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**Contributions to the knowledge of the "Staphylinus-complex"
(Insecta: Coleoptera, Staphylinidae, Staphylinini) of China.
Part 18. Various genera**

A. SMETANA

A b s t r a c t : *Ocychinus angustiarum* SMETANA 2006 is transferred to the genus *Sphaerobulbus* and placed in synonymy with *Sphaerobulbus murzini* SMETANA 2003, syn.nov. *Ocychinus kalabi* SMETANA 2006 is a junior homonym of *Ocychinus kalabi* SMETANA 2003; replacement name *Ocychinus frater* nom.nov. is proposed for it. *Sphaerobulbus abdominalis* SMETANA 2003 is placed in synonymy with *Sphaerobulbus bisinuatus* SMETANA 2003, syn.nov. Tergite 10 of female genital segment is illustrated for *Sphaerobulbus nagahatai* and *S. rex*. Additional records of many species of the genera listed below are presented.

K e y w o r d s : Coleoptera, Staphylinidae, Staphylininae, *Dinothenarus*, *Ocypus*, *Collocypus*, *Ocychinus*, *Sphaerobulbus*, *Aulacocypus*, Palaearctic Region, mainland China, new synonymies, new combination, new records.

Introduction

This is the eighteenth of a series of papers dealing with the genera of the "Staphylinus-complex" (see SMETANA & DAVIES 2000) of the People's Republic of China. The main purpose of the paper is to make the new distributional records of previously described species available, as well as to address some matters concerning the taxonomy and nomenclature of several species.

Material

The material this paper is based on was collected by numerous collectors names of which appear in "New records" and is deposited in several collections. The symbols used in the text, when referring to the depositions of specimens are as follows:

ASC..... Collection of A. Smetana, Ottawa, Canada
MSC..... Collection of M. Schülke, Berlin, Germany
NMW Collection of the Naturhistorisches Museum, Wien, Austria (H. Schillhammer)
VGC..... Collection of V. Golkowski, Oelsnitz i.V., Germany
YSC..... Collection of Y. Shibata, Tokyo, Japan

For most records the number of specimens is given separately for both sexes, in cases of unsexed specimens the total is given in square brackets following the name of the collector(s).

Account of species

***Platydracus juang* SMETANA 2005**

Platydracus juang SMETANA 2005c: 22.

N e w r e c o r d s : C h i n a : Sichuan: Qingcheng Hou Shan 70km W Chengdu, 1500m 15.-20.VI. 2005, leg. S. & V. Murzin, 1 ♀ (MSC).

C o m m e n t s : This is the second known specimens of the species that was described from one female collected in northern Fujian. The species is obviously widely distributed in mainland China.

***Dinothenarus (Dinothenarus) sagaris* SMETANA 1992**

Dinothenarus sagaris SMETANA 1992: 192.

N e w r e c o r d s : C h i n a : Hubei: Dashenongjia mts. 31.5N 110.3E, 24500-2900m, 23.6.-14.7. 2003, leg. J. Turna, 1 ♂, 1 ♀ (ASC, NMW). Sichuan: Juizhaigou, 11.6.-16.6. 2001, lgt. E. Kučera, 1 ♀ (NMW); Daxue Shan Mts., north of San Ya, 3040m, 28°45.3N 101°57.9'E, 6.-12.VI.2005, leg. R. Sehnal & M. Trýzna, 7 ♂ ♂, 3 ♀ ♀ (ASC, MSC); San Ya (Eryizuxian), 2723m, 11.VI.2005, 28°43.374'N 101°56.972'E, leg. R. Sehnal & M. Trýzna, 2 ♂ ♂, 2 ♀ ♀ (ASC, VGC).

C o m m e n t s : This is the first record of this species from Hubei.

***Dinothenarus (Parabemus) szechuanensis* (BERNHAEUER 1935)**

Staphylinus szechuanensis BERNHAUER 1935: 6.

Dinothenarus szechuanensis: SMETANA & DAVIES 2000: 42.

