

- (1989): 188–194.
- DEUVE, Th., 1990. Description d'un nouveau *Carabus* du Sichuan (Col., Carabidae). *Bull. Soc. ent. Fr.*, **95**: 160.
- 1991. Contribution à la connaissance des Carabidae asiatiques. Descriptions de nouveaux taxons des genres *Carabus* et *Cychrus* (Coleoptera). *L'Entomologiste, Paris*, **47**: 311–325.
- 1997. Catalogue des Carabini et Cychrini de Chine. *Mém. Soc. ent. Fr.*, (1): 1–236, 236 figs.
- IMURA, Y., 2002 a. Proposal of eighteen new genera and subgenera of the subtribe Carabina (Coleoptera, Carabidae). *Spec. Bull. Jpn. Soc. Coleopterol., Tokyo*, (5): 129–147.
- 2002 b. Classification of the subtribe Carabina (Coleoptera, Carabidae) based on molecular phylogeny. *Elytra, Tokyo*, **30**: 1–28.
- & K. MIZUSAWA, 2002. Carabid beetles of Heishui Xian in centro-northern Sichuan, China. *Gekkan-Mushi, Tokyo*, (371): 22–27. (In Japanese with English title.)
- MANDL, K., 1975. Neue *Carabus*-Arten aus China (Col. Carabidae). *Ent. Arb. Mus. Frey*, **26**: 278–291.
- MORAWITZ, A., 1886. Zur Kenntnis der Adephegen Coleopteren. *Mém. Acad. imp. Sci. St.-Petersb.*, (7), **34** (9): 1–88.
- SEMENOV, A., 1898. Symbolae ad cognitionem generis *Carabus* (L.) A. MOR. II. *Horae Soc. ent. ross.*, **3**: 315–541.

Elytra, Tokyo, **30** (1): 45–46, June 30, 2002

Two New Synonyms of Taiwanese *Onthophagus* (Coleoptera, Scarabaeidae) Described by BALTHASAR

Kimio MASUMOTO

Department of Zoology, National Science Museum (Nat. Hist.), Tokyo,
3–23–1 Hyakunin-chô, Shinjuku, Tokyo, 169–0073 Japan

On the occasion of my entomological research in Europe made in March, 2002, I had the opportunity of examining the BALTHASAR collection preserved in the Department of Entomology, National Museum, Prague, Czech Republic. I examined several problematical coprophagous beetles from East Asia and confirmed the following new synonyms of Taiwanese *Onthophagus* species.

Onthophagus (Matashia) yubarinus (MATSUMURA, 1937)

Onthophagus yubarinus MATSUMURA, 1937, Ins. matsum., Sapporo, **11**: 168.

Matashia mushana MATSUMURA, 1938, Ins. matsum., **12**: 63.

Onthophagus (s. str.) *ivae* BALTHASAR, 1963, Mon. Scarab. Aphod. palaearkt. orient. Reg., **2**: 602. (*Syn. nov.*)

Notes. BALTHASAR (1963) described "*Onthophagus* (s. str.) *ivae*" based on a female collected from Polisha (Puli). It is a junior synonym of *Onthophagus yubarinus* MATSUMURA, 1937.

In his Monograph (1963), BALTHASAR regarded *Onthophagus ivae* as a member of the subgenus *Onthophagus*, but actually it belongs to the subgenus *Matashia*. Though MATSUMURA (1938) described *Matashia mushana* from Taiwan without any statement about the generic peculiarities, NOMURA (1973) recognized that the subgenus *Digionthophagus* BALTHASAR, 1959 is nothing but a junior synonym of *Matashia*. Besides, *Matashia mushana* is a junior synonym of *Onthophagus yubarinus*.

***Onthophagus (Matashia) anguliceps* BOUCOMONT, 1914**

Onthophagus anguliceps BOUCOMONT, 1914, *Annli. Mus. civ. Stor. nat. Genova*, **46**: 210.

Onthophagus actaeon BALTHASAR, 1946, *Čas. Čs. Spol. ent.*, **43**: 21. (*Syn. nov.*)

Notes. BALTHASAR described *Onthophagus actaeon* based on a male from Chip-Chip (Chi Chi), though it is a junior synonym of *Onthophagus anguliceps* BOUCOMONT, 1914.

I thank Dr. Josef JELÍNEK, Department of Entomology, National Museum, Czech Republic for his kind permission to examine the BALTHASAR collection, and also thank Ing. Stanislav BEČVÁŘ, the Institute of Entomology, Czech Academy of Science, for his invaluable arrangement for my visit to the Museum.

References

- BALTHASAR, V., 1946. Les nouvelles espèces asiatiques du genre *Onthophagus* LATR. *Čas. Čs. Spol. ent.*, **43**: 19–22.
- 1959. Beitrag zur Kenntnis der Gattung *Onthophagus* LATR. *Acta ent. Mus. nat. Pragae*, **33**: 461–471.
- 1963. Monographie der Scarabaeidae und Aphodiidae der palaearktischen und orientalischen Region, **2**: 1–627, 16 pls. Tschechoslowakischen Akademie der Wissenschaften, Prag.
- BOUCOMONT, A., 1914. *Onthophagus* asiatiques nouveaux ou peu connus. *Annli. Mus. civ. Stor. nat. Genova*, **46**: 210–243.
- MATSUMURA, S., 1937. New *Onthophagus*-species in Japan with a tabular key. *Ins. matsum., Sapporo*, **11**: 150–169.
- 1938. Onthophagid insects from Formosa. *Ibid.*, **12**: 53–63.
- NOMURA, S., 1973. Notes on the coprophagous Lamellicornia from Taiwan. *Ent. Rev. Japan, Osaka*, **25**: 37–52.