

Holotypes of longhorn beetles from the collection of Sergei V. Murzin (Coleoptera: Cerambycidae)

Maxim A. LAZAREV¹ & Sergei V. MURZIN²

¹Free Economic Society of Russia,
Department of Scientific Conferences and All-Russian Projects
Tverskaya str., 22a, Moscow 125009, Russia

e-mail: cerambycidae@bk.ru, humanityspace@gmail.com

²Proletarsky prosp. 8, build. 1, apart. 23, Moscow 115522, Russia
e-mail: murka3@list.ru

Taxonomy, holotype, color photographs, Coleoptera, Cerambycidae, China, Vietnam, Cambodia, Sri Lanka, Guinea.

Abstract. Sixteen Cerambycidae (Coleoptera) holotypes from the collection of S. V. Murzin's (Moscow) were examined. Color photographs of all specimens are provided, including labels. Five holotypes described by Miroshnikov deposited in the collection were not discovered. Each name is followed by the original combination, reference to the original description, indication of the type locality, the current valid name of the taxon and texts of all specimens labels.

INTRODUCTION

Many Cerambycidae types are preserved in the collection of S. V. Murzin, Moscow. All his holotypes are listed here with corresponding labels and photographs. Holotypes of five species described by A. I. Miroshnikov, which were deposited (according to original descriptions) in Murzin's collection were not discovered (*Teledalpus zolotichini* Miroshnikov, 2000: 43 - "China, Shaanxi prov., Taibaishan nat. park 3000-3200 m," *Teledalpus lobanovi* Miroshnikov, 2021: 242 - "China, Sichuan Province, Maoxian County, SE Shangxinzhen Village, 2935 m a.s.l., 31°34'32"N / 103°47'33"E, 3.07.2012," *Teledalpus transitivus* Miroshnikov, 2021: 247 - "China, Yunnan Province, Deqen (Deqin) County, NE slope of SE Baima Mt. Ridge, SW of Benzilanzhen Village, 3225 m a.s.l., 28°10'44"N / 99°14'28"E, 5.06.2013," *Pachydissus murzini* Miroshnikov, 2018: 211 - "China, Yunnan Province, 54 km E of Tengchong, 2150 m, and *Dymasius murzini* Miroshnikov, 2017: 200 - "Sri Lanka, Kitugala, 600 m, 6°59'N / 80°24'E"). It is probable such specimens are still in Miroshnikov's collection.

MATERIAL AND METHODS

All photographs were taken with Canon PowerShot G10 digital camera equipped with Cannon Zoom lens 5X IS 6.1-30.5 mm 1:2.8-4.5 and microscope AmScope SM745NTP. The illustrations were edited with Adobe Photoshop 7.0 and Helicon Focus 3.20.

All information on the labels are in the original version.

RESULTS

Type Specimens of Longhorn Beetles in S. V. Murzin's collection

Teledapalpus murzini Miroshnikov, 2000

Teledapalpus murzini Miroshnikov, 2000a: 41.

Type locality: "China, North Sichuan, Nanping env., 3500 m".

Type material. Holotype (Figs. 1-2), male (length: 12.7 mm; width: 3.0 mm) with 2 labels: 1) "China, N Sichuan / env. Nanping, h=3500m / 10-19.06.1997 / leg. S Murzin"; 2) [red] "♂ HOLOTYPUS *Teleda-* / *palpus murzini* n. sp. / det. A. Miroshnikov / 2000".

Teledapalpus zamotajlovi Miroshnikov, 2000

Teledapalpus zamotajlovi Miroshnikov, 2000a: 41.

Type locality: "China, N Sichuan, Juizhaigou, 4000 m".

Type material. Holotype (Figs. 3-4), male (length: 14.0 mm; width: 3.3 mm) with 2 labels: 1) "China, N Sichuan / Juizhaigou, h=4000m / 21-23.06.1997 / leg. S Murzin"; 2) [red] "♂ HOLOTYPUS *Teleda-* / *palpus zamotajlovi* / det. A. Miroshnikov / 2000 n. sp."

Neorhamnusium melanocephalum Miroshnikov & Lin, 2015

Neorhamnusium melanocephalum Miroshnikov & Lin, 2015: 294.

Type locality: "China, Yunnan Prov., Laojunshan, river above Shangliju, 2755 m, 26°45'20"N / 99°37'16"E".

Type material. Holotype (Figs. 5-6), female (length: 20.5 mm; width: 5.9 mm) with 2 labels: 1) "China, Yunnan Prov., / Laojunshan, river above / Shangliju, 2755 m, 26°45'20"N / 99°37'16"E, 25.VI.2014, / leg. I. Belousov & I. Kabak"; 2) [red] "HOLOTYPUS ♀ / *Neorhamnusium melanocephalum* sp. n. / det. A. Miroshnikov et / M.-Y. Lin 2015".