N e w r e c o r d s : C h i n a : Sichuan: Kangding Co., Gongga Shan Mts.- N part SW Kangding, 3200-4600m, 29°46-59'N 101°45-52'E, 2.-9.6.2001, coll. L. & R. Businský, 2 ♂ ♂, 1 ♀ (ASC, YSC); Kangding & Jiulong Co. border, Mugang Ling Mts.- the central part, 4100-4800m, 29°13-24'N 101°39-45'E, 23.-30.6.2001, coll. L. & R. Businský, 1 ♂, 1 ♀ (ASC, YSC); Jiulong Co., Mugang Ling Mts., 4700-4900m, 29°11-13'N 101°42'E, 1.VII.2001, coll. L. & R. Businský, 1 ♂, 1 ♀ (ASC, YSC); pass N of Jiulong, J-Zhou Shan, 4400-4500m, alpine region, 13.-21.VI.2004, R. Fabbri leg., 1 ♀ (MSC); Wolong-Rilongguan, Balangshan pass, Ostseite, 3450-3700m, 25.VII.-5.VIII.2006, leg. A. Puchner, [2] (ASC, NMW). Yunnan: Diqing Tibet. Aut. Pref., Deqin Co., Baima Shan, pass 25km SE Deqin, 4225m, 28°19.38'N 99°05.47'E, 8.VI.2005, D.W. Wrase [06C], 1 ♂ (MSC).

C o m m e n t s : The species apparently occurs at very high mountain elevations, mostly above 4000m. Note that the species occurs together with *D. ornatus* in Mugang Ling Mts. This is the first record of this species from Yunnan.

***Dinothenarus (Parabemus) ornatus* SMETANA 2002**

Dinothenarus ornatus SMETANA 2002: 214.

N e w r e c o r d s : C h i n a : Gansu: (Labrang) valley E Ponggartang, 3000m, 35°13.25'N 102°54.17'E, coniferous forest remnant, 10.-14.VII.1999, leg. M. Janata, 1 ♀ (ASC). Sichuan: Kangding Co., Gongga Shan Mts.- 20km SW of the 7556m peak, 4000-4600m, 29°30-31'N 101°42-44'E, 18.-19.VI.2001, coll. L. & R. Businský, 1 ♂ (YSC); Kangding & Jiulong Co. border,

Mugang Ling Mts.- the central part, 4100-4800m, 29°13-24'N 101°39-45'E, 23.-30.6.2001, coll. L. & R. Businský, 2♀♀ (ASC, YSC); env. Jiuzhaigou, 19.6.2002, 3600m, A. Gorodinski leg., 5♂♂, 2♀♀ (ASC, YSC); W pass btw. Zhangla-Jiuzhaigou, 3900m, 9.-11.VII.2001, S. Murzin leg., 5♂♂, 4♀♀ (ASC, YSC); Gong Gang Ling pass btw. Songpan & Jiuzhaigou, W slope, 4000m, 27.VI.2005, S. Murzin [1] (MSC); pass 25km NNE Zhongla, 3500m, 33°04'N 103°44'E, 3.-5.VIII.2001, E. Kaláb leg., 3♂♂, 4♀♀ (ASC, YSC); Wolong-Rilongguan, Balangshan pass, Ostseite, 3450-3700m, 25.VII.-5.VIII.2006, leg. A. Puchner, 1♂ (NMW).

C o m m e n t s : The species seems to occur frequently at lower mountain elevations (unlike *D. sichuanensis*), apparently in the upper zone of the (coniferous) forest. The specimens taken in the pass 25 km NNE Zhongla were collected in "Conif. forest". Note that the species coexists with *D. sichuanensis* in Mugang Ling Mts.

***Dinothenarus (Parabemus) lama* SMETANA 2002**

Dinothenarus lama SMETANA 2002: 218.

N e w r e c o r d s : C h i n a : Sichuan: Jinping Shan Mts., W of Mofanggou, 3350m, 28°12.983'N 101°44.285'E 28.V.-4.VI.2005, R. Sehnal & M. Trýzna, 1♂, 1♀ (ASC, MSC); west of Zhier (Zi'er), 4118m, alpine forest, 28°20.507'N 101°28.014'E, 5.6.2006, leg. R. Sehnal & M. Trýzna, 1♂, 1♀ (ASC, VGC); same, 4241m, 28°20.886'N 101°28.361'E [5] (ASC, MSC). Yunnan: Dequen, 18.VII.1996, E. Kučera leg., 1♂ (ASC); Dequen city env., 3300m, 29.VI.1998, A. Gorodinski leg., 1♂ (YSC).

C o m m e n t s : The correct spelling of the locality is "DΛqΛn".

