

LIMNICHIDAE:

I. Check list and bibliography of the Limnichidae of China and neighbouring countries (Coleoptera)

A. Pütz

Abstract

The Limnichidae (Coleoptera) of Bangladesh, Burma, Cambodia, China, India, Japan, Laos, Nepal, Russian Far East, Sri Lanka and Vietnam are listed. Five genera and 17 species are reported from China.

Key words: Coleoptera, Limnichidae, Bangladesh, Burma, Cambodia, China, India, Japan, Laos, Nepal, Russian Far East, Sri Lanka, Vietnam, check list.

Introduction

The family Limnichidae belongs to the superfamily Dryopoidea (sensu CROWSON 1978) or Byrrhoidea (sensu LAWRENCE & NEWTON 1995). Over 35 genera and more than 220 species of Limnichidae have been described world-wide. Five subfamilies are currently recognized: Bothriophorinae, Cephalobyrrhinae, Hyphalinae, Limnichinae and Thaumastodinae. The general treatment and arrangement of the taxa of the family must be considered inadequate. Reasons for that are the lack of specialists and the general "unpopularity" of the family. Presently, the fauna of the Western Hemisphere is better known than that of other regions. Only a few general publications are available for the faunas of Africa, Asia and Australia. For the European fauna modern revisions are missing completely.

Very little is known about the biology and the habitats of limnichids. Larvae and adults of most members of this family inhabit shores of freshwater habitats; some limnichids live in intertidal marine habitats on rocky limestone, mud, or sandy shores often associated with mangrove lagoons. Other limnichid taxa have been collected from sugar cane fields, on blossoms or under bark. Adults and larvae feed on algae and moss. Most of the limnichids are capable of flying and many are widely distributed. Some species are attracted to light.

Check lists of the Limnichidae of China and neighbouring countries

All records given below result from the literature.

1. China

- Acontosceles hydroporooides* CHAMPION, 1924
- Babalimnichus taiwanus* SATÔ, 1994
- Byrrhinus formosanus* PIC, 1935
- Byrrhinus orientalis* (SHARP, 1902)
- Cephalobyrrhus bertiae* PUTZ, 1998
- Cephalobyrrhus brevipalpis* PUTZ, 1998
- Cephalobyrrhus emeishanensis* PUTZ, 1998
- Cephalobyrrhus jacchi* PUTZ, 1998
- Cephalobyrrhus jiangxiensis* PUTZ, 1998

- Cephalobyrrhus jinggangshanensis* PUTZ, 1998
- Cephalobyrrhus latus* PIC, 1923
- Cephalobyrrhus longipalpis* PUTZ, 1998
- Cephalobyrrhus schillhammeri* PUTZ, 1998
- Cephalobyrrhus schuelkei* PUTZ, 1998
- Cephalobyrrhus sichuanensis* PUTZ, 1998
- Limnichus fulvopubens* PIC, 1922
- Limnichus lewisi* NAKANE, 1963
- Pelochares ryukyuensis* SATÔ, 1966

