

SHORT COMMUNICATION

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Juan-Xia Di, Xun Bian, Fu-Ming Shi*. FOUR NEWLY RECORDED SPECIES OF GRYLLACRIDINAE (ORTHOPTERA: GRYLLACRIDIDAE) FROM CHINA. – Far Eastern Entomologist. 2014. N 275: 17-20.

Summary. Four species of the family Gryllacridinae, *Diaphanogryllacris annamita* (Griffini, 1909), *Metriogryllacris tamdao* Gorochoy, 2004, *Nippancistroger koreanus* Storozhenko et Paik, 2003 and *Phryganogryllacris superangulata* Gorochoy, 2005, are firstly recorded and illustrated from China.

Key words: Orthoptera, Gryllacrididae, Gryllacridinae, new records, China.

Я.-Ц. Ди, Ц. Бянь, Ф.-М. Ши*. Четыре новых для фауны Китая вида подсемейства Gryllacridinae (Orthoptera: Gryllacrididae) // Дальневосточный энтомолог. 2014. N 275. С. 17-20.

Резюме. Впервые для Китая отмечены 4 вида семейства Gryllacridinae: *Diaphanogryllacris annamita* (Griffini, 1909), *Metriogryllacris tamdao* Gorochoy, 2004, *Nippancistroger koreanus* Storozhenko et Paik, 2003 и *Phryganogryllacris superangulata* Gorochoy, 2005.

INTRODUCTION

In this paper, four species of Gryllacridinae are newly recorded from China, among which *Diaphanogryllacris annamita* (Griffini, 1909) is distributed in Guangxi Zhuang Autonomous Region and Hainan Province of China and Vietnam; *Metriogryllacris tamdao* Gorochoy, 2004 in Guizhou and Guangxi provinces of China and Vietnam; *Nippancistroger koreanus* Storozhenko et Paik, 2003 in Guizhou province of China and Korea and *Phryganogryllacris superangulata* Gorochoy, 2005 in Guangdong and Hubei provinces of China and Vietnam. All material examined are deposited in the Museum of Hebei University, China.

NEW RECORDS

***Diaphanogryllacris annamita* (Griffini, 1909)**

Figs 1–4

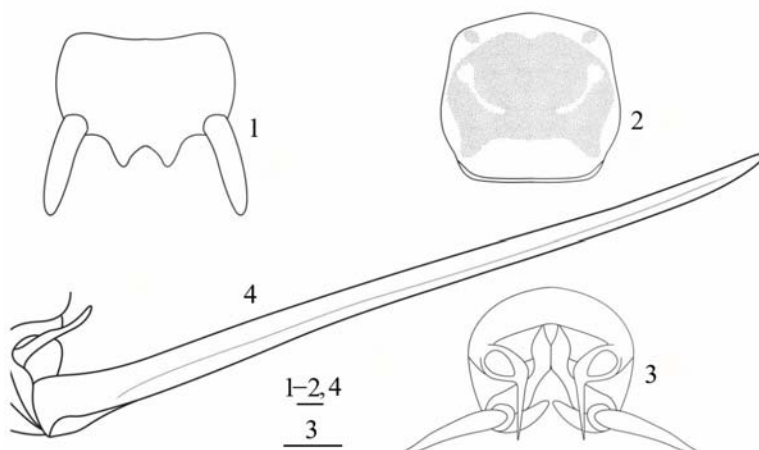
Gryllacris laeta variety *annamita* Griffini, 1909a: 1 (lectotype – male, Vietnam: Phuc Son; in Museo Regionale di Storia Naturale, Torino); Griffini, 1909b: 388; Griffini, 1914: 94; Karny, 1928: 204; Karny, 1929: 81.

Diaphanogryllacris laeta annamita: Karny, 1937: 102; Passerin d'Entrèves, 1981: 74.

Diaphanogryllacris annamita: Gorochoy & Woznessenskij, 1999: 262; Hollier, 2010: 803.

MATERIAL EXAMINED. China: Guangxi Zhuang Autonomous Region: Guilin, Yanshan, 18.VII 2001, 1 ♂, coll. Tian-shan Li; Xing'an, Jinshi, 6.VII 2005, 1 ♀, coll. Fu-Ming Shi; Wuming, Damingshan, 23.V 2011, 1 ♀, coll. Li-Ying Guo; the same locality, 25.V 2011, 1 ♂, coll. Li-Ying Guo; Wuming, Liangjiang, 26.V 2011, 2 ♂, 1 ♀, coll. Li-Ying Guo; Xing'an, Gaozhai, 6.VII 2011, 1 ♂, coll. Xun Bian; Xing'an, Yong'an, 13.VII 2011, 1 ♀, coll. Jian-Hua Huang; Longzhou, Nonggang, 27.VII 2011, 1 ♂, coll. Xun Bian; Hainan Province: Changjiang, Bawangling, 5.VII 2008, 1 ♂, coll. Yi-Bin Ba.

DISTRIBUTION. China (Guangxi, Hainan); Vietnam.



Figs 1–4. *Diaphanogryllacris annamita* (Griffini, 1909), male (1–3) and female (4) from Guangxi Zhuang Autonomous Region (Wuming, Liangjiang). 1 – subgenital plate in ventral view; 2 – pronotum in dorsal view; 3 – apex of abdomen in apical view; 4 – ovipositor in lateral view. Scale bars = 1 mm.

