

BREEDING COLLECTION ON EXOTIC SPECIES OF MOLLUSCS USED FOR THE TUTORIAL PURPOSES OF THE "BREEDING OF SPINELESS ANIMALS" SUBJECT AT THE DEPARTMENT OF ZOOLOGY AND FISHERY AF ČZU

Chovná kolekce exotických druhů měkkýšů využívaná k výuce „chovu bezobratlých živočichů“ na katedře zoologie a rybářství AF ČZU

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Souhrn, klíčová slova

Autor představuje chovnou kolekci exotických ulitnatých měkkýšů, kterou nashromáždil a udržuje v chovu. Chování měkkýšů jsou přímo využívány v rámci výuky předmětu „Chovy bezobratlých živočichů“ na agronomické fakultě, slouží též jako cenný modelový materiál pro studium ekologie a bionomie plžů chovaných v zajetí. Kolekce až dosud umožnila studium 14 taxonů.

Mollusca, exotické druhy, chovná kolekce

Summary, keywords

The author presents breeding collection of exotic molluscs, which he has collected and keeps in breeding. The bred molluscs are being used directly for the tutorial purposes of the „Spineless animals breeding“ subject at the Agronomic faculty. It also serves as an essential model material for the study of ecology and bionomy of molluscs bred in captivity. The collection has so far enabled the study of 14 taxons.

Molluscs, exotic species, breeding collection

Introduction

The subject called „Spineless animals breeding“ was opened at the Agronomic Faculty in the year 2000 - 2001. It is guaranteed by the author of this report and this subject is being lectured only here. As a part of this subject there is also lectured a breeding of molluscs, where there are emphasised two major topics: meat production of some species and rescue breedings of endangered species. A collection of living molluscs have been collected for the purposes of this subject. A target of this report is to present a part of the collection, which includes more or less exotic species, which we have managed to breed 14 taxons.

Methods

The collection had been started before the subject was launched – approximately in 1999. The bred material is being obtained either by purchasing or as gifts from scientists, who worked in exotic countries. The bred equipment was mainly financed from private means of the author and partly from the Zoology division and partly from internal AF grants. The same means are used to cover the collection maintenance. The breedings are partly deposited in a private property of the author and partly in the object of the Zoology division in an experimental stable, where there are presently run diploma and doctoral research works. The observation and experimental works with the living molluscs have already brought first publications: Funk et Vrabec (2000, 2002), Hes, et al. (2001, 2002a, b, c, d), Vrabec (2001a, b), Vrabec et Fechtner (2000), Vrabec et Funk (2001a, b), Vrabec et al. (2002), Vrabec et Matoušek (2001a, b). There are advanced cooperations among other bred collections in the CZ (mainly the ZOO Plzeň) and in abroad (ZOO Poznaň). There is a perspective of further growing

of the collection and a subsequent development of a scientific research thanks to the progressive research of breeding conditions, breeding biology of molluscs and other problems. Regarding that we welcome any addition into our live collection.

Results

List of the bred taxons

The species listed below are only species that do not occur in the nature of the Czech Republic. The species ranging is according to the system used in Abbot (1989), corrigated by Pflieger (1999), the nomenclature of the genus *Achatina* is according to Bequaert (1950). There is a locality after the latin name, in case the material was obtained straight from the nature. Species that were successfully bred are marked with *. Marks +, -, † or the abbreviation „S“ describe the present stage of our bred population: + = number of individuals is rising, - = number of individuals is decreasing (the population is diing out), † = the population died out, S = the number of individuals is more or less stagnationg. We still were not able to determine some imported species, therefore they are presented only by their family names. We cooperate with specialists abroad to determine the unknown species.

Pomatiasidae

Lithodion sp. – Socotra, †

Revoilia naticoides (Récluz, 1843) – Socotra, Vadi Kesso, -

Thiaridae

Melanoides tuberculata (O. F. Müller, 1744), *, S

Planorbidae

Helisoma sp., *, S

Cerastidae

Achatinelloides sp. - Socotra, Vadi Kesso, -

Achatinelloides sp. - Socotra, Calantia, †

Ellobiidae

Pythia sp. - Andamany, Havelock Isl. and Jolly Boy Isl.,
S až –

Achatinidae

Achatina fulica (Bowdich, 1822), *, +

Achatina iredalei Preston, 1910, *, +

Achatina achatina (Linné, 1758), †

Achatina (Archachatina) degneri Bequaert et Clench,
1936, *, S

Bradybaenidae

Bradybaena sp. – Andamany, Havelock Isl. and Jolly
Boy Isl., *, S

Helicidae

Eobania vermiculata (O. F. Müller, 1774) – Crete, S

Helix aspersus (O. F. Müller, 1774) – Crete, *, -

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