Katarinia murzini Miroshnikov, 2015

Katarinia murzini Miroshnikov, 2015: 287.

Type locality: "China, Shaanxi Prov., Zhouzhi env., Taibaishan nat. park, 1350 m, 34°01'N / 108°06'E".

Type material. Holotype (Figs. 7-8), male (length: 10.2 mm; width: 2.8 mm) with 2 labels: 1) "CHINA, Shaanxi prov., / env. Zhouzhi, Taibaishan / nat. park, h=1350 m / 30.V.1999. M. Murzin lg."; 2) [red] "HOLOTYPUS ♂ / *Katarinia murzini* sp. n. / det. A. Miroshnikov 2015".

***Katarinia belousovi* Miroshnikov, 2015**

Katarinia belousovi Miroshnikov, 2015: 289.

Type locality: “China, Yunnan Prov., Zhongdian env., 3800-4100 m”.

Type material. Holotype (Figs. 9-10), male (length: 11.7 mm; width: 3.4 mm), “CHINA N., Yunnan pr., WNW Zhongdian, 3800-4100m, 13.VII.2007 / I. Belousov, I. Kabak leg.”; 2) [red] “HOLOTYPUS ♂ / *Katarinia belousovi* sp. n. / det. A. Miroshnikov 2015”.

***Anoplodera* (s. str.) *sergeii* Miroshnikov, 2000**

Anoplodera (s. str.) *sergeii* Miroshnikov, 2000b: 82.

Type locality: “China, North Sichuan, Songpan”.

Type material. Holotype (Figs. 11-12), male (length: 7.9 mm; width: 2.3 mm) with 2 labels: 1) “China, N Sichuan, / Songpan, / 9.07.1997 / leg. S Murzin”; 2) [red] “♂ HOLOTYPUS *Anop- / lodera* (s. str.) *sergeii* / det. A. Miroshnikov / 1999 n. sp.”.

***Anoplodera* (s. str.) *shamaevi* Miroshnikov, 2000**

Anoplodera (s. str.) *shamaevi* Miroshnikov, 2000b: 82.

Type locality: “China, Qinghai, 70 km S.Xining, Garang, 3600 m”.

Type material. Holotype (Figs. 13-14), female (length: 10.3 mm; width: 2.9 mm) with 2 labels: 1) “China, Qinghai / 70 km S.Xining, / Garang, h=3600m / 25.VI.[19]97 A. Shamaev lg.”; 2) [red] “♀ HOLOTYPUS *Anop- / lodera* (s. str.) *shamaevi* / det. A. Miroshnikov / 1999 n. sp.”.

***Pygostrangalia gialaii* (Murzin, 1988)**

Strangalia (*Pygostrangalia*) *gialaii* Murzin, 1988: 163.

Type locality: Vietnam, Gia Lai province, Buon Loi, 40 km N Ankkhe.

Type material. Holotype (Figs. 15-16), female (length: 13.2 mm; width: 2.6 mm) with 2 labels: 1) “SRV Prov. Gialai- / Contum, Buon-Loi, / 40 km N Ankkhe / VI.1980”; 2) [red] “Holotypus / *Strangalia* (*Pygostrangalia*) / *gialaii* sp. n. / S. Murzin”.

***Pygostrangalia medvedevi* (Murzin, 1988)**

Strangalia (*Pygostrangalia*) *medvedevi* Murzin, 1988: 164.

Type locality: Vietnam, Vinh-Phu Province, Tam Dao, 900 m. [in Russian]

Type material. Holotype (Figs. 17-18), female (length: 8.9 mm; width: 1.9 mm) with 2 labels: 1) “Vietnam / Tam Dao / 26.V.1985 / L. Medvedev” [in Russian]; 2) [red] “Holotypus / *Strangalia* (*Pygostrangalia*) / *medvedevi* sp. n. / S. Murzin”.

***Gnathostrangalia bilineatithorax* (Pic, 1922)**

Strangalia (s. str.) *tonkinea* Murzin, 1988: 162 (according to *Pygostrangalia bilineatithorax* Holzschuh, 1991: 24).

Type locality: Vietnam, Vinh-Phu Province, Tam Dao, 900 m. [in Russian].

Type material. Holotype (Figs. 19-20), male (length: 20.0 mm; width: 4.6 mm) with 2 labels: 1) “Vietnam / Tam Dao / 26.V.1985 / L. Medvedev” [in Russian]; 2) [red] “Holotypus / *Strangalia* (s. str.) / *tonkinea* sp. n. / S. Murzin”.

***Trypogeus murzini* Miroshnikov, 2014**

Trypogeus murzini Miroshnikov, 2014a: 57.

Type locality: “S Cambodia, Phnom Bokor National Park, 600 m”.