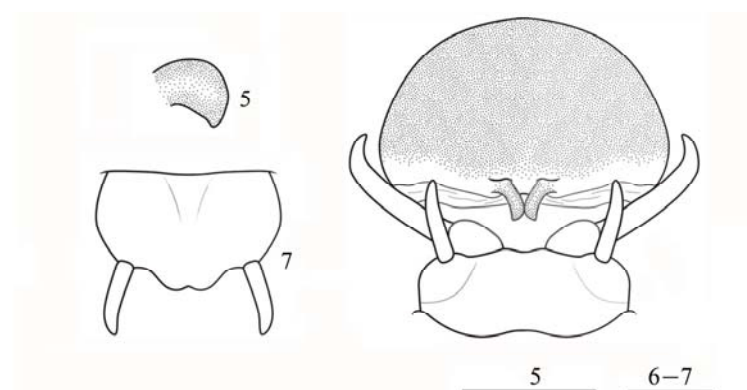
***Metriogryllacris tamdao* Gorochov, 2004**

Figs 5–7

Metriogryllacris tamdao Gorochov, 2004: 901 (holotype – male, Vietnam: Tam Dao; in Zoological Institute, Russian Academy of Sciences, St. Petersburg).

MATERIAL EXAMINED. **China:** Guizhou Province: Daozhen, Dashahe, 21.VIII 2004, 1 ♂, coll. Fu-Ming Shi; Guangxi Zhuang Autonomous Region: Longsheng, Huaping, 8.VI 2011, 1 ♂, coll. Hao-Yu Liu; Wuming, Damingshan, 9.VIII 2011, 1 ♂, coll. Xun Bian.

DISTRIBUTION. China (Guizhou, Guangxi); Vietnam.



Figs 5–7. *Metriogryllacris tamdao* Gorochov, 2004, male from Guizhou Province (Daozhen, Dashahe): 5 – apex of projection of ninth abdominal tergite in lateral view; 6 – apex of abdomen in apical view; 7 – subgenital plate in ventral view. Scale bars = 1 mm.

***Nippancistroger koreanus* Storozhenko et Paik, 2003**

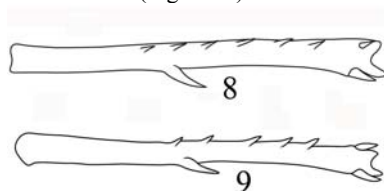
Fig. 8

Nippancistroger koreanus: Storozhenko & Paik, 2003: 7 (holotype – female, Republic of Korea: Jeju-do; in Institute of Biology and Soil Science, Vladivostok); Storozhenko & Paik, 2007: 81.

MATERIAL EXAMINED. **China**: Guizhou Province: Leishan, Lianhuaping, 14.IX 2004, 1♂, coll. Hao-Yu Liu; Leishan, Fangyang, 16.IX 2005, 1♂, coll. Hao-Yu Liu; Fanjingshan, 17.VIII 2001, 1♀, coll. Fu-Ming Shi.

DISTRIBUTION. China (Guizhou); Korea.

NOTES. *Nippancistroger koreanus* is similar to *N. sinensis* Thinkham, 1936, but differs in number of inner spines on hind tibiae (Figs. 8–9).

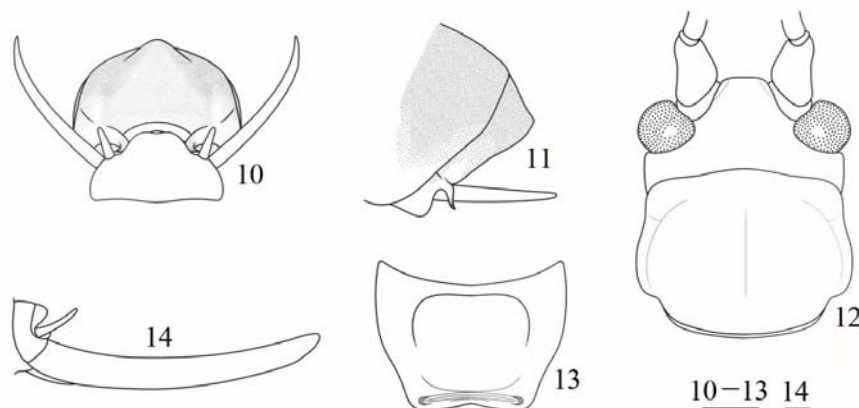


Figs 8–9. Hind tibiae in dorsal view: 8 – *Nippancistroger koreanus* Storozhenko et Paik 2003 from Guizhou Province (Fanjingshan); 9 – *Nippancistroger sinensis* Thinkham, 1936 from Guizhou Province (Daozhen, Dashahe).

***Phryganogryllacris superangulata* Gorochoy, 2005**

Figs 10–14

Phryganogryllacris superangulata: Gorochoy, 2005: 813 (holotype – male, Vietnam: Cao Phong; in Zoological Institute, Russian Academy of Sciences, St. Petersburg).



Figs 10–14. *Phryganogryllacris superangulata* Gorochoy, 2005, male (10–11) and female (13–14) from Guangdong (Ruyuan, Nanling). 10 – apex of abdomen in ventral view; 11 – apex of abdomen in lateral view; 12 – head and pronotum in dorsal view; 13 – subgenital plate of in ventral view; 14 – ovipositor in lateral view. Scale bars = 1 mm.

MATERIAL EXAMINED. **China:** Guangdong Province: Ruyuan, Nanling, 24.VIII 2010, 1 ♂, 1 ♀, coll. Zhi-Jun Zhou; Hubei Province: Yichang, Dalaoling, 9.VII 2011, 1 ♂, coll. Guang-Lin Xie; the same locality, 9.VII 2011, 1 ♂, coll. Feng Wang; the same locality, 11.VII 2011, 1 ♂, coll. Jie-Hong Deng.

DISTRIBUTION. China (Guangdong, Hubei); Vietnam.

ACKNOWLEDGMENTS

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