

Acta entomologica serbica, 2010, 15(2): 265-267

UDC 595.76(497)

Short communication

NEW RECORDS OF WATER BEETLES OF THE GENUS *ANACAENA* TOMSON, 1859 FROM THE BALKAN PENINSULA

ANA PAVIĆEVIĆ* and VLADIMIR PEŠIĆ

Department of Biology, Faculty of Sciences, University of Montenegro, Cetinjski put b.b, 81000 Podgorica, Montenegro,
* E-mail: anpavicevic@gmail.com

The genus *Anacaena* Tomson, 1859 is known from all major biogeographical regions, and comprises 105 species. Only eleven species are noted for Europe (HANSEN, 2010). To date only two species of the genus *Anacaena* (*Anacaena globulus* and *A. limbata*) have been recorded from Montenegro (GEORGIEV, 1971; PRZEWOZNY *et al.*, 2009); while only one species (*Anacaena limbata*) has been recorded from Serbia. According to fauna Europaea the occurrence of *A. bipustulata* (Marsham, 1802) in Bulgaria is doubtful, while other species are not recorded from Bulgaria (HANSEN, 2010).

From 2006-2010, the authors carried out a biological survey on freshwater macrobenthic fauna. Several water beetle species of the genus *Anacaena* were collected and are reported herein.

Eighty-two specimens were collected from various water areas (rivers, streams, springs, ponds, pools) with a sieve and a net. The beetles were preserved in 70 % alcohol. Mouth parts, thoracic structures and male genitalia were dissected and investigated. The specimens were examined using a stereomicroscope and a light microscope Olympus CX 21. The morphological terminology is based on HEBAUER & KLAUSNITZER (1998).

Materials have been deposited in the University of Montenegro, Department of Biology, Podgorica.

List of species

Anacaena bipustulata (Marsham, 1802)

Material examined: MONTENEGRO: Nikšić, Vidrovan, stream, 42°51.281' N, 18°56.237' E, 656 m a.s.l., 27.08.2010, 1♂, 1♀, leg. A. Pavićević; Danilovgrad, Lazine, pond, 42°32.473' N, 19°07.186' E, 43 m a.s.l., 14.08.2010, 3♀, leg. A. Pavićević.

Distribution: Western–Mediterranean: Algeria, Balearic Is., Belgium, Britain I., Corsica, French mainland, Germany, Italian mainland, Luxembourg, Morocco, Montenegro, Poland, Portuguese mainland, Romania, Spanish mainland, Switzerland, the Netherlands.

Remarks: New for fauna of Montenegro.

Anacaena limbata (Fabricius, 1792)

Material examined: MONTENEGRO: Podgorica, Tološi, Marezja, spring, 42°28.140' N 19°11.198' E, 39 m a.s.l., 21.08.2004, 3♀, leg. V. Pešić; Danilovgrad, village Martinići, Rimanić, spring, 42°31.331' N 19°11.348' E, 53 m a.s.l., 20.07.2010, 9♂, 13♀, leg. A. Pavičević; Podgorica area, village Bandići, spring "Crno Oko", 42°29.03' N, 19°09.14' E, 35 m a.s.l., 24.08.2010, 14♀, leg. A. Pavičević; Danilovgrad, Zeta River near Spuž, 42°30.604' N 19°12.095' E, 40 m a.s.l., 10.08.2010, 2♀, leg. A. Pavičević; Danilovgrad, Sušica River, 42°31.820' N, 19°06.162' E, 22 m a.s.l., 12.08.2010, 1♂, 2♀, leg. A. Pavičević; Lukavica Mt., Bare Bojevića, stream, 42°42.823' N, 19°13.983' E, 1475 m a.s.l., 05.08.2010, 2♀, leg. A. Pavičević.

Distribution: Palaearctic: Austria, Belarus, Bosnia & Herzegovina, Belgium, Britain, Czech Republic, Denmark, Finland, France, Georgia, Germany, Greece, Hungary, Ireland, Israel, Italy, Latvia, Montenegro, the Netherlands, Poland, Russia, Spain, Sweden, Switzerland, Turkey, Ukraine, Serbia (HANSEN, 1999).

