. P. Wang leg.; 1 ♂, Wujiashan, Yingshan County, Hubei Province, 7-VII-2008, Y. L. Xiao leg.; 1 ♂, Zhangjiajie, Hunan Province, 650 m, 7-VIII-2001, H. H. Li & X. P. Wang leg.; 2 ♂♂, Xinhua County, Hunan Province, 4-8-VIII-2004, Y. L. Xiao leg.; 1 ♂, Wanning, Hainan Province, 5-VIII-2008, B. B. Hu & L. Zhang leg.; 1 ♂, Linjiang, Xishui, Guizhou Province, 500 m, 24-IX-2000, H. L. Yu leg.; 1 ♂, Ningshan County, Shannxi Province, 880 m, 11-VIII-1987, H. H. Li leg.; 2 ♂♂, Bifenggou, Wen County, Gansu Province, 860 m, 9-VII-2005, H. L. Yu leg.; 1 ♂, Tianshui, Gansu Province, 1331 m, 29-VII-2006, X. P. Wang & X. F. Shi leg.

Host Plants: Ulmaceae: *Celtis jessoensis* Koidz., *C. sinensis* Persoon (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Anhui, Gansu, Guizhou, Hainan, Henan, Hubei, Hunan, Jiangxi, Shannxi, Sichuan, Zhejiang), Japan.

Caloptilia protielle (Deventer, 1904) (Fig. 5)

Gracilaria (sic) protielle Deventer, 1904a, *Tijdschr. Ent.*, **47**(1): 25.

Gracilaria (sic) corollata Meyrick, 1933, *Exot. Microlepidopt.*, **4**(12): 362.

Caloptilia (Timodora) elongata Kumata, 1982, *Insecta matsum.*, N. S., **26**: 98.

Caloptilia protielle: Yuan & Robinson, 1993, *Bull. nat. Hist. Mus. Lond. (Ent.)*, **62**(1): 19.

Material examined: CHINA: 2 ♂♂, Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 200 m, 22-29-VIII-1998, R. C. Kendrick leg.; 2 ♂♂, Mt. Jiulian, Jiangxi Province, 21-VII-2006, J. S. Xu & W. C. Li leg.; 2 ♂♂, Heshan, Guangdong Province, 20-IX-2002, G. L. Liu & B. L. Zhang leg.; 1 ♂, Mt. Jianfeng, Hainan Province, 810 m, 2-IV-2008, B. B. Hu & H. Y. Bai; 1 ♀, Mt. Diaoluo, Hainan Province, 940 m, 31-V-2007, Z. W. Zhang & W. C. Li leg.

Host Plants: Anacardiaceae: *Anacardium occidentale* Linn., *Toxicodendron succedaneum* (Linn.), *T. sylvestre* (Siebold & Zucc.); Burseraceae: *Protium javanicum* Burm. f. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Guangdong, Hainan, Jiangxi), India, Indonesia, Japan, Malaysia, Thailand.

Caloptilia recitata (Meyrick, 1918) (Fig. 6)

Gracilaria (sic) recitata Meyrick, 1918, *Exot. Microlepidopt.*, **2**(6): 178.

Caloptilia recitata: Issiki, 1957, *In* Esaki *et al.* (eds.), *Icon. Heteroc. Jap. Col. Nat.*, **1**: 30.

Material examined: CHINA: 1 ♀, Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 200 m, 17-IX-1998, R. C. Kendrick leg.; 1 ♂, Baoxing County, Sichuan Province, 1100 m, 1-VIII-2004, Y. D. Ren leg.; 1 ♂, Mayanghe, Guizhou Province, 430 m, 10-VI-2007, X. C. Du leg.; 1 ♂, Jiangkou County, Guizhou Province, 600 m, 27-VII-2001, H. H. Li & X. P. Wang leg.; 1 ♀, Xiangtan, Hunan Province, 30-VII-2004, Y. L. Xiao leg.; 1 ♂, Linjiang, Xishui, Guizhou Province, 500 m, 3-VI-2000, Y. L. Du leg.

Host Plants: Anacardiaceae: *Cotinus coggygia* Scop., *Rhus javanica* Linn., *Toxicodendron sylvestre* (Siebold & Zucc.), *T. trichocarpum* (Miq.) (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Fujian, Guizhou, Hunan, Jiangxi, Sichuan), India, Japan, Nepal.

Caloptilia rhois Kumata, 1982 (Fig. 7)

Caloptilia recitata: Issiki, 1957, *In* Esaki *et al.* (eds.), *Icon. Heteroc. Jap. Col. Nat.*, **1**: 30. Misidentification.

Caloptilia rhois Kumata, 1982, *Insecta matsum. N. S.*, **26**: 62.

Material examined: CHINA: 1 ♂, Sha Lo Tung, Tai Po, Hong Kong, 225 m, 19-IV-2007, H. H. Li *et al.* leg.; 1 ♀, Mt. Tianmu, Zhejiang Province, 1140 m, 17-VIII-1999, H. H. Li *et al.* leg.; 1 ♀, Yuexi County, Anhui Province, 21-VIII-1995, X. F. Hu leg.; 1 ♂, 1 ♀, Mt. Jiuhua, Anhui Province, 8-VIII-2004, J. S. Xu & J. L. Zhang leg.; 1 ♀, Mt. Wuyi, Fujian Province, 1100 m, VII-28-2008, W. C. Li, Y. L. Sun & H. Y. Bai leg.; 1 ♂, Baotianman, Neixiang County, Henan Province, 1200 m, 10-VIII-2006, H. Zhen & D. H. Kuang leg.; 1 ♂, Baotianman, Neixiang County, Henan Province, 1350 m, 15-VII-1998, H. H. Li leg.; 2 ♂♂, Lichuan, Hubei Province, 700 m, 28-VII-1999, H. H. Li leg.; 7 ♂♂, 1 ♀, Zhangjiajie, Hunan Province, 650 m, 7-11-VIII-2001, H. H. Li & X. P. Wang leg.; 1 ♂, Xinhua County, Hunan Province, 9-VIII-2004, Y. L. Xiao leg.; 1 ♂, 2 ♀♀, Baoxing County, Sichuan Province, 1600 m, 3-VIII-2004, Y. D. Ren leg.; 7 ♂♂, Daozhen County, Guizhou Province, 600 m, 17-18-VIII-2004, 1 ♂, Daozhen County, Guizhou Province, 1370 m, 25-VIII-2004, 1 ♂, Daozhen County, Guizhou Province, 1300 m, 20-VIII-2004, 1 ♀, Daozhen County, Guizhou Province, 1300 m, 19-VIII-2004, Y. L. Xiao leg.; 1 ♀, Yangling, Shannxi, VII-22-1985, H. H. Li leg.; 1 ♂, Tianshui, Gansu Province, VII-30-2006, X. P. Wang & X. F. Shi leg.

Host Plants: Anacardiaceae: *Rhus javanica* Linn., *Toxicodendron succedaneum* (Linn.) (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Anhui, Fujian, Gansu, Guizhou, Henan, Hubei, Hunan, Jiangxi, Shannxi, Sichuan, Zhejiang), Japan, Korea.