Type material. Holotype (Figs. 21-23), male (length: 9.5 mm; width: 3.1 mm) with 2 labels: 1) “CAMBODIA / Phnom Bokor Nat. Park / 600 m, 24-28.XI.2007 / S. Murzin leg.”; 2) [red] “HOLOTYPUS ♂ / *Trypogeus murzini* / sp. n. det. / A. Miroshnikov 2013”.

***Stenhomalus* (s. str.) *murzini* Miroshnikov, 1989**

Stenhomalus murzini Miroshnikov, 1989: 107.

Type locality: W. Africa, PRR Guinea, Kindia, Pastoria.

Type material. Holotype (Figs. 24-25), male (length: 5.1 mm; width: 1.2 mm) with 2 labels: 1) “W. AFRICA, PRR GUINEA / KINDIA, PASTORIA / 31 V 1983 S.V. MURZIN / PRK-4 UF” [in Russian]; 2) [red] “Holotypus 1987 / *Stenhomalus* ♂ / *murzini* m. / det. A. Miroshnikov”.

***Tetraommatus unifasciatus* Murzin, 1988**

Tetraommatus unifasciatus Murzin, 1988: 165.

Type locality: Vietnam, Gia Lai province, 5 km N Ankkhe.

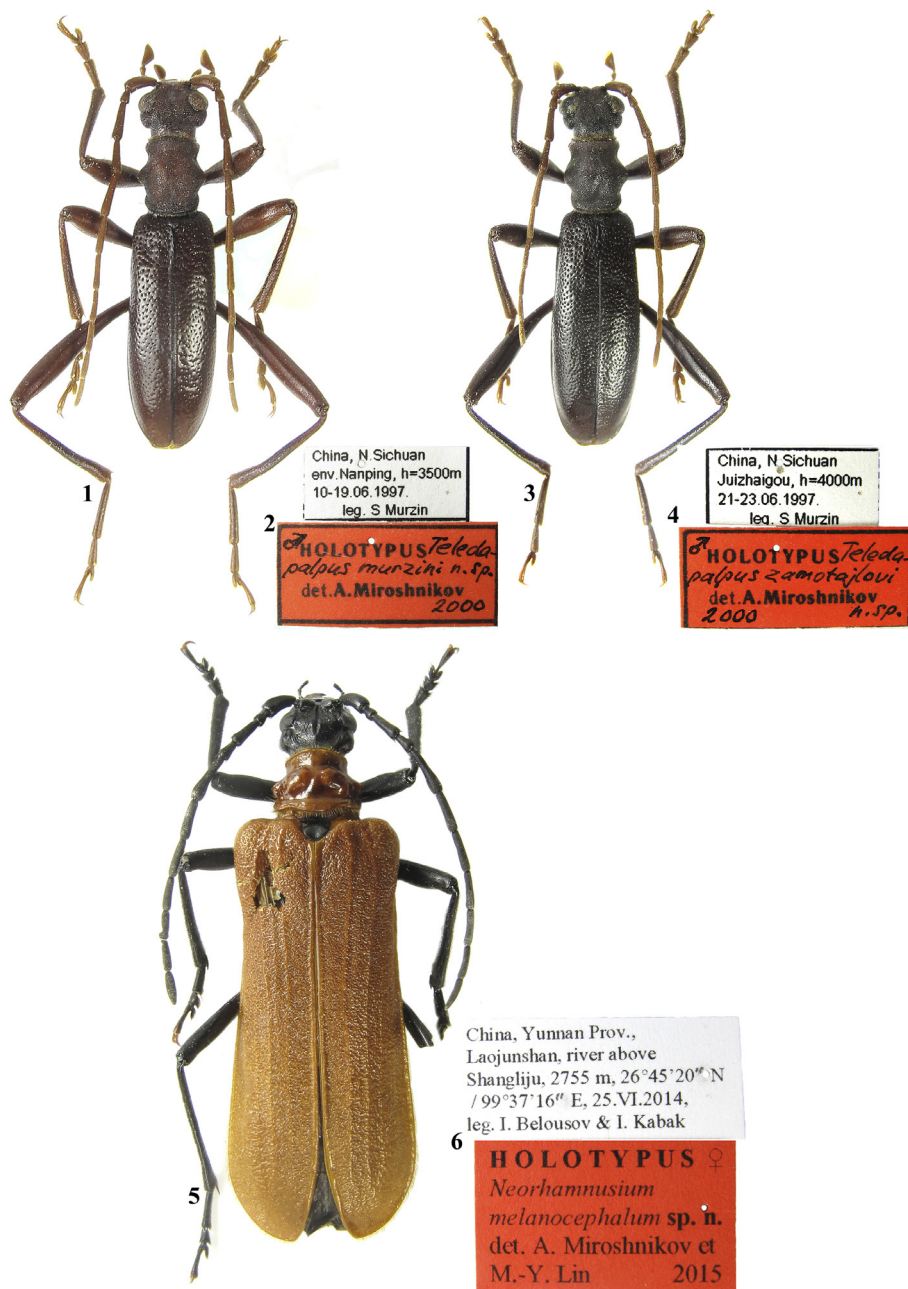
Type material. Holotype (Figs. 26-27), female (length: 6.7 mm; width: 1.4 mm) with 2 labels: 1) “Vietnam / 5 km N Ankkhe / 19.X.1979 / L. Medvedev”; 2) [red] “Holotypus / *Tetraommatus* / *unifasciatus* sp. n. / S. Murzin”.