***Dinothenarus (Parabemus) regalis* SMETANA 2002**

Dinothenarus regalis SMETANA 2002: 220.

N e w r e c o r d s : C h i n a : Sichuan: Daliang Shan, Meigu, Hongxi, 19.-21.VII.1996, K. Kitawaki leg., 3♂♂, 2♀♀ (ASC, YSC); mts. 40km N Meigu (N Xichang), 2900m, 17.-19.VI.2006, S. Murzin & I. Shokhin [6] (ASC, MSC).

C o m m e n t s : These are additional specimens from Daliang Shan that support the suggestion (SMETANA 2002: 224) that *D. regalis* is endemic to Daliang Shan in southern Sichuan.

***Ocypus (Pseudocypus) calamis* SMETANA 2007**

Ocypus (Pseudocypus) calamis SMETANA 2007: 23.

N e w r e c o r d : C h i n a : Sichuan: Daxue Shan, N Moxi, 3098m, 29°50.389'N 102°02.760'E, 19.VI.2007, R. Sehnal & M. Trýzna, 3♂♂, 2♀♀ (ASC, MSC).

C o m m e n t s : These are additional specimens from the Gongga Shan range. The species may be endemic to this range.

***Collocypus gularis* SMETANA 2003**

Collocypus gularis SMETANA 2003: 84.

N e w r e c o r d s : C h i n a : Yunnan: N of Lijiang, Jade Dragon Mt., 3200m, 12.VI.1998, A.G. Gorodinski leg., 10♂♂, 9♀♀ (ASC, YSC); Zhongdian city env., 3400m, 5.VII.2000, A. Gorodinski leg., 6♂♂, 2♀♀ (ASC, YSC); NW of Zhongdian, Shudu Lake, 3500m, 20.VII.2002, 5♂♂, 2♀♀ (ASC, YSC); mts. E Zhongdian, 3400-3700m, 5.-14.VI.2006, S. Murzin & I. Shokhin [3] (MSC); Haba Mts., Bailakou pass, 3300m, 9.VII.2002, S. Murzin, I. Shokhin leg., 5♂♂, 2♀♀ (ASC, YSC); Bailakou pass, 3400m, 3600m or 3750m, 28.V.-7.VI.2006, S. Murzin & I. Shokhin [50] (ASC, MSC); Baishuitai, 9-10.7.2002, Lgt. E. Kučera [1] (MSC).

C o m m e n t s : *Collocypus gularis* is one of the frequent members of the subtribe Staphylinina in northern Yunnan, from Yulongxue Shan northwards. It is the dominant species of the subtribe in montane forest habitats in greater vicinity of Zhongdian.

***Ocychinus angustiarum* SMETANA 2006**

Ocychinus angustiarum SMETANA 2006a: 37.

C o m m e n t s : The species is here transferred to the genus *Sphaerobulbus* SMETANA 2003 (**comb.nov.**), based mainly on the configuration of the aedoeagus, and becomes a junior synonym of *Sphaerobulbus murzini* SMETANA 2003 (**syn.nov.**). Both species occur in Baimaxue Shan south of Dǎqǎn (Yunnan). Specimens of the original series of *S. angustiarum* differ in some details from the holotype of *S. murzini*, but the differences are not significant enough to justify the separation. The specimens of the original series of *S. angustiarum* were provided with the label "*Sphaerobulbus murzini* Smet. A. Smetana det. 2007".

***Ocychinus kalabi* SMETANA 2006**

Ocychinus kalabi SMETANA 2006a: 38.

C o m m e n t s : The name is a junior homonym of *Ocychinus kalabi* SMETANA 2003: 101. It is replaced here by *Ocychinus frater* nom.nov. The label "*Ocychinus frater* nom.nov., A. Smetana, 2007" was attached to the holotype.

***Ocychinus sichuanensis* SMETANA 2003**

Ocychinus sichuanensis SMETANA 2003: 97.

N e w r e c o r d : C h i n a : Sichuan: pass between Kangding-Moxi, 29.54.020'N 102.00.243'E, 3973m, 18.6.2006, lgt. R. Sehnal & M. Tryzna, 7 ♂♂, 3 ♀♀ (ASC, MSC).

C o m m e n t : The locality is apparently the Zheduo pass (Zheduo shankou).