Caloptilia syrphetias (Meyrick, 1907) (Fig. 8)

Gracilaria (sic) syrphetias Meyrick, 1907b, *J. Bombay nat. Hist. Soc.*, **17**(3-4): 984.

Gracilaria (sic) zopherotarsa Meyrick, 1936, *Exot. Microlepidopt.*, **5**(1-2): 39.

Caloptilia (Phylloptilia) perseella Kumata, 1982, *Insecta matsum.*, **26**: 93.

Caloptilia syrphetias: Yuan & Robinson, 1993, *Bull. nat. Hist. Mus. Lond. (Ent.)*, **62**(1): 18.

Material examined: CHINA: Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 200 m: 1 ♂, 19-IV-1999, 1 ♂, 5-VIII-1998, 1 ♂, 27-III-1999, 1 ♀, Kadoorie Farm and Botanic Garden, Hong Kong, 330 m, 28-IV-2007, 1 ♀, Tai Tam Tuk Reservoir, Tai Tam Country Park, 50 m, Hong Kong, 7-IV-1999, R. C. Kendrick leg.; Kadoorie Farm and Botanic Garden, Hong Kong: 1 ♀, 210 m, 1 ♂, 1 ♀, 340-455 m, IV-12-2007, H. H. Li *et al.* leg.; 1 ♂, Mt. Daiyun, Dehua County, Fujian Province, 850 m, 14-IX-2002, X. P. Wang leg.; 1 ♂, Hefeng, Hubei Province, 1260 m, 15-VII-1999, H. H. Li leg.; 1 ♂, 1 ♀, Baoxing County, Sichuan Province, 1100-1600 m, 1-2-VIII-2004, Y. D. Ren leg.

Host Plant: Lauraceae: *Persea thunbergii* (Siebold & Zucc.) (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Fujian, Hubei, Sichuan), Brunei, India, Indonesia, Japan, Malaysia, Sri Lanka, Thailand.

Notes: In Hong Kong this species is found in secondary forest up to 450 m elevation and adults have been recorded in March, April, July and August.

Caloptilia teucra (Meyrick, 1933) (Fig. 9)

Gracilaria (sic) teucra Meyrick, 1933, *Exot. Microlepidopt.*, **4**(12): 363.

Caloptilia teucra: Yuan & Robinson, 1993, *Bull. nat. Hist. Mus. Lond. (Ent.)*, **62**(1): 25.

Material examined: CHINA: 1 ♂, Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 200 m, 2-IV-1999, R. C. Kendrick leg.; 2 ♂♂, 1 ♀, Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 210 m, 12-20-IV-2007, H. H. Li *et al.* leg.

Host Plant: Euphorbiaceae: *Bridelia* sp. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong), Indonesia.

Caloptilia theivora (Walsingham, 1891) (Fig. 10)

Gracilaria (sic) theivora Walsingham, 1891, *Ind. Mus. Notes*, **2**(2): 49.

Gracilaria theaevora (sic): Hotta, 1918, *Kontyû-Sekai*, **22**: 234.

Caloptilia theivora: Issiki, 1950, *In* Esaki *et al.* (eds.), *Icon. Ins. Jap.*: 452.

Material examined: CHINA: 1 ♂, Tai Po Kau Headland, Tai Po, Hong Kong, 50-60 m, 20-IV-2007, H. H. Li *et al.* leg.; 7 ♂♂, Mt. Tianmu, Zhejiang Province, 350-500 m, 16-20-VIII-1999, 1 ♂, Lichuan, Hubei Province, 700 m, 30-VII-1999, 1 ♂, 1 ♀, Xianfeng, Hubei Province, 1280 m, 21-VII-1999, 1 ♀, Hefeng, Hubei Province, 1260 m, 15-VII-1999, H. H. Li leg.; 2 ♂♂, 1 ♀, Qingliangfeng, Linan, Zhejiang Province, 900 m, 8-12-VIII-2005, 1 ♂, Daozhen County, Guizhou Province, 1300 m, 20-VIII-2004, Y. L. Xiao leg.; 2 ♂♂, Shunxi, Linan, Zhejiang Province, 420 m, 12-VIII-2007, 1 ♀, Mt. Fengyang, Lishuilongquan, Zhejiang Province, 1470 m, 26-VII-2007, 1 ♂, Wuyanling, Taishun County, 790 m, 2-VIII-2007, Q. Jin leg.; 5 ♂♂, Huoshan County, Anhui Province, 12-VIII-2004, 2 ♂♂, Huangshan, Anhui Province, 5-7-VIII-2004, 1 ♂, Mt. Jiuhua, 8-VIII-2004, J. S. Xu & J. L. Zhang leg.; 1 ♀, Yuexi County, Anhui, 2-VIII-1995, X. F. Hu leg.; 2 ♂♂, 1 ♀, Wuyanling, Taishun County, 930 m, 31-VII-2005, 1 ♀, Mt. Wuyi, Fujian Province, 740 m, 19-V-2004, 1 ♂, Shanghang County, Fu Jian Province, 600 m, 2-VI-2004, 1 ♂, 2 ♀♀, Luoshan County, Henan Province, 350 m, 21-23-V-2000, 1 ♂, Lijiang, Xishui, Guizhou Province, 550 m, 26-IX-2000, 16 ♂♂, 2 ♀♀, Bifenggou, Wen County, Gansu Province, 860 m, 9-14-VII-2005, H. L. Yu leg.; 2 ♂♂, 1 ♀, Mt. Wuyi, Fu Jian Province, 1100 m, 29-31-VII-2008, W. C. Li, Y. L. Sun & H. Y. Bai leg.; 2 ♂♂, Xinhua County, Hunan Province, 8-11-VIII-2004, Y. L. Xiao leg.; 1 ♀, Mt. Badagong, Sangzhi County, Hunan Province, 1250 m, 14-VIII-2001, H. H. Li & X. P. Wang leg.; 19 ♂♂, 13 ♀♀, Heshan, Guangdong, 9-10-X-2002, G. L. Liu & B. L. Zhang; 9 ♂♂, 4 ♀♀, Heshan, Guangdong Province, 5-6-XI-2002, 1 ♀, Heshan, Guangdong Province, 26-VIII-2002, G. L. Liu leg.; 2 ♂♂, Yongfu, Guangxi Province, 160 m, 5-V-2008, H. Zhen & L. Zhang leg.; 1 ♂, Mt. Wuzhi, Hainan Province, 650 m, 15-V-2007, Z. W. Zhang & W. C. Li; 1 ♀, Mt. Jianfeng, Hainan Province, 810 m, 30-III-2008, B. B. Hu & H. Y. Bai leg.; 1 ♀, Lu County, Sichuan Province, 27-VII-1995, Y. X. Zeng leg.; 1 ♂, Daozhen County, Guizhou Province, 1420 m, 22-V-2004, S. L. Hao leg.; 1 ♂, Mayanghe, Guizhou Province, 800 m, 4-X-2007, H. Zhen leg.; 1 ♂, Mt. Fanjing, Guizhou Province, 1300 m, 2-VIII-2001, H. H. Li & X. P. Wang; 1 ♂, Mengyang, Yunnan Province, 1200 m, 20-VIII-2005, Y. D. Reng leg.