2. Russian Far East

Limnichus lewisi NAKANE, 1963

3. Japan

Acontosceles yoroi SATÔ, 1966

Babalimnichus masamii SATÔ, 1994

Cephalobyrrus japonicus CHAMPION, 1925

Chibidorus aureus SATÔ, 1966

Hyphalus taekoeae SATÔ, 1997

Linnichomorphus ohbayashii SATÔ, 1966

Limnichus lewisi NAKANE, 1963

Pelochares ryukyuensis SATÔ, 1966

4. Nepal

Cephalobyrrus nepalensis PUTZ, 1998

5. India

Acontosceles hydroporoides CHAMPION, 1924

Byrrhinus angustatus MOTSCHULSKY, 1858

Byrrhinus ellypticus MOTSCHULSKY, 1858

Byrrhinus euryaspis CHAMPION, 1923

Byrrhinus flavicornis CHAMPION, 1923

Byrrhinus fuscus MOTSCHULSKY, 1858

Byrrhinus hirsutulus CHAMPION, 1923

Byrrhinus latus MOTSCHULSKY, 1858

Byrrhinus marginatus CHAMPION, 1923

Byrrhinus monilicornis CHAMPION, 1923

Byrrhinus nitidulus MOTSCHULSKY, 1858

Byrrhinus rhomboideus CHAMPION, 1923

Byrrhinus sikkimensis CHAMPION, 1923

Caccothryptus multiseriatus CHAMPION, 1923

Caccothryptus ripicola CHAMPION, 1923

Caccothryptus testudo CHAMPION, 1923

Cephalobyrrus gibbicollis CHAMPION, 1925

Cephalobyrrus subelongatus PIC, 1923

Limnichus astruei PIC, 1922

Limnichus cuneatus CHAMPION, 1923

Limnichus falsus DELÈVE, 1971

Limnichus globosus CHAMPION, 1923

Limnichus longitarsis CHAMPION, 1923

Limnichus micraspis CHAMPION, 1923

Limnichus oblitteratus CHAMPION, 1923

Limnichus subnotatus CHAMPION, 1923

Limnichus trachyformis PIC, 1922

Limnichus unistriatus CHAMPION, 1923

Mandersia scymnooides SHARP, 1902

Parathroscinus oculatus (MOTSCHULSKY, 1858)

Pelochares acuminatus CHAMPION, 1923

Pelochares gibbipennis CHAMPION, 1923

Pelochares oblongulus CHAMPION, 1925

Pelochares rugiventris CHAMPION, 1923

Platypelochares latimargo CHAMPION, 1923

Pseudeucinetus zygops HELLER, 1921

6. Sri Lanka

Byrrhinus cribrosus CHAMPION, 1923

Byrrhinus latus MOTSCHULSKY, 1858

Pelochares orientalis (MOTSCHULSKY, 1861)

Pelochares rugiventris CHAMPION, 1923

Pelochares sulciger CHAMPION, 1923

7. Burma

Byrrhinus latus MOTSCHULSKY, 1858

Mandersia scymnooides SHARP, 1902

Parathroscinus oculatus (MOTSCHULSKY, 1858)

Pelochares gibbipennis CHAMPION, 1923

Platypelochares trifidus CHAMPION, 1923

8. Bangladesh

Byrrhinus latus MOTSCHULSKY, 1858

9. Vietnam

Byrrhinus binhanus (PIC, 1923)

Byrrhinus niger PIC, 1922

Caccothryptus compactus SHARP, 1902

Limnichus aeneipennis PIC, 1935

Limnichus coomani PIC, 1935

Limnichus tonkineus FAIRMAIRE, 1888

Limnicomorphus curtulus PIC, 1922

10. Laos

Caccothryptus laosensis (PIC, 1928)

11. Cambodia

Limnichus vitalisi PIC, 1935

Acknowledgements

Thanks are due to Carles Hernando, Prof. Masataka Satô and Dr. Paul J. Spangler for their comments on the manuscript.

References

- This bibliography is a compilation of the most relevant papers about the Limnichidae of China and neighbouring areas. Most of these references are not cited in the running text.
- CHAMPION, G.C. 1923: Some Indian Coleoptera (12). - The Entomologist's Monthly Magazine 59: 219-224, 247-253, 269-277.
- CHAMPION, G.C. 1924: On a new subfamily of clavicorn coleoptera. - The Entomologist's Monthly Magazine 60: 25-29.
- CHAMPION, G.C. 1925: Some Indian (And Tibetan) Coleoptera (17). - The Entomologist's Monthly Magazine 61: 169-181.
- CROWSON, R.A. 1978: Problems of Phylogenetic Relationships in Dryopoidea (Coleoptera). - Entomologica Germanica 4 (3/4): 250-257.