***Paraclytus murzini* Miroshnikov, 2014**

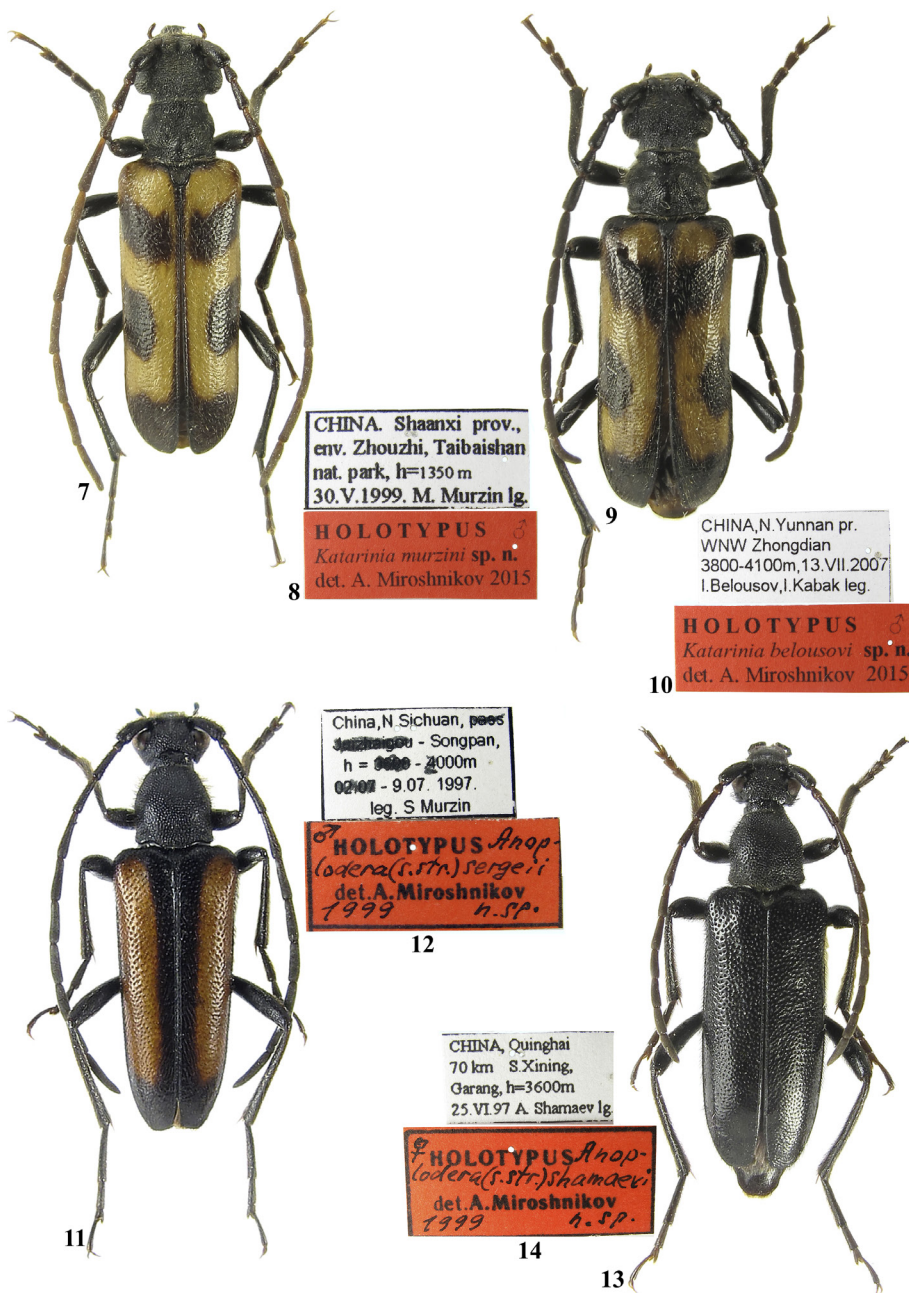
Paraclytus murzini Miroshnikov, 2014b: 82.