Host Plants: Theaceae: *Camellia japonica* Linn., *C. sasanqua* Thunb., *C. theifera* Griff., *Thea sinensis* Linn. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Anhui, Fujian, Gansu, Guangdong, Guangxi, Guizhou, Hainan, Henan, Hubei, Hunan, Jiangxi, Sichuan, Taiwan, Yunnan, Zhejiang), Brunei, India, Indonesia, Japan, Korea, Sri Lanka, Thailand, Vietnam, West Malaysia.

Conopomorpha Meyrick, 1885

N. Z. Jl. Sci., **2**: 592.

Type-species: *Conopomorpha cyanospila* Meyrick, 1885, *N. Z. Jl. Sci.*, **2**: 592.

Conopomorpha cramerella (Snellen, 1904)

Gracilaria (sic) cramerella Snellen, 1904, *In* Deventer, 1904b, *Tijdschr. Ent.*, **46**: 84.

Acrocercops cramerella: Meyrick, 1912a, *In* Wytsman (ed.), *Gen. insect.*, **128**: 47.

Acrocercops hierocosma Meyrick, 1912a, *In* Wytsman (ed.), *Gen. insect.*, **128**: 18.

Conopomorpha cramerella: Bradley, 1985, *Entomologist's Rec. J. Var.*, **97**: 29.

Host Plants: Fabaceae: *Cynometra cauliflora* Linn.; Meliaceae: *Swietenia* sp.; Sapindaceae: *Dimocarpus longan* Lour., *Litchi chinensis* Sonn., *Nephelium lappaceum* Linn., *N. litchi* Cambess, *N. mutabile* Blume, *Pometia pinnata* Frost & Frost; Sterculiaceae: *Cola* sp., *Theobroma cacao* Linn. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong?, Taiwan), Saudi Arabia, Andaman Islands, Brunei, India, Indonesia, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam, Australia, Bismarck Archipelago, New Hebrides, Papua New Guinea, Samoa Islands, Solomon Islands.

Notes: Listed for Hong Kong by DE PRINS & DE PRINS (2005), but with no supporting documentation. BRADLEY (1985) did not specifically mention this species occurring in Hong Kong and all the Hong Kong *Conopomorpha* specimens dissected so far have proven to be *C. sinensis*. As the global distribution of *C. cramerella* includes Taiwan and Vietnam, it is possible that it could occur in Hong Kong. Consequently, the listing of *C. cramerella* by DE PRINS & DE PRINS (2005) must be regarded as unsubstantiated.

Conopomorpha sinensis Bradley, 1986 (Fig. 11)

Conopomorpha sinensis Bradley, 1986, *Bull. ent. Res.*, **76**: 47.

Material examined: CHINA: 1 ♂, 1 ♀, Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 200 m, 23-VIII-1997, 22-VIII-1998, 1 ♀, Mai Po Peter Scott F. S. C. New Territories, Hong Kong, 14-VIII-1994, R. C. Kendrick leg.; 1 ♂, Kadoorie Farm and Botanic Garden, Hong Kong, 340-455 m, 14-IV-2007, H. H. Li *et al.* leg.; 1 ♀, Mt. Wuyi, Fujian Province, 1100 m, 31-VII-2008, W. C. Li, Y. L. Sun Y & H. Y. Bai leg.; 8 ♂♂, 10 ♀♀, Shenzhen, Guangdong Province, 6-VII-2006, S. Y. Jiang leg.; 1 ♂, 1 ♀, Heshan, Guangdong Province, 26-VIII-2002, G. L. Liu leg.; 1 ♂, Mt. Diaoluo, Hainan Province, 70 m, 27-V-2007, Z. W. Zhang & W. C. Li leg.; 4 ♂♂, 37 ♀♀, Wanning, Hainan Province, 100 m, 23-26-VII-2008, B. B. Hu & L. Zhang leg.

Host Plants: Sapindaceae: *Litchi chinensis* Sonn., *Dimocarpus longan* Lour., *Nephelium longana* Cambess; Sterculiaceae: *Theobroma cacao* Linn. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Fujian, Guangdong, Hainan, Taiwan), India, Nepal, Thailand, Vietnam.

Notes: In Hong Kong, post 1993 records have been from, or near, lychee and longan trees or orchard sites up to 450 m elevation, with adults noted at mercury vapour lights in February, March, July, August and October.

Cryptolestica Vári, 1961

Transv. Mus. Mem., **12**: 177.

Type-species: *Acrocercops monodecta* Meyrick, 1912b, *Exot. Microlepidopt.*, **1**(1): 23.

Cryptolestica pasaniae Kumata & Kuroko, 1988

Cryptolestica pasaniae Kumata & Kuroko, 1988, *In* Kumata, Kuroko & Ermolaev, 1988a, *Insecta matsum.*, *N. S.*, **38**: 14.

Host plants: Fagaceae: *Panasia edulis* Makino, *Lithocarpus edulis* (Makino), *Quercus bambusifolia* Hance (DE PRINS & DE PRINS, 2006), *Cyclobalanopsis neglecta* Shottky (CHOONG, 1997).

Distribution: China (Hong Kong), Japan.

Dialectica Walsingham, 1897

Proc. zool. Soc. Lond., **10**: 150.

Type-species: *Gracilaria* (sic) *scalariella* Zeller, 1850, *Stettin ent. Ztg.*, **11**(5): 160.

Eutrichocnemis Spuler, 1910, *Schmett. Eur.*, **2**: 409.

Type-species: *Gracilaria (sic) scalariella* Zeller, 1850, by subsequent designation by Ely, 1918, *Proc. ent. Soc. Wash.*, **19**(1-4): 35.

Notes: *Dialectica* is recorded for the first time in China.

Dialectica geometra (Meyrick, 1916) (Fig. 12)

Acrocercops geometra Meyrick, 1916, *Exot. Microlepidopt.*, **1**: 626.

Material examined: CHINA: 1 ♀, Tai Po Kau Headland, Tai Po, Hong Kong, 50-60 m, 20-IV-2007, H. H. Li *et al.* leg.

Host Plants: Boraginaceae: *Cordia myxa* Roxb., *Ehretia laevis* Roxb., *E. microphylla* Lamk (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong), India, Japan.

Eteoryctis Kumata & Kuroko, 1988

In Kumata, Kuroko & Ermolaev, 1988a, *Insecta matsum.*, *N. S.*, **38**: 22.

Type-species: *Acrocercops deversa* Meyrick, 1922, *Exot. Microlepidopt.*, **2**(18): 563.

Eteoryctis syngamma (Meyrick, 1914) (Fig. 13)

Acrocercops syngamma Meyrick, 1914, *J. Bombay nat. Hist. Soc.*, **23**: 120.

Eteoryctis syngamma: De Prins & De Prins, 2005, In Landry (ed.), *World Catalogue of Insects*, **6**: 184.

