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Review of the Genus *Platystethus* Mannerheim (Coleoptera: Staphylinidae: Oxytelinae) in China

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Abstract

Platystethus Mannerheim, currently comprising 53 species, is a widespread genus of the subfamily Oxytelinae in Northern Hemisphere. *Platystethus* species are most commonly found in dung and other decaying plant materials, occasionally on stream banks. In this paper, we reviewed all 12 species currently known from China. Three species are described as new to science: *P. bucerus* sp. nov. (from Xizang and Sichuan), *P. subnitens* sp. nov. (from Xinjiang), and *P. vicinior* sp. nov. (from Xinjiang). A synonymy is re-proposed: *P. cornutus* (Gravenhorst) = *P. operosus* Sharp. The lectotype is designated for *P. operosus* Sharp, 1874. All previously known Chinese species are redescribed and a key is provided to the species from China and adjacent regions. Diagnostic details of the treated taxa are illustrated by color photographs and by line drawings.

Key words: Staphylinidae, Oxytelinae, *Platystethus*, Taxonomy, China

R. G. Booth leg., *Platystethus alutaceus* det. R.G. Booth 1997, R.G. Booth BMNH(E) 1997-132 (BMNH); 1♀, Bookham Common, “[TQ 1256]”, 2001.VII.14, R. G. Booth leg., *P. alutaceus* Thoms. det. R.G. Booth 2001, R.G. Booth BMNH(E) 2001-151 (BMNH).

P. degener Mulsant & Rey (Figs. 31M–P; 32G–L). **UK:** 1♂, 1♀ [pinned together], Surrey, Beddington Sewage Fm, sweeping by worker, “[TQ 2966]”, 1992.V.4, R. G. Booth leg., *Platystethus degener* M & R. det. R.G. Booth 1992, Brit.Mus.(N.H.) 1992-62 (BMNH). **HUNGARY:** 2♂♂, 7♀♀, Siófok, F. Lichtneckert leg. [unreliable] (HNHM).

P. macropterus Weise (Fig. 33J–L). **Lectotype** [inadvertently designated by Gaedike (1981) referring to label of P. M. Hammond placed in 1970]: ♂, LECTO-TYPE// ♂// TYPUS// macropterus Weise// Malaga// Coll. Weise// Dtsch.Ent.Inst. Eberswalde// *Platystethus macropterus* Weise P.M. Hammond det. 1970 LECTOTYPE ♂// DEI Müncheberg Col—03379// *Platystethus macropterus* Wse (SDEI); **Paralectotype:** 1♀, PARA-LECTO-TYPE// Malaga Wehnke [Whencke]// TYPUS// Coll. Weise// Dtsch.Ent.Inst. Eberswalde// *Platystethus macropterus* Weise P.M. Hammond det. 1970 PARALECTOTYPE ♀// DEI Müncheberg Col – 03380 (SDEI).

P. praetermissus Eppelsheim (Fig. 34A, B). 1♀, *praetermissus* Epp. *Mongolei* R. det. Bernhauer, Chicago NHMUS M. Bernhauer Collection, *Platystethus praetermissus* Epp. det. P. Hammond 1969 (FMNH).

P. quedenfeldti Weise (Fig. 33E–I). **Lectotype** [inadvertently designated by Gaedike (1981) referring to label of P.M. Hammond placed in 1969]: ♂, LECTO-TYPE// Japon.// TYPUS// *Platystethus* [*sic*] *Quedenfeldtii* [*sic*] [2 or 3 more characters at margin unrecognized]// Dtsch.Ent.Inst. Eberswalde// Coll. Kraatz// *Platystethus* [*sic*] *quedenfeldti* Weise P.M.Hammond det. 1969 LECTOTYPE ♂// DEI Müncheberg Col—03381// *Platystethus quedenfeldti* Wse (SDEI). **Paralectotypes:** 1♂, PARA-LECTO-TYPE// Japon.// Coll. Weise// Dtsch.Ent.Inst. Eberswalde// *Platystethus* [*sic*] *quedenfeldti* Weise P.M.Hammond det. 1969 PARALECTOTYPE ♂// DEI Müncheberg Col—03383 (SDEI); 1♀, PARA-LECTO-TYPE// Japon.// Coll. Weise// Dtsch.Ent.Inst. Eberswalde// *Platystethus* [*sic*] *quedenfeldti* Weise P.M.Hammond det. 1969 PARALECTOTYPE ♀// DEI Müncheberg Col—03382 (SDEI); 1♀, PARA-LECTO-TYPE// Japon.// Coll. Weise// Dtsch.Ent.Inst. Eberswalde// *Platystethus* [*sic*] *quedenfeldti* Weise P.M.Hammond det. 1969 PARALECTOTYPE ♀// DEI Müncheberg Col—03384 (SDEI).

P. rugifrons Bernhauer (Fig. 34F–J). **Syntypes:** 1♂, PARA-LECTO-TYPE// Asia minor Bulghar Maaden v. Bodemeyer// *rugifrons* Brnh. (Boidylla) 3 MK.// Dtsch.Ent.Inst. Eberswalde// *Platystethus rugifrons* Bnh. P.M. Hammond det. 1973 PARALECTOTYPE ♂// DEI Müncheberg Col—03385// *Platystethus rugifrons* Bnh. (SDEI); 1♀, PARA-LECTO-TYPE// Asia minor Bulghar Maaden v. Bodemeyer// TYPUS// *rugifrons* Brnh. Type// O.Leonhard// *Platystethus* [*sic*] *rugifrons* Bernh.// Dtsch.Ent.Inst. Eberswalde// *Platystethus rugifrons* Bnh. P.M. Hammond det. 1973 PARALECTOTYPE ♀// DEI Müncheberg Col—03386 (SDEI).

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