Type locality: “China: Sichuan Province, Liangshan Mts, S Xichang, 3000 m”

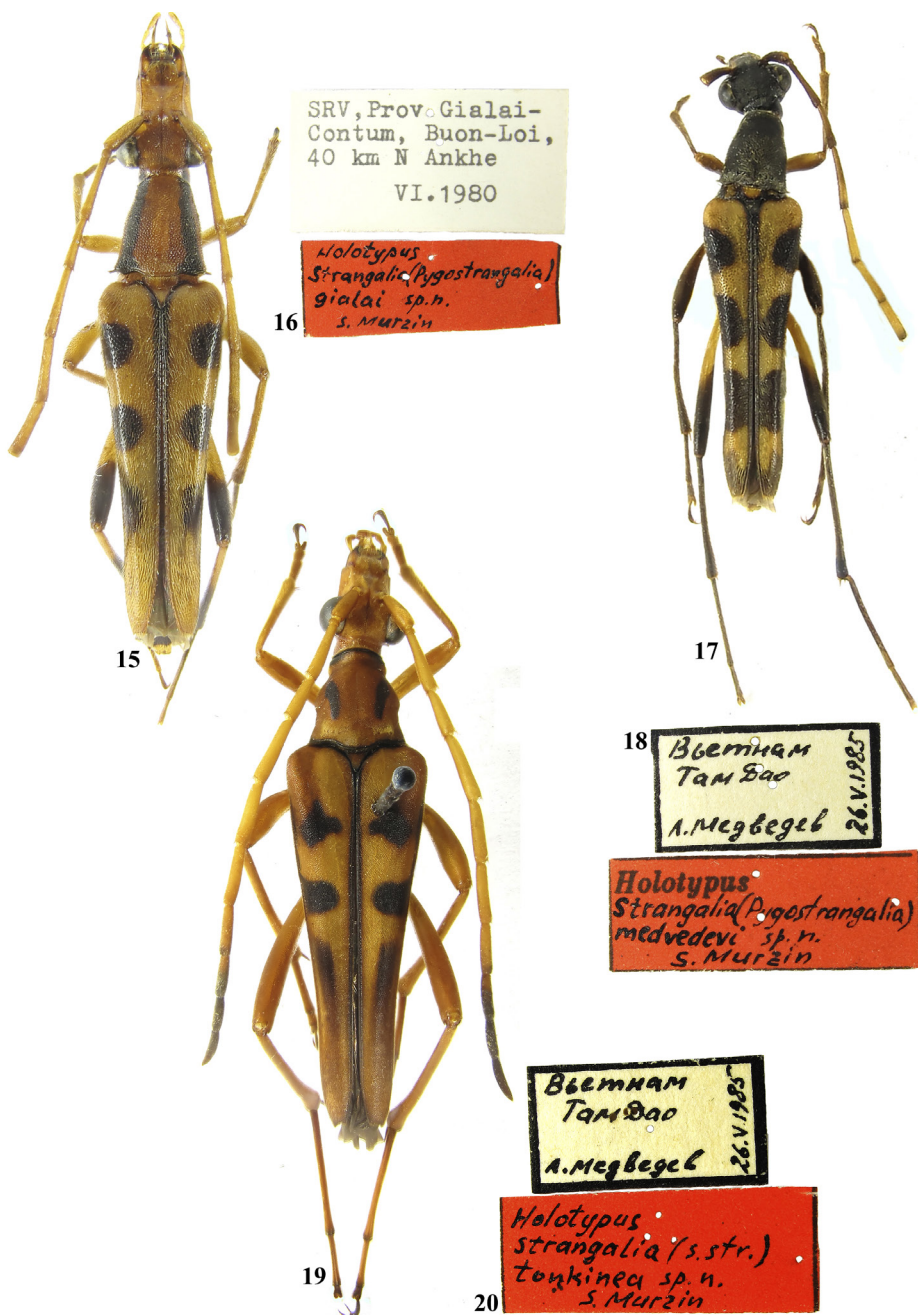
Type material. Holotype (Figs. 28-29), female (length: 13.2 mm; width: 3.5 mm) with 2 labels: 1) “CHINA S. SICHUAN / Liangshan Mts. S.Xichang / h=3000m, I.VII.2002 / leg. S.Murzin, I.Shokhin”; 2) [red] “HOLOTYPUS ♀ / *Paraclytus murzini* / sp. n. det. / A. Miroshnikov 2013”.