Material examined: CHINA: 2 ♂♂, Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 210 m, 12-IV-2007, 1 ♂, Nam Chung, Hong Kong, 135-150 m, 18-IV-2007, H. H. Li *et al.* leg.

Host Plants: Anacardiaceae: *Anacardium occidentale* Linn., *Mangifera indica* Linn. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong), India, Indonesia, Thailand.

Gibbovalva Kumata & Kuroko, 1988

In Kumata, Kuroko & Ermolaev, 1988b, *Insecta matsum.*, *N. S.*, **40**: 3.

Type-species: *Gracilaria (sic) quadrifasciata* Stainton, 1862, *Trans. ent. Soc. Lond.*, (3), **1**(3): 295.

Gibbovalva singularis Bai & Li, 2008 (Figs. 14, 17)

Gibbovalva singularis Bai & Li, 2008, *Orient. Insects*, **42**: 321.

Fore wing length 3.0-4.5 mm. The four white fasciae of fore wing set at the base, basal 1/3, slightly beyond middle and apical 1/3 respectively, the apical one edged with black on both outside and inside; costa of the fuscous fascia situated between the white apical spot and the fourth white fascia, with a white speck at its inside. Other characteristics of adult and the male genitalia see BAI & LI (2008).

Female genitalia (Fig. 17): Apophysis posterioris thicker than and about three times as long as apophysis anterioris. Sterigma absent. Ductus bursae membranous, slightly widened medially. Corpus bursae elongately ellipse-shaped, membranous; signum horn-shaped, densely covered with triangular dentations.

Material examined: CHINA: Holotype: ♂, Chishui Suoluo Nature Reserves, Guizhou Province, 390 m, 29-V-2000, Y. L. Du leg. genitalia slide No. BHY07207. Paratype: 1 ♂, Wuyanling, Taishun County, Zhejiang Province, 680 m, 2-VIII-2005, Y. L. Xiao leg.

Additional material: CHINA: 1 ♂, 1 ♀, Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 200 m, 30-VII-31-X-1998, 1 ♂, Kadoorie Farm and Botanic Garden, Hong Kong, 550 m, 29-IX-2007, R. C. Kendrick leg.; 1 ♂, 1 ♀, Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 210 m, 10-13-IV-2007, H. H. Li *et al.* leg.; 1 ♂, Huoshan County, Anhui Province, 12-VIII-2004, J. S. Xu & J. L. Zhang leg.

Distribution: China (Hong Kong, Anhui, Guizhou, Zhejiang).

Notes: In Hong Kong, this species occurs in secondary forest and feng shui woods up to 550 m

elevation; adults have been recorded at mercury vapour lights in March, April, July, September and October.

Gibbovalva quadrifasciata (Stainton, 1862) (Fig. 15)

Gracilaria (sic) *quadrifasciata* Stainton, 1862, *Trans. ent. Soc. Lond.*, (3), **1**(3): 295.

Gracilaria (sic) *ordinatella* Meyrick, 1880, *Proc. Linn. N. S. W.*, **5**(1): 145.

Conopomorpha ordinatella Meyrick, 1907a, *Proc. Linn. N. S. W.*, **32**: 54.

Acrocercops ordinatella: Meyrick, 1908a, *J. Bombay nat. Hist. Soc.*, **18**: 816.

Gibbovalva quadrifasciata (Stainton): Kumata, Kuroko & Ermolaev, 1988b, *Insecta matsum.*, *N. S.*, **40**: 6.

Material examined: CHINA: 1 ♂, Mai Po Peter Scott Centre, New Territories, Hong Kong, 10 m, 14-VIII-1994, R. C. Kendrick leg.; 1 ♂, 1 ♀, Heshan, Guangdong Province, 26-VII-2002, G. L. Liu leg.; 1 ♀, Heshan, Guangdong Province, 10-X-2002, G. L. Liu & B. L. Zhang leg.; 2 ♂♂, Jinghong, Yunnan Province, 1200 m, 18-20-VII-2005, Y. D. Ren leg.

Host Plants: Lauraceae: *Alseodaphne semecarpifolia* Nees, *Cinnamomum camphora* (Linn.), *C. japonicum* Sieb., *Litsea dealbata* (Brown), *L. monopetala* (Roxb.), *L. japonica* Juss., *Neolitsea polyantha* (Brown), *Persea thunbergii* Kost., *P. americana* Mill., *Phoebe lanceolata* (Nees) (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Guangdong, Taiwan, Yunnan), Australia, Burma, India, Indonesia, Japan, Sri Lanka.

Neolithocolletis Kumata, 1963

Insecta matsum., **26**(1): 21.

Type-species: *Neolithocolletis hikomonticola*, Kumata, 1963, *Insecta matsum.*, **26**(1): 19.

Neolithocolletis pentadesma (Meyrick, 1919)

Lithocolletis pentadesma Meyrick, 1919, *Exot. Microlepidopt.*, **2**(8): 230.

Neolithocolletis pentadesma: Kumata, 1993, *Insecta matsum.*, *N. S.*, **48**: 8.

Host Plants: Fabaceae: *Pterocarpus indicus* Willd., *P. javanicus* (Miq.) (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong?), Indonesia, Malaysia, Philippines, Seychelles.

Notes: Listed by DE PRINS & DE PRINS (2005) as found in Hong Kong, but without reference to any further publication. So this should be regarded as an unsubstantiated record.

Phyllocnistis Zeller, 1848

Linn. Ent., **3**: 250.

Type-species: *Opostega suffusella* Zeller, 1847, *Isis von Oken, Leipzig*, **11**(12): 894.

Phyllocnistis citrella Stainton, 1856

Phyllocnistis citrella Stainton, 1856, *Trans. ent. Soc. London* (2), **3**(8): 302.

Phyllocnistis minutella Deventer, 1904b, *Tijdschr. Ent.*, **46**(2): 87.

Lithocolletis citricola Shiraki, 1913, *Formosa Agric. Exp. Stn. Spec. Rep.*, **8**: 330.

Host plants: Rutaceae: *Aegle marmelos* (Linn.), *Citrofortunella microcarpa* (Bungel), *Citrus aurantifolia* (Christm.), *C. aurantium* Linn., *C. deliciosa* Ten., *C. grandis* (Linn.), *C. histrix* DC., *C. latifolia* Tanaka, *C. limetta* Risso, *C. limon* (Linn.), *C. maxima* (Burm. ex Rumph), *C. medica* Linn., *C. paradisi* Macfad., *C. reticulata* Blanco, *C. sinensis* (Linn.), *C. unschui* Marc., *C. vulgaris* Risso, *C. paradisi* Macfad., *Fortunella crassifolia* Swingle, *F. marginata* (Lour.), *Murraya koenigii* (Linn.), *M. paniculata* (Linn.), *Poncirus trifoliata* (Linn.), *Severinia buxifolia* (Poir.) (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Taiwan). This species is widely distributed in Palearctic, Nearctic, Oriental, Afrotropical and Australasian regions.

Notes: First reported from Hong Kong by SO (1967).