- DELÈVE, J. 1971: Contribution à l'étude des Dryopoidea 23: De quelques Ptilodactylidae et Limnichidae asiatiques de la collection Pic. - Bulletin et Annales de la Société Royal d'Entomologie de Belgique 107: 352-376.
- DELÈVE, J. 1973: Limnichidae, Dryopidae, et Elmiminthidae des Isles Philippines et de l'Archipel Bismarck (Insecta, Coleoptera, Dryopoidea). - Steenstrupia 3: 17-30.
- HELLER, H.E. 1921: Philippinische Melandryidae. - Entomologische Blätter 17: 155-157.
- JÄCH, M.A. 1984: Die Koleopterenfauna der Bergbäche von Südwest-Ceylon. - Archiv für Hydrobiologie, Supplementband 69 (Monographische Beiträge): 228-332.
- LAHER, G.S. 1996: Zem. Limnichidae-Lshepilulshiki. In: Ler, P. A. (ed.): Opredelitel nasekomykh Dalnego Vostoka Possii. Vol. 3, Zhestkokrylye ili Zhuki, Tshast 3. - Dalnauka, Vladivostok: 556 pp.
- LAWRENCE J.F. & NEWTON A.F. 1995: Families and subfamilies of Coleoptera (with selected genera, notes, references and data on family group names). Pp. 779-1006. In: Pakaluk J. & Slipinski A. (eds.): biology, phylogeny and classification of Coleoptera. Papers celebrating the 80th birthday of Roy A. Crowson. Warszawa: Museum i Instytut Zoologii PAN, 1006 pp.
- LI, J. 1992: The Coleoptera Fauna of Northeast China. - Jilin: Jilin Education Publishing House: 205 pp.
- MOTSCHULSKY, V. 1858: Insectes des Indes orientales. - Études Entomologiques, Helsingfors 7: 20-122.
- MOTSCHULSKY, V. 1861: Essai dun catalogue des Insectes de Ceylan I. - Bulletin de la Société Impérial des Naturalistes de Moscou 34 (2): 95-155.
- PIC, M. 1922: Nouveautés diverses. - Mélanges Exotico-Entomologiques 36: 32 pp.
- PIC, M. 1923: Nouveautés diverses. - Mélanges Exotico-Entomologiques 40: 32 pp.
- PIC, M. 1928: Nouveautés diverses. - Mélanges Exotico-Entomologiques 52: 32 pp.
- PIC, M. 1935: Nouveautés diverses. - Mélanges Exotico-Entomologiques 66: 36 pp.
- PÜTZ, A. 1998: Limnichidae: II. Taxonomic revision of the genus *Cephalobyrhus* Pic (Coleoptera), pp. 339 - 371. - In Jäch, M.A. & Ji, L. (eds.): Water Beetles of China. - Wien: Zoologisch-Botanische Gesellschaft in Österreich und Wiener Coleopterologenverein, 371 pp.
- SATŌ, M. 1965: The Limnichid-Beetles of Formosa. - Special Bulletin of the Lepidopterological Society of Japan 1: 121-125.
- SATŌ, M. 1966: The Limnichid-Beetles of Japan. - Transactions of the Shikoku Entomological Society 9 (2): 55-62.
- SATŌ, M. 1994: Note on the genus *Pseudeucinetus* Heller and its new relative (Coleoptera, Limnichidae). - Special Bulletin of the Essa entomological Society, Niigata (2): 173-177.
- SATŌ, M. 1997: Occurrence of a New *Hyphalus* (Coleoptera, Limnichidae) from the Ryukyu Archipelago, Japan. - Elytra, Tokyo 25 (1): 109-112.
- SHARP, D. 1902: Descriptions of Oriental Limnichini (Coleoptera, Fam. Byrrhidae). - The Entomologist's Monthly Magazine 38: 61-64.
- SPANGLER, P.J. 1995: A review and two new species of the genus *Pseudeucinetus* Heller from Southeast Asia and a World Checklist of the Thaumastodinae (Coleoptera, Limnichidae). - Special Bulletin of the Japanese Society of Coleopterology, Tokyo 4: 395-405.
- WOOLDRIDGE, D.P. 1984: *Parathroscinus*, a new genus of beetles from Southeast Asia (Limnichidae: Cephalobyrrhinac). - New York Entomological Society 92 (2): 121-124.
- WOOLDRIDGE, D.P. 1990a: Lectotype designation for some oriental Limnichidae (Coleoptera: Dryopidea). - The Coleopterologists Bulletin 44 (1): 89-93.
- WOOLDRIDGE, D.P. 1990b: Three new *Parathroscinus* from Singapore (Cleoptera: Limnichidae). - Raffles Bulletin of Zoology 38 (2): 251-255.
- WOOLDRIDGE, D.P. 1995: Nomenclatural changes in Pelochares Mulsant of Sri Lanka (Coleoptera: Limnichidae: Limnichinac). - The Coleopterists Bulletin 49 (4): 326.
- WU, C. F. [Hu, Jingfu] 1937: Catalogus insectorum sinensium (Catalogue of Chinese insects). Vol. III. - Peiping (Beijing): The Fan Memorial Institute of Biology, 1312 pp.
- YANG, C. 1994: Coleoptera 17. - In Morse, C., Yang, L. & Tian, L. (eds.): Aquatic insects of China useful for monitoring water quality. - Nanjing: Hohai University Press, pp. 330-391.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Water Beetles of China](#)

Jahr/Year: 1998

Band/Volume: [2](#)

Autor(en)/Author(s): Pütz Andreas

Artikel/Article: [Limnichidae: I. Check list and bibliography of the
Limnichidae of China and neighbouring countries \(Coleoptera\) 337-339](#)