***Sphaerobulbus bisinuatus* SMETANA 2003**

Sphaerobulbus bisinuatus SMETANA 2003: 70.

Sphaerobulbus abdominalis SMETANA 2003: 74. **syn. nov.**

N e w r e c o r d s : C h i n a : Sichuan: mts. 40km N Meigu (N Xichang), 2900m, 17.-19.VI.2006, leg. S. Murzin & I. Shokhin, [6] (ASC, MSC); Jingping Shan Mts. West of MoFangGou [or Mofanggou], 3345m, 28°12.983'N 101°44.285'E, 28.5.- 4.6.2005, R. Sehnal, M. Tryzna, 2 ♂♂ (ASC, MSC); Daxue Shan mts., N of San Ya, 3040m, 28°45.3'N 101°57.9'E, 6.-12.VI., R. Sehnal & M. Tryzna, 1 ♂ (MSC). Yunnan: W coast of Lugu lake, 2820-3000m, 30.-31.VII.2005, S. Murzin, 1 ♂ (MSC).

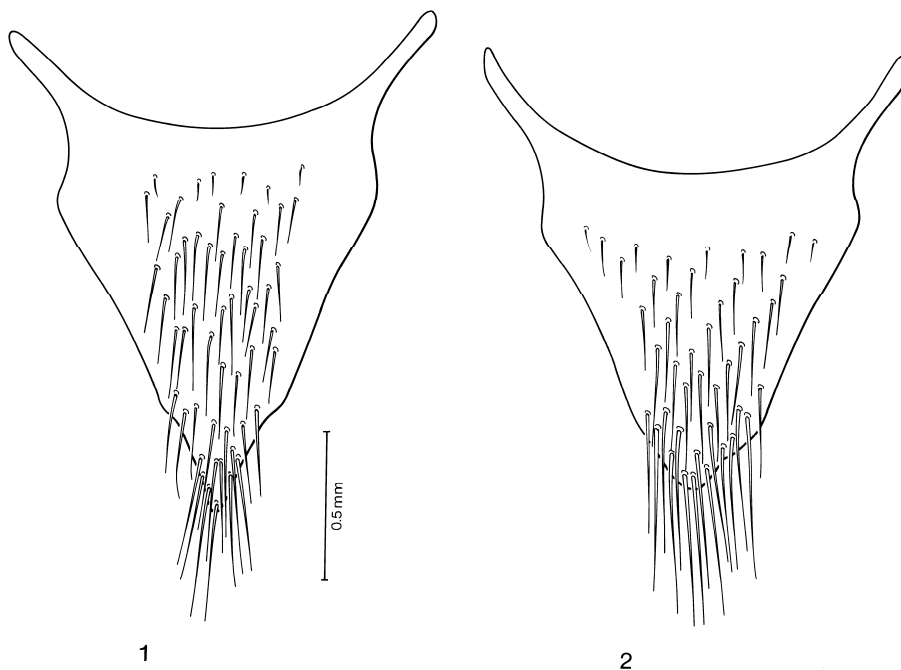
C o m m e n t s : In one of my previous papers (SMETANA 2005a, 54) I suggested that *S. bisinuatus* and *S. abdominalis* may represent two different populations of one species. Based on the study of the additional material listed above, it is apparent that it is impossible to distinguish these two species; *S. abdominalis* therefore becomes a junior objective synonym of *S. bisinuatus* (**syn. nov.**).

***Sphaerobulbus nagahatai* SMETANA 2005**

Sphaerobulbus nagahatai SMETANA 2005b: 304.

New record: China: Sichuan: Ebian Yizu Zizixian, Heizhugou, 614 Linchang, alt. 2100-2600m, 29-31.V. 2004, Y. Imura & Y. Nagahata leg., 1 ♀ (ASC).

Comment: The female of this species was previously not known. Tergite 10 of female genital segment is illustrated in Fig. 1.



Figs. 1-2: (1) *Sphaerobulbus nagahatai*, tergite 10 of female genital segment; (2) *Sphaerobulbus rex*, tergite 10 of female genital segment.

***Sphaerobulbus rex* SMETANA 2005**

Sphaerobulbus rex SMETANA 2005a: 56.

New record: China: Hubei: NW env. of Muyuping, 21.5.-6.6.2005, 31.5 N 110.15E, leg. J. Tuma, 1 ♂, 1 ♀ (ASC, NMW).