Porphyrosela Braun, 1908

Trans. Amer. Ent. Soc., **34**: 348.

Type-species: *Lithocolletis desmodiella* Clemens, 1859, *Proc. Acad. nat. Sci. Philad.*, 319.

Porphyrosela dorinda (Meyrick, 1912)

Lithocolletis dorinda Meyrick, 1912b, *Exot. Microlepidopt.*, **1**(1): 21.

Porphyrosela dorinda: Kuroko, 1982, *In Inoue et al.* (eds.), *Moths Jap.*, **1**: 202.

Host Plants: Fabaceae: *Calopogonium* spp., *Desmodium gangeticum* (Linn.), *D. heterocarpon* (Linn.), *D. heterophyllum* (Willd.), *D. triflorum* (Linn.), *Pueraria montana* (Lour.), *Uraria lagopus* DC., *U. neglecta* Prain (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Taiwan), Japan, India, Malaysia, Philippines.

Psydrocerops Kumata & Kuroko, 1988

In Kumata, Kuroko & Ermolaev, 1988a, *Insecta matsum.*, *N. S.*, **38**: 30.

Type-species: *Acrocercops wisteriae* Kuroko, 1982, *In Inoue et al.* (eds.), *Moths Jap.*, **1**: 187.

Notes: *Psydrocerops* is recorded for the first time in China.

Psydrocerops wisteriae (Kuroko, 1982)

Acrocercops wisteriae Kuroko, 1982, *In Inoue et al.* (eds.), *Moths Jap.*, **1**: 187.

Psydrocerops wisteriae: Kumata, Kuroko & Ermolaev, 1988a, *Insecta matsum.*, *N. S.*, **38**: 32.

Material examined: CHINA: 1 ♂, Ping Tun, Tai Mong Tsai, Sai Kung, Hong Kong, 140 m, 15-IV-2007, H. H. Li *et al.* leg.; 1 ♂, Gongzhufen, Beijing, 2-VIII-1957, J. K. Yang leg.

Host Plant: Fabaceae: *Wisteria floribunda* (Willd.) (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Beijing), Japan, Russian Far East.

Stomphastis Meyrick, 1912

Meyrick, 1912a, *In Wytzman, Gen. insect.*, **128**: 19.

Type-species: *Acrocercops thraustica* Meyrick, 1908b, *Rec. Indian Mus.*, **2**(4): 398.

Stomphastis polygona Vári, 1961 (Fig. 16)

Stomphastis polygona Vári, 1961, *Transv. Mus. Mem.*, **12**: 90.

Material examined: CHINA: 1 ♂, 1 ♀, debe de decir:

Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 210 m, 9-20-IV-2007, H. H. Li *et al.* leg.; Heshan, Guangdong Province: 7 ♂♂, 17-18-XII-2002, 1 ♀, 6-VIII-2002, 1 ♂, 6-XI-2002, G. L. Liu leg.; 1 ♂, 9-X-2002, G. L. Liu & B. L. Zhang leg.; 1 ♀, Mt. Wuzhi, Hainan Province, 640 m, 20-V-2007, Z. W. Zhang & W. C. Li leg.; 1 ♂, Mengla, Yunnan Province, 20-XI-1987, H. H. Li leg.

Host Plant: Polygonaceae: *Polygonum setosulum* Rich. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Guangdong, Hainan, Yunnan), Zimbabwe.

Systoloneura Vári, 1961

Transv. Mus. Mem., **12**: 34.

Type-species: *Systoloneura randiae* Vári, 1961, *Transv. Mus. Mem.*, **12**: 35.

Systoloneura geometropis (Meyrick, 1936)

Parectopa geometropis Meyrick, 1936, *Exot. Microlepidopt.*, **5**(1-2): 37.

Systoloneura geometropis: Kumata, 1977, *Insecta matsum.*, *N. S.*, **9**: 28.

Material examined: CHINA: 1 ♂, Kadoorie Agricultural Research Centre, Shek Kong, New Territories, Hong Kong, 200 m, 24-III-1999, R. C. Kendrick leg.

Host Plants: Rubiaceae: *Gardenia augusta* (Linn.), *G. jasminoides* Ellis, *G. radicans* Thunb. (DE PRINS & DE PRINS, 2006).

Distribution: China (Hong Kong, Taiwan), Japan.

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Table 1: Summary list of Gracillariidae found in Hong Kong

Species	Notes
<i>Acrocercops mantica</i> Meyrick, 1908	
<i>Acrocercops melanoplecta</i> Meyrick, 1908	
<i>Acrocercops unistriata</i> Yuan, 1986 (Fig. 1)	
<i>Callicercops iridocrossa</i> (Meyrick, 1938) (Fig. 2)	new record for Hong Kong
<i>Caloptilia aurifasciata</i> Kumata, 1982 (Fig. 3)	= Gracillariidae sp. C (KENDRICK, 2002); new record for Hong Kong
<i>Caloptilia celtidis</i> Kumata, 1982 (Fig. 4)	new record for Hong Kong
<i>Caloptilia protiella</i> (Deventer, 1904) (Fig. 5)	= Gracillariidae spp. E & F (KENDRICK, 2002); new record for Hong Kong & China
<i>Caloptilia recitata</i> (Meyrick, 1918) (Fig. 6)	new record for Hong Kong
<i>Caloptilia rhois</i> Kumata, 1982 (Fig. 7)	new record for Hong Kong
<i>Caloptilia syrphetias</i> (Meyrick, 1907) (Fig. 8)	= Gracillariidae sp. G (KENDRICK, 2002); new record for Hong Kong
<i>Caloptilia teucra</i> (Meyrick, 1933) (Fig. 9)	new record for Hong Kong & China
<i>Caloptilia theivora</i> (Walsingham, 1891) (Fig. 10)	new record for Hong Kong
<i>Conopomorpha sinensis</i> Bradley, 1986 (Fig. 11)	
<i>Cryptolectica pasaniae</i> Kumata & Kuroko, 1988	
<i>Dialectica geometra</i> (Meyrick, 1916) (Fig. 12)	new record for Hong Kong & China
<i>Eteoryctis syngramma</i> (Meyrick, 1914) (Fig. 13)	new record for Hong Kong & China
<i>Gibbovalva singularis</i> Bai & Li, 2008 (Figs. 14, 17)	= Gracillariidae sp. D (KENDRICK, 2002); female newly described for science; new record for Hong Kong
<i>Gibbovalva quadrifasciata</i> (Stainton, 1862) (Fig. 15)	
<i>Phyllocnistis citrella</i> Stainton, 1856	
<i>Porphyrosela dorinda</i> (Meyrick, 1912)	
<i>Psydrocercops wisteriae</i> (Kuroko, 1982)	new record for Hong Kong & China
<i>Stomphastis polygona</i> Vári, 1961 (Fig. 16)	new record for Hong Kong & China
<i>Systoloneura geometropis</i> (Meyrick, 1936)	new record for Hong Kong
<i>Conopomorpha cramerella</i> (Snellen, 1904)	unsubstantiated record for Hong Kong
<i>Neolithocolletis pentadesma</i> (Meyrick, 1919)	unsubstantiated record for Hong Kong

BIBLIOGRAPHY

- BAI, H. Y. & LI, H. H., 2008.— A review of the genus *Gibbovalva* (Lepidoptera: Gracillariidae: Gracillariinae) from China.— *Orient. Insects*, **42**: 317-326.
- BRADLEY, J. D., 1985.— A change of generic name for the cocoa moth, *Acrocercops cramerella* (Snellen) (Lep.: Gracillariidae).— *Entomologist's Rec. J. Var.*, **97**: 29-30.

