



**ABSTRACTS OF THE CONFERENCE
MOLLUSKS OF THE NORTHEASTERN ASIA
AND NORTHERN PACIFIC: BIODIVERSITY, ECOLOGY,
BIOGEOGRAPHY AND FAUNAL HISTORY**

**October 4-6, 2004,
Vladivostok, Russia**

**ТЕЗИСЫ ДОКЛАДОВ КОНФЕРЕНЦИИ
МОЛЛЮСКИ СЕВЕРО-ВОСТОЧНОЙ АЗИИ
И СЕВЕРНОЙ ПАЦИФИКИ: БИОРАЗНООБРАЗИЕ,
ЭКОЛОГИЯ, БИОГЕОГРАФИЯ И ИСТОРИЯ ФАУНЫ**

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End of Table

Locus	Species	<i>Buccinum</i>	<i>Buccinum</i>	<i>Buccinum</i>	<i>Buccinum</i>	<i>Buccinum</i>
(Q. struct.)	Genotype	<i>osagawai</i>	<i>kinukatsugai</i>	<i>B. r. tsubai</i>	<i>ectomycima</i>	<i>miyauchii</i>
Pr-M5	1.20/1.20	0.066	–	–	–	–
(MM)	1.20/1.00	0.387	–	–	–	–
	1.00/1.00	0.547	0.880	0.467	–	–
	1.00/0.80	–	0.067	0.418	–	0.007
	0.80/0.80	–	0.020	0.098	0.192	0.944
	0.80/0.70	–	–	–	–	0.028
	0.70/0.70	–	–	–	–	0.007
	0.80/0.60	–	0.033	–	0.444	–
	0.60/0.60	–	–	–	0.365	–
	Rare genotypes:	–	–	0.017	–	0.014
	N-ex. (N-smp.)	1978 (36)	150 (3)	297 (6)	595 (19)	145 (2)

Notes: *N-ex* (*N-smp.*) – number of exemplars (number of samples), *Q. struct.* – quaternary structure: *MM* – monomeric, *DM* – dimeric.

SPECIES CONTENT OF THE FAMILY PLANORBIDAE (GASTROPODA, PULMONATA) OF THE TUVA REPUBLIC (CENTRAL ASIA)

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The family Planorbidae Rafinesque, 1815 is diverse and widely distributed in water bodies of the Tuva Republic. The first data on Tuva Planorbidae were reported by V. N. Greze (Greze, 1957), A. N. Gundrizer and M. A. Ivanova (Gundrizer, Ivanova, 1969). They listed *Anisus* (*Gyraulus*) *albus* (O. F. Muller, 1774) (probably error of identification), inhabiting Chagytai Lake, six species of *Anisus* (*Gyraulus*), four species of *Planorbis* (Geoffroy, 1767), and one species of *Planorbarius* (Froriep, 1806) as *Coretus* (Adanson, 1757) from southern Tuva in the region of Ubsunur Lake. Later on other eight species of Planorbidae were added to the Tuva malacofauna (Prozorova, Sharyi-ool, 1999).

During our study 350 samples of Planorbidae from malacological collection of the Institute of Biology and Soil Science FEB RAS, Vladivostok, were examined.

Below there is a table summarizing both original and literature data on freshwater snails of Planorbidae, found in the Republic of Tuva.

List of Planorbidae species in the Tuva Republic

- Genus *Segmentina* Fleming, 1817 – new record
1. *Segmentina* sp. (shell broken) – new record
- Genus *Armiger* Hartmann, 1840
2. *Armiger annandalei* (Germain, 1918) – Izzatullaev, 1984; Prozorova, Starobogatov, 1996
- Genus *Choanomphalus* Gerstfeldt, 1859 – new record
3. *C. (Pseudogyraulus) planoconcavus* (Westerlund, 1897) – new record
- Genus *Anisus* Studer, 1820
4. *Anisus (Disculifer) johanseni* (Mozley, 1935) Prozorova, Sharyi-ool, 1999; Prozorova, 2003
5. *Anisus (Anisus s. str.) septemgyratus* (Rossmoesler, 1835) – new record
6. *Anisus (Bathyomphalus) crassus* (Da Costa, 1778) – Prozorova, Sharyi-ool, 1999
7. *A. (Gyraulus) stroemi* (Westerlund, 1881) – Prozorova, Sharyi-ool, 1999
8. *A. (Gyraulus) draparnaldi* (Shepard, 1823) – Prozorova, Sharyi-ool, 1999
9. *A. (Gyraulus) acronicus* (Ferrussac, 1807) – Gundrizer, Ivanova, 1969; Prozorova, Sharyi-ool, 1999; Prozorova, 2003
10. *A. (Gyraulus) stelmachotius* (Bourquignat, 1860) – Prozorova, Sharyi-ool, 1999; Prozorova, 2003
11. *A. (Gyraulus) infraliratus* (Westerlund, 1876) – Prozorova, Sharyi-ool, 1999; Prozorova, 2003
12. *A. (Gyraulus) terekcholicus* Prozorova et Starobogatov, 1997 – Prozorova, Starobogatov, 1997; Prozorova, Sharyi-ool, 1999; Prozorova, 2003
13. *A. (Gyraulus) buriaticus* Prozorova et Starobogatov, 1997 – new record
14. *A. (Gyraulus) baicalicus* (W. Dybowski, 1913) – new record
15. *A. (Gyraulus) sibiricus* (Dunker, 1848) – new record
16. *A. (Gyraulus) borealis* (Westerlund, 1877) – Prozorova, Sharyi-ool, 1999; Prozorova, 2003
17. *A. (Gyraulus) sretenskiensis* Prozorova et Starobogatov, 1997 – new record
18. *Anisus (Gyraulus) sp. n.* – new record
- Genus *Planorbarius* (Froriep, 1806)
19. *Planorbarius (Planorbarius) corneus* (L., 1758) – Gundrizer, Ivanova, 1969 (as *Coretus*)

In the results of our study, 19 freshwater snails in 5 genera of the family Planorbidae were found to inhabit Tuva Republic. Two genera (*Segmentina*, *Choanomphalus*) and eight species were recorded as new for Tuva Republic. One species *Anisus* sp. n. is identified as new for science. European species *A. albus* is struck off the list of Tuva freshwater mollusks. Representatives of *Anisus* are distributed everywhere in Tuva. Genera *Segmentina*, *Armiger* and *Choanomphalus* are found in Enisey River drainage only.

Reproductive anatomy of *Anisus baicalicus*, *A. terekcholicus*, *A. borealis* and *Anisus* sp. n. are studied for the first time. Significant differences in structure of prostate, stylet and seminal receptacle of these species are revealed. Anatomy of new species differs from that of other *Anisus* (*Gyraulus*) species significantly, and thus, a new for science subgenus of genus *Anisus* may be described.