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FAR EASTERN BRANCH
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INSTITUTE OF BIOLOGY AND SOIL SCIENCE
A.V. ZHIRMUNSKY INSTITUTE OF MARINE BIOLOGY
PRIMORSKY AQUARIUM
FAR EASTERN FEDERAL UNIVERSITY
PRIMORSKY BRANCH OF THE HYDROBIOLOGICAL SOCIETY AT RUSSIAN
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ABSTRACT BOOK

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The 3rd International Symposium of Benthological Society of Asia is held in Vladivostok, Russia, from 24 to 27 August 2016, then from 27 to 31 August 2016 is continuing as The First International Youth Freshwater Ecology School. Various aspects of freshwater and marine biodiversity, biology and ecology problems are in the focus of the Symposium papers. Special attention has been paid to conservation of waters in the urban and wildlife areas of Asian region. Water quality and transboundary water ecosystem monitoring and control are considered at the international point of view as well as questions of ecological education and involving of public to water resources protection. The future international cooperation in different branches of benthological fundamental and applied sciences is discussed.

The book will be interesting for specialists in biology, ecology and biogeography, for practical workers, students and public deal with the water ecosystems protection, monitoring and control.

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(O3) ADDITIONAL DATA ON SMALL BIVALVE FAUNA (PISIDIOIDEA)
OF THE KHINGANSKY STATE NATURE RESERVE (AMURSKAYA
OBLAST, RUSSIA)

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Small bivalve mollusks of the families Sphaeriidae, Pisidiidae, Euglesidae (Bivalvia: Pisidioidea) were collected in the Khingansky reserve during the period 2006–2015. Natural water bodies of different ecological types, lakes and rivers, creeks and fens were studied by first author in the plain, foothills and mountainous parts of reserve.

Almost 500 shells and specimens were fixed in 75 % alcohol; the collection is now deposited at the Institute of Biology and Soil Science FEB RAS, Vladivostok.

Shells and specimens were investigated by conchological, anatomical and SEM methods based on second author original study. Conchological characters include shell outline, sculpture, features of hinge, ligament, muscle scars and pores; the most important structures are illustrated on the SEM photographs. Anatomical characters were studied in situ and figured with a camera lucida. We used Russian taxonomic system.

At present, fourteen species of small bivalves from six genera and three families Pisidioidea were found. The Sphaeriidae are represented by three species, the Pisidiidae by one species, the most numerous were the Euglesidae, with ten species by five genera.

In the mountainous and plain parts only one species *Amureuglesa khurbaensis* (Zatrawkin, 1987) was found, occurring in different types of waters. This endemic species of the genus *Amureuglesa* from the family Euglesidae was described by M.N. Zatrawkin from upper and middle part of the Bureya River basin.

Two endemic species, *Euglesa koltschomensis* Zatrawkin, 1987 and *Henslowiana izzatullaevi* (Zatrawkin, 1987), were found in the rivers. Five bivalve species with fragile shells lives in fen water bodies: *Musculium creplini* (Dunker, 1845), *Cyclocalyx cor* (Starobogatov et Streletzkaja, 1967), *C. hinzi* (Kuiper, 1975) *C. johanseni* (Dolgin et Korniushev, 1994), *C. lapponicus* (Clessin in Westerlund, 1873).

Three species were listed in the Khingansky Reserve for the first time: *Cingulipisidium nitidum* (Jenyns, 1832), *Euglesa casertana* (Poli, 1791), *Henslowiana lilljeborgii* (Clessin in Esmark et Hoyer, 1886). The majority of species are distributed in the Holartic and Palaearctic Region (57 %), while the other species have distribution in the Amur River basin (43 %).

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Key words: small bivalve mollusks, Khingansky Reserve, Pisidioidea

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