- BRADLEY, J. D., 1986.— Identity of the South-East Asian cocoa moth, *Conopomorpha cramerella* (Snellen) (Lepidoptera: Gracillariidae), with descriptions of three allied new species.— *Bull. ent. Res.*, **76**(1): 41-51.
- BRAUN, A. F., 1908.— Revision of the North American species of the genus *Lithocolletis* Hübner.— *Trans. Am. ent. Soc.*, **34**(4): 269-357, pl. xx-xxiv.
- CHOONG, M.F., 1997.— *Patterns of Herbivory in Tropical Fagaceae*: xiii + 303 pp. Ph.D. thesis, The University of Hong Kong: <http://sunzi.lib.hku.hk/hkuto/record/B31235694> (Hong Kong University Theses Online; accessed 2009-04-05).
- CLEMENS, B., 1859.— Contribution to American Lepidopterology. No. 2.— *Proc. Acad. nat. Sci. Philad.*, 317-328.
- DE PRINS, W. & DE PRINS, J., 2005.— Gracillariidae (Lepidoptera). In B. LANDRY (Ed.).— *World Catalogue of Insects*: 502 pp. Apollo Books, Stenstrup.
- DE PRINS, J. & DE PRINS, W. 2006.— Global Taxonomic Database of Gracillariidae (Lepidoptera). World Wide Web Electronic Publication (<http://gc.bebif.be>).
- DEVENTER, W., 1904a.— Microlepidoptera van Java.— *Tijdschr. Ent.*, **47**(1): 1-42, pls. 1-2.
- DEVENTER, W., 1904b.— Over de ontwikkelings toestanden van eenige Microlepidoptera van Java.— *Tijdschr. Ent.*, **46**(1903)(2): 79-89, pls. 9-10.
- ELY, C. R., 1918.— A revision of the North-American Gracillariidae (sic) from the standpoint of venation.— *Proc. ent. Soc. Wash.*, **19B**(1917)(1-4): 29-77.
- FABRICIUS, J. C., 1781.— *Species insectorum exhibentes eorum differentias specificas, synonyma autorum, loca natalia, metamorphosin adiectis observationibus, descriptionibus. Tom II.*: 494 pp. Impensis Carol. Ernest, Bohnii, Hamburgi et Kilonii.
- FABRICIUS, J. C., 1798.— *Supplementum Entomologiae Systematicae*: 572 pp. Apud Proft et Storch, Hafniae.
- HOTTA, M., 1918.— On a tea leaf roller, *Gracillaria theaeavora* Wlsm.— *Kontyû-Sekai*, **22**: 234.
- HÜBNER, J., 1816-[1826].— *Verzeichniss bekannter Schmettlinge* (sic): 431 pp., pls. 72. Verlag, Augsburg.
- ISSIKI, S. T., 1950.— Gracillariidae. In T. ESAKI et al. (Eds.).— *Iconographia Insectorum Japonicorum* (2nd ed.): 1738 pp. Hokuryukan, Tokyo.
- ISSIKI, S. T., 1957.— Lepidoptera. In T. ESAKI, S. ISSIKI, H. INOUE, A. MUTUURA, M. OGATA & H. OKAGAKI (Eds.).— *Icones Heterocerorum Japonicorum in Coloribus Naturalibus. Part 1.* **21**: 1-318. Hoikusha, Osaka.
- KENDRICK, R. C., 2002.— *Moths (Insecta: Lepidoptera) of Hong Kong*: xvi + 660 pp. Ph. D. thesis, The University of Hong Kong: <http://sunzi.lib.hku.hk/hkuto/record/B30278831> (Hong Kong University Theses Online; accessed 2009-04-05).
- KENDRICK, R. C., 2004.— Checklist of Hong Kong moths. 12-51. In G. W. J. ADES & R. C. KENDRICK (Eds.).— *Hong Kong Fauna: a checklist of selected taxa*: ii + 87 pp. Fauna Conservation Department, Kadoorie Farm and Botanic Garden, Hong Kong.
- KUMATA, T., 1963.— Taxonomic studies on the Lithocolletinae of Japan (Lepidoptera: Gracillariidae) Part II.— *Insecta matsum.*, **26**(1): 1-48.
- KUMATA, T., 1977.— On the Japanese species of the genera *Macarostola*, *Aristaea* and *Systoloneura*, with descriptions of three new species (Lepidoptera: Gracillariidae).— *Insecta matsum.*, *N. S.*, **9**: 1-51.
- KUMATA, T., 1982.— A taxonomic revision of the *Gracillaria* group occurring in Japan (Lepidoptera: Gracillariidae).— *Insecta matsum.*, *N. S.*, **26**: 1-186.
- KUMATA, T., 1993.— A contribution to the knowledge of the Malaysian Lithocolletinae (Gracillariidae, Lepidoptera), with a revision of Indian *Cameraria* associated with Leguminosae.— *Insecta matsum.*, *N. S.*, **48**: 1-85.
- KUMATA, T., KUROKO, H. & ERMOLAEV, V. P., 1988a.— Japanese species of the *Acrocercops*-group (Lepidoptera: Gracillariidae), Part I.— *Insecta matsum.*, *N. S.*, **38**: 1-111.
- KUMATA, T., KUROKO, H. & ERMOLAEV, V. P., 1988b.— Japanese species of the *Acrocercops*-group (Lepidoptera: Gracillariidae), Part II.— *Insecta matsum.*, *N. S.*, **40**: 1-133.
- KUROKO, H., 1982.— Gracillariidae. In H. INOUE, S. SUGI, H. HUROKO, S. MORIUTI & A. KAWABE (Eds.).— *Moths of Japan*, **1**: 1-966. Kodansha, Tokyo.
- LEE, L. H. Y. & WINNEY, R., 1982.— *Check List of Agricultural Insects*: 164 pp. Government Printer, Hong Kong.
- MEYRICK, E., 1880.— Descriptions of Australian micro-lepidoptera III, Tineina.— *Proc. Linn. Soc. N. S. W.*, **5**(1): 132-182.
- MEYRICK, E., 1885.— Descriptions of New Zealand Microlepidoptera. Gelechiidae. VIII. Tineina (part).— *N. Z. Jl. Sci.*, **2**: 589-592.
- MEYRICK, E., 1907a.— Descriptions of Australasian Micro-Lepidoptera XIX, Plutellidae.— *N. Z. Jl. Sci.*, **32**: 47-150.
- MEYRICK, E., 1907b.— Descriptions of Indian Micro-Lepidoptera. III. IV.— *J. Bombay nat. Hist. Soc.*, **17**(3-4): 133-153, 403-417, 730-754, 976-994.

