



Title	Scirtid Beetles (Insecta, Coleoptera, Scirtidae) from Sakhalin and the Kuril Islands
Author(s)	Yoshitomi, Hiroyuki; Nikitsky, Nikolai
Citation	北海道大学総合博物館研究報告 = Bulletin of the Hokkaido University Museum, 2: 45-47
Issue Date	2004-03
Doc URL	http://hdl.handle.net/2115/47791
Type	bulletin (article)
Note	Biodiversity and Biogeography of the Kuril Islands and Sakhalin vol.1
File Information	v. 1-6.pdf



[Instructions for use](#)

Scirtid Beetles (Insecta, Coleoptera, Scirtidae) from Sakhalin and the Kuril Islands

Hiroyuki Yoshitomi¹ and Nikolai Nikitsky²

¹ Bioindicator Co., Ltd., (Sapporo Branch), N 1, W 2–11, Chūō-ku, Sapporo, 060-0001 Japan. yoshitomi@bioindicator.co.jp; ² Zoological Museum, Moscow Lomonosov State University, Herzen Street 6, Moscow K-9, 103009 Russia. Nikitsky_NB@mtu-net.ru

Abstract A total of fifteen species of the family Scirtidae (Insecta: Coleoptera) are recorded from Sakhalin and the Kuril Islands. Of these, four species, *Elodes inornata*, *Elodes wilsoni*, *Sacodes minuta*, and *Cyphon kongsbergensis*, are newly recorded from the Kuril Islands.

Introduction

Klausnitzer (1982) recorded eleven species of the family Scirtidae from Sakhalin and the Kuril Islands for the first time. Since then no other paper has been published until now.

In this short paper, we are going to show a faunal list of the family based on the previous papers and on some additional materials obtained by IKIP (International Kuril Island Project) and the second author's survey.

The specimens used in the present paper are preserved in University of Washington (Seattle, WA, USA), the Hokkaido University Museum (Sapporo, Japan), Moscow Lomonosov State University (Moscow, Russia), and in H. Yoshitomi's private collection.

List of the scirtid species recorded and collected from Sakhalin and the Kuril Islands

Genus *Elodes* Latreille, 1796

Elodes inornata Lewis, 1895

Elodes inornata Lewis, 1895, 107; Yoshitomi, 1997, 354.

Specimen examined. Kuril Islands. Kunashir Isl.: 1 female, near Mendeleevo, 15 km, sulpharic source, 3-VIII-1985, N. Nikitsky leg.

Remarks. This species is newly recorded from the Kuril Islands.

Distribution. Japan (Hokkaido, Honshu, Shikoku, Kyushu); Korea; Kuril Islands (Kunashir Isl.).

Elodes wilsoni Pic, 1918

Elodes wilsoni Pic, 1918, 17; Yoshitomi, 1997, 364.

Specimens examined. Kuril Islands. Kunashir Isl.: 2 males, near Alekhino, 13-VI-1973, M. Kurorosov leg.; 1 female, near Mendeleevo, 29-VI-1985, N. Nikitsky leg.

Remarks. This species is newly recorded from the Kuril Islands.

Distribution. Japan (Hokkaido, Honshu, Shikoku, Kyushu); Kuril Islands (Kunashir Isl.).

Elodes piceata Klausnitzer, 1982

Helodes(!) piceata Klausnitzer, 1982, 277, figs. 8–13 [Type: Kunashir, not examined].

Remarks. No specimen of this species has been available for this paper. “*Helodes*” is incorrect spelling of the generic name “*Elodes*” (see Pope 1976).

Distribution. Kuril Islands (Kunashir Isl.).

Elodes kojimai Nakane, 1963

Elodes kojimai Nakane, 1963a, 140; Yoshitomi, 1997, 375.

Flavohelodes nigrata Klausnitzer, 1982, 275, synonymized by Yoshitomi, 1997, 375.

Remarks. No specimen of this species has been available for this paper.

Distribution. Japan (Hokkaido, Honshu); Kuril Islands (Kunashir Isl.).

Genus *Sacodes* LeConte, 1853

Sacodes minima (Klausnitzer, 1973)

Helodes minima Klausnitzer, 1973, 107.