Anacaena lutescens (Stephens, 1829)

Material examined: BULGARIA: Eastern Rhodopes Mt., Madjarovo town, village Senoklas, spring, 25.04.2006, 1 specimen (damaged), leg. V. Pešić (det. Komarek); MONTENEGRO: Žabljak, pool near Black Lake, 43°08.304' N 19°05.048' E, 1465 m a.s.l., 20.06.2006, 2♀, leg. A. Pavičević; Podgorica, Pričelje, stream, 42°30.471' N, 19°13.347' E, 50 m a.s.l., 09.08.2010, 7♀, leg. A. Pavičević.

Distribution: in Europe: Austria, Balearic Is., Belarus, Belgium, Britain I., Bulgaria, Czech Republic, Danish mainland, Estonia, Finland, French mainland, Germany, Greek mainland, Hungary, Italian mainland, Latvia, Lithuania, Luxembourg, Malta, Montenegro, Norwegian mainland, Poland, Portuguese mainland, Russia, Sardinia, Sicily incl. adjacent Italian islands, Spanish mainland, Sweden, Switzerland, The Netherlands, Ukraine. Outside Europe the species is recorded from Northern Africa (Algeria, Egypt), and from Asia (Uzbekistan).

Remarks: New for fauna of Bulgaria and Montenegro.

Anacaena rufipes (Guillebeau, 1896)

New records: SERBIA: Serbia, Starac Mt. (Serbian-Macedonian border), spring near vill. Gornji Starac, 29.04.2006, one specimen, leg. V. Pešić (det. Komarek); BULGARIA: Eastern Rhodopes Mt., Reserve "Vichi Dol" near Krumovgrad town, 26.04.2006, 2 specimens, leg. V. Pešić (det. Komarek); MONTENEGRO: Skadar Lake area, River Crnojevića, 42°21.162' N 19°01.194' E, 49 m a.s.l., 27.07.2010, 8♂, 10♀, leg. A. Pavičević.

Distribution: Eastern Mediterranean: Bosnia and Herzegovina, Bulgaria, Greek mainland, Israel, Italian mainland, Lebanon, Montenegro, Russia, Serbia.

Remarks: New for fauna of Bulgaria, Montenegro and Serbia.

Acknowledgements. We are very grateful to Dr. Albrecht KOMAREK (Vienna, Austria) for determination of material from Serbia and Bulgaria.

- References:** GEORGIEV, B.V., 1971. Academia Scieniarum et Artium Slovenica, Ljubljana, pp.: 1-45. HANSEN, M. 1999. Entomologica Scandinavica, 30: 121-172. HANSEN, M., 2010. Fauna Europaea: Hydrochidae. Fauna Europaea, Version 2.2, (<http://www.faunaeur.org>). HEBAUER, F. & KLAUSNITZER, B., 1998. Süßwasserfauna von Mitteleuropa, 20(7, 8, 9, 10-1). Gustav Fischer Verlag, Stuttgart, 134 pp. PRZEWOZNY, M., JASKULA, R. & PEŠIĆ, V., 2009. Lauterbornia, 67: 23-27.

НОВИ НАЛАЗИ ПРЕДСТАВНИКА РОДА АНАСАЕНА TOMSON, 1859 НА БАЛКАНСКОМ ПОЛУОСТРВУ

АНА ПАВИЋЕВИЋ И ВЛАДИМИР ПЕШИЋ

Извод

Представници рода *Anacaena* Tomson, 1859 срећу се у готово свим биогеографским регионима и састоји се од сто пет врста. За подручје Европе познато је свега једанаест врста. До сада само двије врсте рода *Anacaena* (*A. globulus* и *A. limbata*) су забиљежене на подручју Црне Горе (GEORGIEV, 1971; PRZEWOZNY *et al.*, 2009), док је само једна врста (*A. limbata*) регистрована за Србију. Према Фауни Европе присуство *A. bipustulata* (Marsham, 1802) у Бугарској је неизвјесно, док друге врсте нису евидентиране (HANSEN, 2010).

У раду су представљени резултати нови за националне фауне: *A. bipustulata* (Marsham, 1802) (Црна Гора), *A. lutescens* (Stephens, 1829) (Бугарска и Црна Гора), *A. rufipes* (Guillebeau, 1896) (Бугарска, Црна Гора и Србија).

Received September 6th, 2010

Accepted December 6th, 2010