- MEYRICK, E., 1908a.– Descriptions of Indian Micro-Lepidoptera VIII.– *J. Bombay nat. Hist. Soc.*, **18**(4): 806-832.
- MEYRICK, E., 1908b.– New Micro-Lepidoptera from India and Burma.– *Rec. Indian Mus.*, **2**(4): 395-400.
- MEYRICK, E., 1912a.– Lepidoptera Heterocera (Tineae), Fam. Gracilariidae (sic). In P. WYTSMAN (Ed.).– *Genera Insect.*, **128**: 1-36.
- MEYRICK, E., 1912b.– *Exot. Microlepidopt.*, **1**(1): 1-32.
- MEYRICK, E., 1914.– Descriptions of Indian Micro-Lepidoptera XVIII.– *J. Bombay nat. Hist. Soc.*, **23**(1): 118-130.
- MEYRICK, E., 1916.– *Exot. Microlepidopt.*, **1**(20): 609-640.
- MEYRICK, E., 1918.– *Exot. Microlepidopt.*, **2**(6): 161-192.
- MEYRICK, E., 1919.– *Exot. Microlepidopt.*, **2**(8): 225-256.
- MEYRICK, E., 1922.– *Exot. Microlepidopt.*, **2**(18): 545-576.
- MEYRICK, E., 1926.– New South African Micro-Lepidoptera.– *Ann. S. Afr. Mus.*, **23**(2): 325-351.
- MEYRICK, E., 1933.– *Exot. Microlepidopt.*, **4**(12): 353-384.
- MEYRICK, E., 1935.– *Exot. Microlepidopt.*, **4**(19): 577-608.
- MEYRICK, E., 1936.– *Exot. Microlepidopt.*, **5**(1-2): 1-64.
- MEYRICK, E., 1938.– Microlepidoptera excl. Pyralidae. In A. CARADJA & E. MEYRICK.– Materialien zu einer Mikrolepidopterenfauna des Yülingshanmassivs (Prov. Yunnan).– *Dt. ent. Z. Iris*, **52**: 1-29.
- MEYRICK, E., 1939.– New Microlepidoptera, with notes on others.– *Trans. R. ent. Soc. Lond.*, **89**(4): 47-62.
- SHIRAKI, T., 1913.– Investigations upon general insect pests.– *Formosa Agric. Exp. Stn. Spec. Rep.*, **8**: 1-670.
- SO, P. Y., 1967.– A preliminary list of the insects of agricultural importance in Hong Kong.– *Agriculture Fish. Dep., Hong Kong Agric. Bull. No. 1*.
- SPULER, A., 1910.– *Die schmetterlinge Europas*, **2**: 1-523. Schweizerbarthsche Verlagshandlung, Stuttgart.
- STAINTON, H. T., 1856.– Descriptions of three species of Indian Micro-Lepidoptera.– *Trans. ent. Soc. Lond.*, *N. S.* (ser. 2), **3**(8): 301-304.
- STAINTON, H. T., 1859.– Descriptions of twenty-five species of Indian Micro-Lepidoptera.– *Trans. ent. Soc. Lond.*, *N. S.* (ser. 2), **5**(3): 116-126.
- STAINTON, H. T., 1862.– Descriptions of nine exotic species of the genus *Gracilaria* (sic).– *Trans. ent. Soc. Lond.* (series 3), **1**(3): 291-300.
- VÁRI, L., 1961.– South African Lepidoptera. Vol. 1. Lithocolletidae.– *Transv. Mus. Mem.*, **12**: 1-238.
- WALLENGREN, H. D. J., 1881.– Genera nova Tinearum.– *Ent. Tidskr.*, **1**(2): 94-97.
- WALSINGHAM, T. DE GREY., 1891.– A new species of Tineidae. (*Gracilaria theivora* Wlsm., sp. nov.).– *Indian Mus. Notes*, **2**(2): 49-50.
- WALSINGHAM, T. DE GREY., 1897.– Revision of the West-Indian Micro-Lepidoptera with descriptions of new species.– *Proc. zool. Soc. Lond.*, **10**: 54-183.
- YUAN, D. & ROBINSON, G. S., 1993.– *Caloptilia* leaf-miner moths (Gracillariidae) of South-East Asia.– *Bull. nat. Hist. Mus. (Ent. Ser.)*, **62**(1): 1-37.
- YUAN, D., 1986.– Two new species of the genus *Acrocercops* Wallengren from China.– *Entomotaxonomia*, **8**(1-2): 63-66.
- YUAN, D., 1992.– Nine synonyms of Gracillariidae (Lepidoptera) involving species described by Edward Meyrick.– *Tinea*, **13**(19): 205-208.
- ZELLER, P. C., 1847.– Bemerkungen über die auf einer Reise nach Italien und Sicilien beobachteten Schmetterlingsarten X.– *Isis von Oken*, **11**(12): 881-904.
- ZELLER, P. C., 1848.– Die Gattungen der mit Augendeckeln versehenen blattminirenden Schaben.– *Linn. ent.*, **3**: 248-344.
- ZELLER, P. C., 1850.– Verzeichniss der von Herrn Jos. Mann beobachteten Toscanischen Microlepidoptera.– *Stettin. ent. Ztg.*, **11**(5): 139-162.