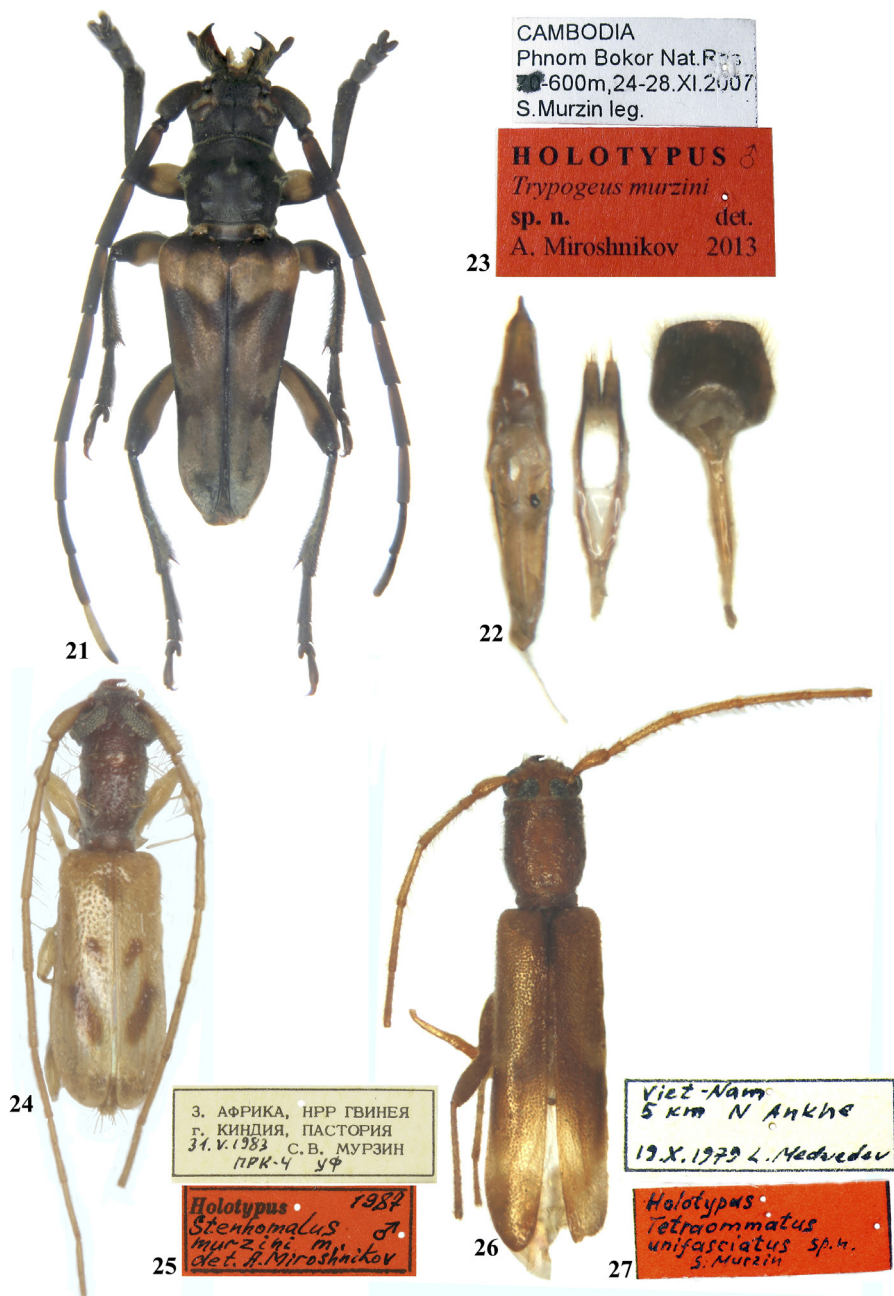
Figs. 1-6. *Teledapalpus murzini* Miroshnikov, 2000: 1- Holotype, male; 2- Labels of the holotype; *Teledapalpus zamotajlovi* Miroshnikov, 2000: 3- Holotype, male; 4- Labels of the holotype; *Neorhamnusium melanocephalum* Miroshnikov & Lin, 2015: 5- Holotype, female; 6- Labels of the holotype.