Sacodes minima: Yoshitomi, 1997, 396.

Specimens examined. Kuril Islands. Kunashir Isl.: 1 female, near Mendeleevo, 6-VII-1985, N. Nikitsky leg.; 1 female, near Mendeleevo, 26-VII-1985, N. Nikitsky leg.

Remarks. This species is newly recorded from the Kuril Islands.

Distribution. Japan (Hokkaido, Honshu, Shikoku, Kyushu); Kuril Islands (Kunashir Isl.).

Genus *Cyphon* Paykull, 1799

Cyphon obscuratus Klausnitzer, 1982

Cyphon obscuratus Klausnitzer, 1982, 283; Klausnitzer and Yoshitomi, 2003, 94.

Remarks. No specimen of this species has been available for this paper.

Distribution. Japan (Hokkaido, Honshu); Kuril Islands (Kunashir Isl.).

Cyphon ainu Nakane, 1963

Cyphon ainu Nakane, 1963b, 31; Klausnitzer and Yoshitomi, 2003, 94.

Cyphon kerzhneri Klausnitzer, 1982, 283, synonymized in Klausnitzer and Yoshitomi, 2003, 94.

Specimens examined. Sakhalin: 1 male, near Yuzhno-Sakhalinsk, 17-V-1985, N. Nikitsky leg. Kuril Islands. Kunashir Isl.: 1 male, near Mendeleevo, 20-V-1985, N. Nikitsky leg.; 3 males, near Mendeleevo, 15 km, sulphuric source, 25-VI, 4-VII-1985, N. Nikitsky leg.; 2 males, near Tretiakovo, 21 to 28-VII-1985, N. Nikitsky leg.

Distribution. Japan (Hokkaido); Kuril Islands (Kunashir Isl.); Sakhalin.

Cyphon fuscomarginatus Nakane, 1963

Cyphon fuscomarginatus Nakane, 1963b, 139; Klausnitzer and Yoshitomi, 2003, 94.

Cyphon aberratus Klausnitzer, 1982, 279, synonymized by Klausnitzer and Yoshitomi, 2003, 94.

Specimens examined. Kuril Islands. Kunashir Isl.: 2 exs., near Tretiakovo, 21-VII-1985, N. Nikitsky leg. Iturup Isl.: 3 males & 1 female, inland of NE Kasatka Bay, 45°00.47'N, 147°43.57'E, 1-VIII-1998, B. K. Urbain, IT-98-BKU-037 (IKIP-98); 4 males, inland of NE Kasatka Bay, 45°00.45'N, 147°43.68'E, 1-VIII-1998, D. J. Bennett, IT-98-DJB-042 (IKIP-98); 1 male, inland of Slavnaya Bay, 45°29.47'N, 148°37.13'E, 1-VIII-1998, D. J. Bennett, IT-98-DJB-071 (IKIP-98); 1 female, inland of NE Kasatka Bay, 45°00.35'N, 147°43.65'E, 1-VIII-1998, B. K. Urbain, IT-98-BKU-043 (IKIP-98).

Distribution. Japan (Hokkaido, Honshu); Kuril Islands (Kunashir and Iturup Isls.).

Cyphon kongsbergensis Munster, 1924

Cyphon kongsbergensis Munster, 1924, 292; Nyholm, 1972, 36.

Specimens examined. Kuril Islands. Iturup Isl.: 4 males, inland of Slavnaya Bay, 45°29.47'N, 148°37.13'E, 6-VIII-1998, D. J. Bennett, IT-98-DJB-071 (IKIP-98). Tanfilyeva Isl.: 5 males, inland Tanfil'yevka Bay, 43°26.62'N, 145°55.89'E, 19-VIII-1998, B. Urbain, TA-98-BKU-121 (IKIP-98); 1 male, inland Tanfil'yevka Bay, 43°26.62'N, 145°55.89'E, 19-VIII-1998, D. J. Bennett, TA-98-DJB-119 (IKIP-98); 1 female, inland Tanfil'yevka Bay, 43°26.62'N, 145°55.89'E, 19-VIII-1998, D. J.