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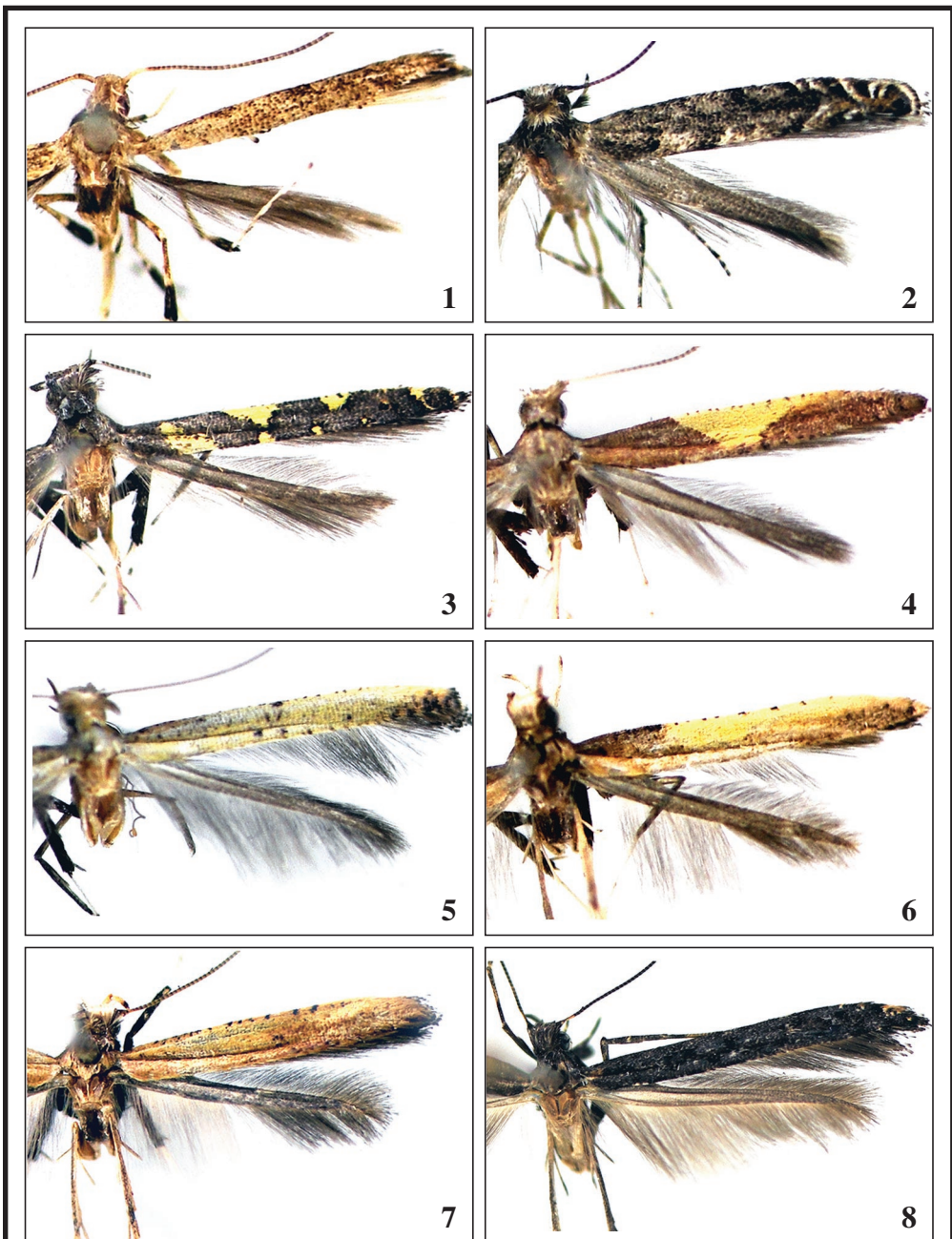
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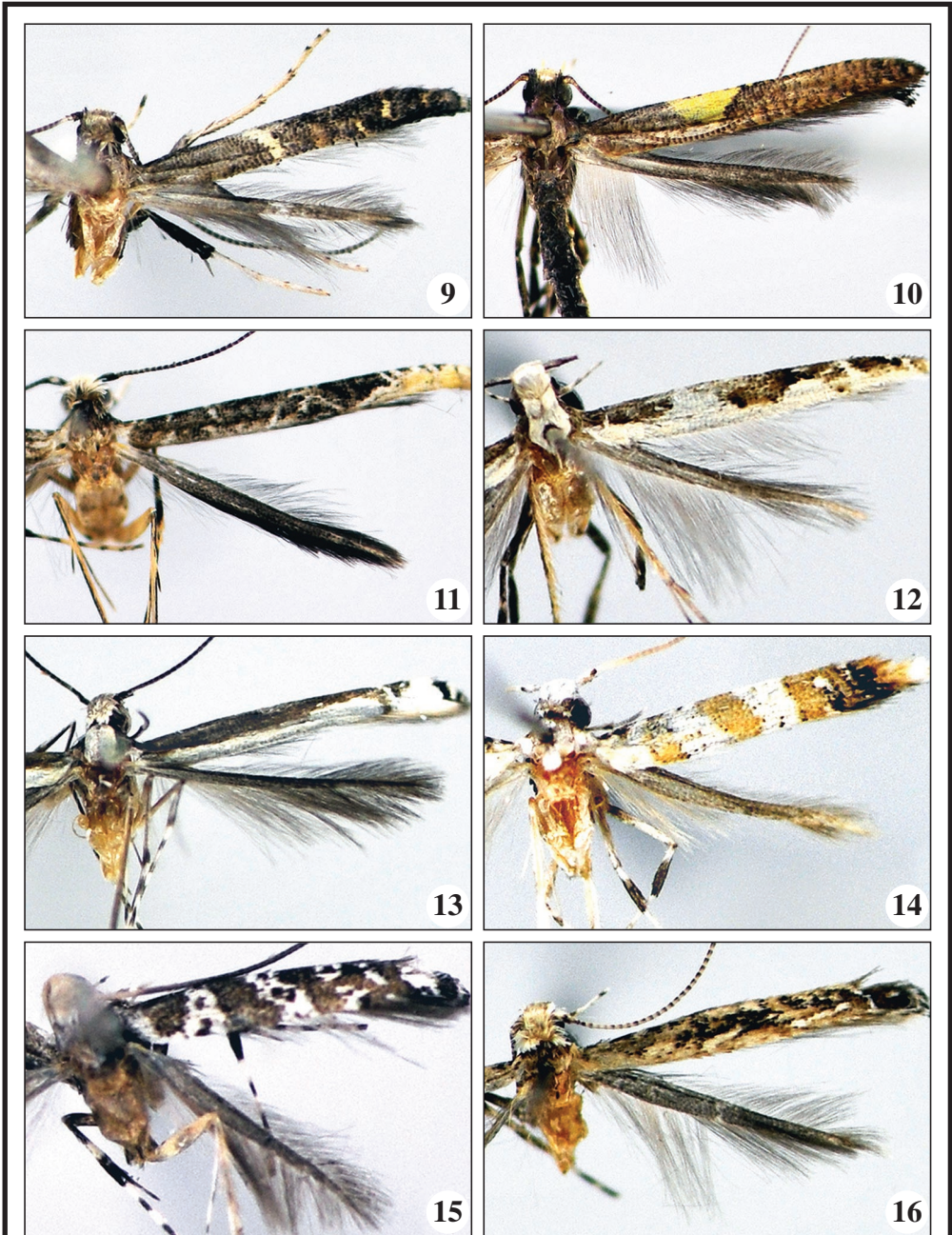
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Figs. 1-8.— Adults of Gracillariidae. 1. *Acrocercops unistriata* Yuan; 2. *Callicercops iridocrossa* (Meyrick); 3. *Caloptilia aurifasciata* Kumata; 4. *Caloptilia celtidis* Kumata; 5. *Caloptilia protiella* (Deventer); 6. *Caloptilia recitata* (Meyrick); 7. *Caloptilia rhois* Kumata; 8. *Caloptilia syrphetias* (Meyrick).



Figs. 9-16.— Adults of Gracillariidae. **9.** *Caloptilia teucra* (Meyrick); **10.** *Caloptilia theivora* (Walsingham); **11.** *Conopomorpha sinensis* Bradley; **12.** *Dialectica geometra* (Meyrick); **13.** *Eteoryctis syngamma* (Meyrick); **14.** *Gibbovalva singularis* Bai & Li; **15.** *Gibbovalva quadrifasciata* (Stainton); **16.** *Stomphastis polygoni* Vári.



Fig. 17.— Female genitalia of *Gibbovalva singularis* Bai & Li, 2008.