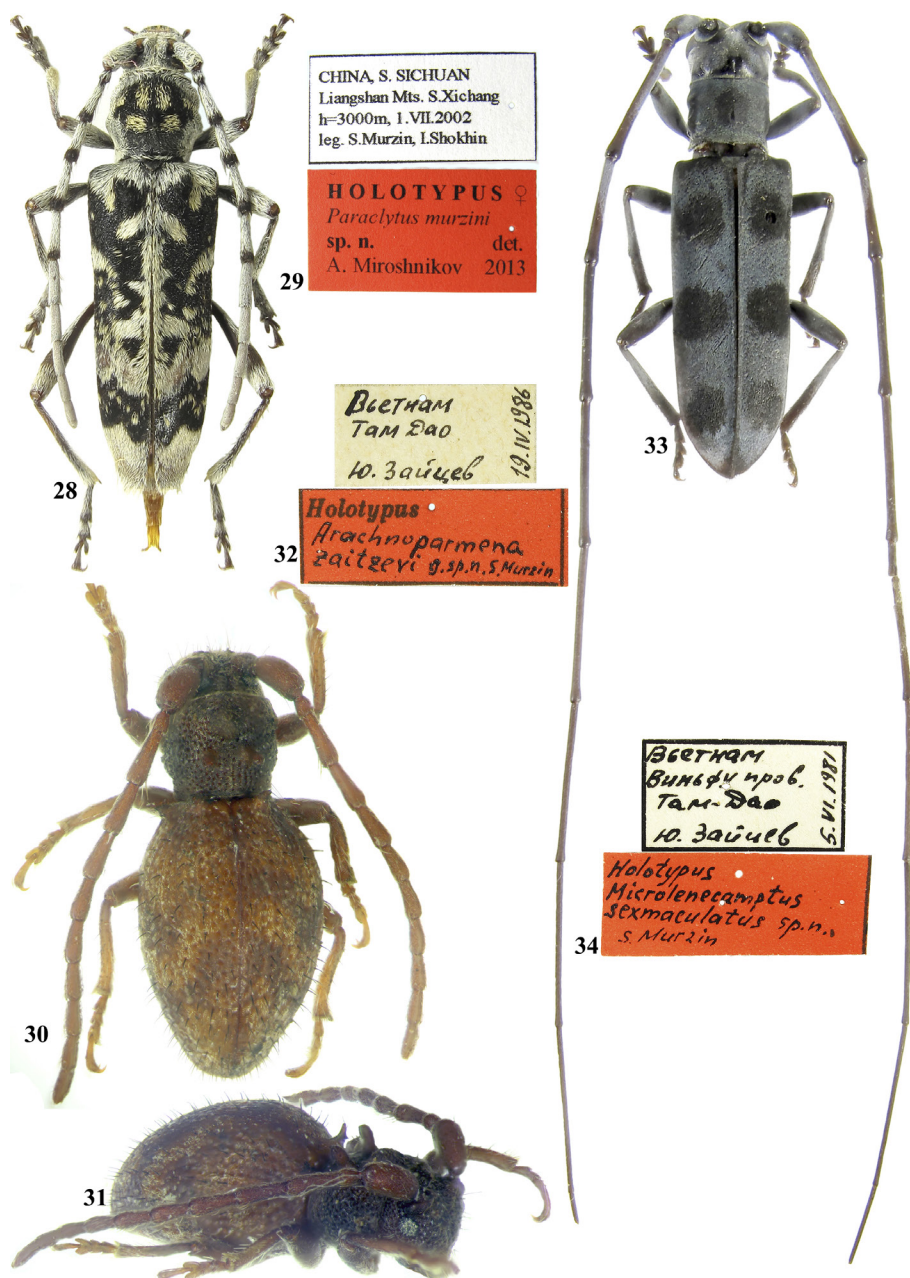
Figs. 7-14. *Katarinia murzini* Miroshnikov, 2015: 7- Holotype, male; 8- Labels of the holotype; *Katarinia belousovi* Miroshnikov, 2015: 9- Holotype, male; 10- Labels of the holotype; *Anoplodera* (s. str.) *sergeii* Miroshnikov, 2000: 11- Holotype, male; 12- Labels of the holotype; *Anoplodera* (s. str.) *shamaevi* Miroshnikov, 2000: 13- Holotype, female; 14- Labels of the holotype.



Figs. 15-20. *Strangalia (Pygostrangalia) gialaii* Murzin, 1988: 15- Holotype, female; 16- Labels of the holotype; *Strangalia (Pygostrangalia) medvedevi* Murzin, 1988: 17- Holotype, female; 18- Labels of the holotype; *Strangalia (s. str.) tonkinea* Murzin, 1988: 19- Holotype, male; 20- Labels of the holotype.



Figs. 21-27. *Trypogeus murzini* Miroshnikov, 2014: 21- Holotype, male; 22- Genitals of the holotype; 23- Labels of the holotype; *Stenhomalus murzini* Miroshnikov, 1989: 24- Holotype, male; 25- Labels of the holotype; *Tetraommatus unifasciatus* Murzin, 1988: 26- Holotype, female; 27- Labels of the holotype.



Figs. 28-34. *Paraclytus murzini* Miroshnikov, 2014: 28- Holotype, female; 29- Labels of the holotype; *Arachnoparmena zaitzevi* Murzin, 1988: 30- Holotype, male; 31- Side view of holotype; 32- Labels of the holotype; *Microlenecamptus sexmaculatus* Murzin, 1988: 33- Holotype, female; 34- Labels of the holotype.

***Arachnoparmena zaitzevi* Murzin, 1988**

Arachnoparmena zaitzevi Murzin, 1988: 167.