Bennett, TA-98-DJB-117 (IKIP-98). Polonskogo Isl.: 1 male, inland from western side, 43°38.38'N, 146°18.58'E, 21-VIII-1998, D. J. Bennett, PO-98-DJB-135 (IKIP-98).

Remarks. This species is newly recorded from the Kuril Islands. The species is closely related to *Cyphon consobrinus* Nyholm, 1950, and is distinguished from it by the characteristics of male 9th sternite and female prehensor.

Distribution. Europe; Kuril Islands (Iturup, Tanfilyeva, Polonskogo Isls.).

Cyphon consobrinus Nyholm, 1950

Cyphon consobrinus Nyholm, 1950, 1–5 [Type: female, Amur, not examined]; Klausnitzer, 1980, 123 [description of male, Ussuri]; 1982, 285 [recorded from Kuril Islands]; Yoshitomi, 2002a, 214.

Specimens examined. Kuril Islands. Kunashir Isl.: 5 males, BtwL ks Aliger Lagunnoye, 44°03.25'N, 145°44.91'E, 11-VIII-1998, B. K. Urbain, KU-98-BKU-072 (IKIP-98).

Remarks. This species was redescribed in detail by Yoshitomi (2002a) based on the Japanese specimens.

Distribution. Japan (Hokkaido, Honshu, Shikoku, Tsushima); Kuril Islands (Kunashir Isl.); Russia (Amur, Ussuri).

Cyphon patiens Klausnitzer, 1982

Cyphon patiens Klausnitzer, 1982, 280, figs. 17–20 [Type: Kunashir, not examined].

Remarks. No specimen of this species has been studied for this paper.

Distribution. Kuril Islands (Kunashir Isl.).

Cyphon echinatus Klausnitzer, 1982

Cyphon echinatus Klausnitzer, 1982, 282, figs. 27–31 [Type: Kunashir, not examined].

Remarks. No specimen of this species has been studied for this paper.

Distribution. Kuril Islands (Kunashir Isl.).

Cyphon pubescens (Fabricius, 1792)

Cistela pubescens Fabricius, 1792, 47.

Cyphon pubescens: Nyholm, 1972, 53; Klausnitzer, 1982, 284 [recorded from Sakhalin].

Remarks. No specimen of this species has been studied for this paper.

Distribution. Europe; Russia (Sakhalin).

Cyphon variabilis (Thunberg, 1787)

Cantharis variabilis Thunberg, 1787, 54.

Cyphon variabilis: Nyholm, 1972, 44; Klausnitzer, 1982, 284 [recorded from Kuril].

Remarks. No specimen of this species has been studied for this paper.

Distribution. Japan (Hokkaido); Kuril Islands (Kunashir, Iturup Isls.); Europe; Asia; N. America; N.

Africa; C. America; New Zealand.

Cyphon padi (Linnaeus, 1758)

Chrysomela padi Linnaeus, 1758, 369.

Cyphon padi: Nyholm, 1972, 60; Klausnitzer, 1982, 284 [recorded from Kuril Islands and Sakhalin].

Remarks. No specimen of this species has been studied for this paper. Yoshitomi (2002a) in his PhD thesis, which will be contributed in near future, recorded this species from Hokkaido for the first time.

Distribution. Japan (Hokkaido); Kuril Islands (Kunashir Isl.); Russia (Sakhalin); Europe; Asia; North America.

Discussion

Thirteen scirtid species are recorded from Kunashir Island in this paper. Of these, ten species are also distributed in Hokkaido where sixteen scirtid species are recorded (Yoshitomi 2002b; Yoshitomi and Hori 2003). This suggests high similarity of the scirtid fauna between Hokkaido and Kunashir. However, information of the species is too scarce to discuss the scirtid fauna in the Russian Far East (except for Kunashir Isl.). Therefore further survey in this area will be expected.

Acknowledgements

We wish express hearty thanks to Dr. B. Klausnitzer (Dresden), Dr. M.V.L. Barclay (Department of Entomology, The Natural History Museum, London), Dr. M. Ôhara (The Hokkaido University Museum), Dr. S. Hashimoto (Aichi Pref.) and Dr. H. Takizawa (Bioindicator Co., Ltd.) for their kind help in many ways.