Comment: This is the first record of this species from Hubei. It was previously known only from Daba Shan in southern Shaanxi. The female of this species was previously not known. Tergite 10 of female genital segment is illustrated in Fig. 2.

***Sphaerobulbus pusio* SMETANA 2005**

Sphaerobulbus pusio SMETANA 2005a: 58.

New record: China: Sichuan: S Sichuan Liangshan Mts. S Xichang, 3000m, 1.VII. 2002, Murzin & Shokhin, 2 ♀ ♀ (ASC, MSC).

C o m m e n t s : The species was previously known only from three specimens taken in Daliang Shan in southern Sichuan. Additional specimens from an area close to the type locality of the species.

***Sphaerobulbus ornatus* SMETANA 2006**

Sphaerobulbus ornatus SMETANA 2006a: 45.

N e w r e c o r d s : C h i n a : Shaanxi: Qinling Shan Mts., Taibai Shan, Houzhenzi, 1500-2000m, 33°52'N 107°44'E, IV.-V.2000, leg. A. Plutenko, 1 ♂, 2 ♀ (ASC, MSC).

C o m m e n t s : Additional specimens from the type locality.

***Aulacocypus cavazuttii* SMETANA 2003**

Aulacocypus cavazuttii SMETANA 2003: 115.

N e w r e c o r d s : C h i n a : Hubei: Dashenongjia mts. 31.5N 110.3E, 24500-2900m, 23.6.-14.7. 2003, leg. J. Turna, 3 ♂ ♂ (ASC, NMW).

C o m m e n t s : This is the first record of this species from Hubei.

***Aulacocypus panda* SMETANA 2003**

Aulacocypus panda SMETANA 2003: 117.

N e w r e c o r d s : C h i n a : Shaanxi: Qinling Shan, 12km SW Xunyangba, 1900-2250m, 14.-18.6.2000, leg. C. Holzschuh, 1 ♂ (NMW); 15 km S Shou-Man vill., Daba Shan, 1800m, 32°08' 108°37'E, 25.5.-14.6. 2000, 4 ♂ ♂, 3 ♀ ♀ (ASC, NMW); Daba Shan, Ten'ja vill., 2200-2600m, 31°55'N 109°05'E, 18.-27.VI. 2004, Plutenko, 1 ♂ (MSC).

C o m m e n t : Additional specimens from Qinling Shan and Daba shan in Shaanxi. Note that the species occurs in Daba Shan together with *A. puetzi*.

***Aulacocypus puetzi* SMETANA 2003**

Aulacocypus puetzi SMETANA 2003: 120

N e w r e c o r d s : C h i n a : Hubei: Dashennongjia mts., 2000-3000m, 31.5N 110.3E, 21.-24.VI. 2001, 1 ♂ (YSC). Shaanxi: Daba Shan, Ten'ja vill., 2200-2600m, 31°55'N 109°05'E, 18.-27.VI. 2004, Plutenko, 1 ♀ (ASC). Sichuan: Nanping, 8.VI.2001, 2 ♀ ♀ (ASC, YSC); Str. Zw. Xinbuqiao u. Kangding, Zheduo Shankou Pass, Ostseite, 3350-4100m, 28.VII.-7.VIII.2006, leg. A. Puchner, 1 ♀ (NMW); between Shangliusuo-Luhua, 5km E of Luhua, 2400m, shrubs, 7.-28.VI.2004, leg. R. Fabbri, 1 ♀ (MSC).

C o m m e n t s : This is the first record of this species from Hubei.

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Zusammenfassung

Ocychinus angustiarum SMETANA 2006 wird zur Gattung *Sphaerobulbus* transferiert und dort mit *Sphaerobulbus murzini* SMETANA synonymisiert. *Ocychinus kalabi* SMETANA 2006 ist ein Homo-

nym von *Ocychinus kalabi* SMETANA 2003, der Ersatzname *Ocychinus frater* wird dafür vorgeschlagen. *Sphaerobulbus abdominalis* wird mit *Sphaerobulbus bisinuatus* synonymisiert. Tergit X des weiblichen Genitalsegment wird für *Sphaerobulbus nagahatai* and *S. rex* abgebildet. Zusätzliche Verbreitungsdaten für viele Arten der in der Arbeit behandelten Gattungen werden gemeldet.

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