Type locality: Vietnam, Vinh-Phu Province, Tam Dao, 900 m. [in Russian].

Type material. Holotype (Figs. 30-33), male (length: 3.8 mm; width: 1.6 mm) with 2 labels: 1) "Vietnam / Tam Dao / 19.IV.1986 / Yu. Zaytsev" [in Russian]; 2) [red] "Holotypus / *Arachnoparmena* / *zaitzevi* g. sp. n. S. Murzin".

***Microlenecamptus sexmaculatus* Murzin, 1988**

Microlenecamptus sexmaculatus Murzin, 1988: 167.

Type locality: Vietnam, Vinh-Phu Province, Tam Dao, 900 m. [in Russian].

Type material. Holotype (Figs. 33-34), female (length: 13.5 mm; width: 3.5 mm) with 2 labels: 1) "Vietnam / Vinh-Phu Prov. / Tam Dao / 5.VI.1981 / Yu. Zaytsev" [in Russian]; 2) [red] "Holotypus / *Microlenecamptus* / *sexmaculatus* sp. n. / S. Murzin".

REFERENCES

- HOLZSCHUH C. 1991: 63 neue Bockkäfer aus Asien, vorwiegend aus China und Thailand (Coleoptera: Disteniidae und Cerambycidae). *Schriftenreihe der Forstlichen Bundesversuchsanstalt (FBVA-Berichte)* 60: 5-71.
- MIROSHNIKOV A. I. 1989: A new longicorn species of the genus *Stenhomalus* White (Coleoptera, Cerambycidae) from West Africa. *Proceedings of the Zoological Institute, USSR Academy of Sciences* 208: 107-109.
- MIROSHNIKOV A. I. 2000a: New longicorn beetles of the tribe Xylosteini from Asia (Coleoptera, Cerambycidae). *Entomologica Kubanica* 1: 37-54.
- MIROSHNIKOV A. I. 2000b: New species of the longicorn beetles genus *Anoplodera* Mulsant, 1839 (Coleoptera: Cerambycidae) from China. *Russian Entomological Journal* 8(3) [1999]: 185-188.
- MIROSHNIKOV A. I. 2014a: The genus *Trypogeus* Lacordaire, 1869: an annotated check list and descriptions of new species from Cambodia and Laos (Coleoptera: Cerambycidae). Pp. 51-71. In: KONSTANTINOV A. S., ŚLIPIŃSKI S. A. & SOLODOVNIKOV A. YU. (Eds.): *Advances in Studies on Asian Cerambycids (Coleoptera: Cerambycidae)*. Krasnodar - Moscow: KMK Scientific Press Ltd., 237 pp.
- MIROSHNIKOV A. I. 2014b: A review of the genus *Paraclytus* Bates, 1884, with the description of a new species from China (Coleoptera: Cerambycidae). Pp.73-132. In: KONSTANTINOV A. S., ŚLIPIŃSKI S. A. & SOLODOVNIKOV A. YU. (Eds.): *Advances in Studies on Asian Cerambycids (Coleoptera: Cerambycidae)*. Krasnodar - Moscow: KMK Scientific Press Ltd., 237 pp.
- MIROSHNIKOV A. I. 2015: New species of the genera *Pachypidonia* Gressitt, 1935 and *Katarinia* Holzschuh, 1991 (Coleoptera: Cerambycidae) from China. *Russian Entomological Journal* 24(4): 285-290.
- MIROSHNIKOV A. I. 2018. The longicorn beetle tribe Cerambycini Latreille, 1802 (Coleoptera: Cerambycidae: Cerambycinae) in the fauna of Asia. 4. New or little-known taxa, mainly from Indochina and Borneo, with reviews or annotated checklists of species of some genera. *Caucasian Entomological Bulletin* 14(2): 197-246.
- MIROSHNIKOV A. I. 2021. A review of the tribe Teledapini Pascoe, 1871, with descriptions of new species from China and notes on the tribe Xylosteini Reitter, 1913 (Coleoptera: Cerambycidae: Lepturinae). *Caucasian Entomological Bulletin* 17(1): 233-262.
- MIROSHNIKOV A. I. & LIN M.-Y. 2015. A review of the genus *Neorhamnusium* Hayashi, 1976 (Coleoptera: Cerambycidae), with descriptions of three new species. *Russian Entomological Journal* 24(4): 291-306.
- MURZIN S. V. 1988. New species of Timber-Beetles (Coleoptera, Cerambycidae) from Viet-Nam. Pp. 161-168. In: MEDVEDEV L. N. & STRIGANOVA B. R. (Eds.): *Fauna and ecology of the animals of Vietnam*, Nauka, Moscow: 1-198. [in Russian]

Received: 20.1.2025

Accepted: 10.2.2025

Printed: 5.10.2025