This work is supported in part by the Japan Society for the Promotion of Science, Grant No. BSAR-401, Kunio Amaoka, principal investigator, and by the International Program Division and the Biological Science Directorate (Biotic Survey and Inventories Program) of the U.S. National Foundation, Grant No. DEB-9400821 and DEB-9505031, Theodore W. Pietsch, principal investigator.

References

- FABRICIUS, J.C., 1792. *Entomologica Systematica emendata et aucta. Secundum classes, ordines, genera, species adjectis synonymis, locis, observationibus, descriptionibus. Hafniae*, Vol. 1, pars 1, 20+330 pp. C.G. Proft, Hafniae.
- KLAUSNITZER, B., 1973. Zur Kenntnis der Gattung *Helodes* Latr. (Col. Helodidae) (16. Beitrag zur kenntnis der Helodidae). 5. Fortsetzung. *Ent. Nachr., Dresden* 17, 73–78.
- KLAUSNITZER, B., 1980. Bemerkenswerte *Cyphon*-funde aus der Sowjetunion (Col., Helodidae). *Ent. Nachr., Dresden* 8, 123–126.
- KLAUSNITZER, B., 1982. Zur Kenntnis der Helodidae von Sachalin und den Kurilen-Inseln, UdSSR (Col.). *Pol. Pismo Ent.* 52, 275–285.
- KLAUSNITZER, B. AND YOSHITOMI, H., 2003. Notes on some homonyms and synonyms of the scirtid species (Coleoptera, Scirtidae). *Elytra* 31, 93–95.
- LEWIS, G., 1895. On the Dascillidae and malacoderm Coleoptera of Japan. *Annals and Magazine of natural History* (6)16, 98–122.
- LINNAEUS, C., 1758. *Systematic Nature per regna tria naturae, secundum classes, ordines, genera, species cum characteribus, differentiis, synonymis, locis. Editio decima, reformata*. Tomus 1. Holmiae, [4]+823 pp.
- MUNSTER, T., 1924. Nova etc. ex Norvegia. 4. *Cyphon kongsbergensis* n. sp. *Norsk Entom. Tss.* 1, 292–293.
- NAKANE, T., 1963a. Helodidae. In: T. Nakane, et al. eds. *Iconographia Insectorum Japonicorum Colore naturali edita 2* (Coleoptera), 139–140, pl. 70. (In Japanese.)
- NAKANE, T., 1963b. A list of Coleoptera from the Siretoko Peninsula, Hokkaido, Japan (Insecta). *Scient. Rept. Kyoto pref., Univ., (Nat. & Liv. Sci.)* 3(5), 23–31.
- NYHOLM, T., 1950. Studien über die Familie Helodidae IV. *Archiv für Zoologie* 42A (24), 1–5.
- NYHOLM, T., 1972. Die nordeuropäischen Arten der gattung *Cyphon* Paykull. *Taxonomie, Biologie, Ökologie und Verbreitung. Ent. scand.* (Suppl.) 3, 1–100.
- PIC, M., 1918. Nouveautés diverses. *Mélanges exotico-entomologiques* 29, 7–24.
- POPE, R. D., 1976. Nomenclatorial notes on the British Scirtidae (=Helodidae) (Col.). *Entomologist's monthly Magazine* 111, 186–187.
- THUNBERG, C.P., 1787. *Museum naturalium Academiae Upsaliensis. Dissert. Pars 3* (Resp. G. Ekeberg), pp. 33–42. Johan. Edman, Upsaliae.
- YOSHITOMI, H., 1997. A revision of the Japanese species of the genera *Elodes* and *Sacodes* (Coleoptera, Scirtidae). *Elytra* 25, 349–417.
- YOSHITOMI, H., 2002a. *Systematic revision of the family Scirtidae of Japan (Insecta: Coleoptera, Scirtoidea)*. PhD thesis, Ehime University.
- YOSHITOMI, H., 2002b. An explanation of the Japanese Scirtidae. *Nature and Science* 37 (13), 32–35. (In Japanese.)
- YOSHITOMI, H. AND HORI, S., 2003. New record of scirtid species (Coleoptera, Scirtidae) from Hokkaido. *Elytra* 31, 360.