

CATALOGUE OF HOLOTYPE OF TERRESTRIAL MOLLUSCS (MOLLUSCA, GASTROPODA) OF THE INSTITUTE OF ECOLOGY AND SYSTEMATICS, HAVANA, CUBA

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ABSTRACT: We present the first list of holotypes of terrestrial molluscs housed in the collection of the Institute of Ecology and Systematics, Cuba. The majority of holotype specimens come from collections belonging to Miguel L. Jaume, Oscar L. Alcalde, Alfredo de la Torre and Raúl P. Guitar. The type material of the collection has 66 taxa including species and subspecies. The genera represented in this type collection are *Liguus*, *Farcimen*, *Cerion*, *Cryptelasmus*, *Idiostemma*, *Cubadamsiella* and *Opisthosiphon*.

KEYWORDS: land snail, malacological collection.

RESUMEN: CATÁLOGO DE HOLOTIPOS DE MOLUSCOS TERRESTRES (MOLLUSCA, GASTROPODA) DEL INSTITUTO DE ECOLOGÍA Y SISTEMÁTICA, LA HABANA, CUBA. Se presenta el primer listado de holotipos de moluscos terrestres en la colección del Instituto de Ecología y Sistemática, Cuba. La mayoría de los especímenes holotipos proceden de colecciones pertenecientes a Miguel L. Jaume, Oscar L. Alcalde, Alfredo de la Torre y Raúl P. Guitar. El material tipo de la colección cuenta con un total de 66 taxones entre especies y subespecies. Los géneros que se encuentran representados en esta colección tipo son: *Liguus*, *Farcimen*, *Cerion*, *Cryptelasmus*, *Idiostemma*, *Cubadamsiella* y *Opisthosiphon*.

PALABRAS CLAVE: Colección malacológica, moluscos terrestres.

INTRODUCTION

Type specimens of a collection are very important in taxonomic, systematic and biodiversity studies, and are an irreplaceable resource because of their uniqueness. The majority of the type specimens of Cuban terrestrial molluscs belong to foreign collections like in The Manchester Museum (McGhie, 2008) where several specimens of the family Urocoptidae are placed, although the most of them are found in the National Museum of the United States (Torre and Bartch, 2008) and the majority of the types of the family Annulariidae (Torre and Bartch, 1938; 1941). The heliciniids are another well-represented group

in foreign collections (Clench and Jacobson, 1968; 1970; 1971a; 1971b; Richling and Glaubrecht, 2008), located fundamentally in the Museum of Compared Zoology, the British Museum of Natural History, in the Academy of Natural Sciences of Philadelphia and the Natural History Museum of Berlin. Whereas the Cuban museum that housed more specimens found the Museum Poey (MP) of the University of Havana and the National Museum of Natural History. However, the Institute of Ecology and Systematics has the biggest collection of Cuba where a large number of types and paratypes specimens are deposited.

The molluscs' collection of the Institute of Ecology and Systematics (IES) was created from private collections and from collections of different institutions such as the Colegio de Belén, Colegio de Guanabacoa, Hermanos León and Instituto de la Habana. These private collections were created by talented Cuban and foreigner malacologists and naturalists like Raúl P. Guitar, Oscar L. Alcalde, Francisco Jimeno, Mario Sánchez Roig, Luis Sánchez de Fuentes, Rafael Arango and Molina, Eduardo Müller, Miguel L. Jaume, José F. Milera, Juan Gundlach, M. K. Jacobson. The collection is represented by vast representation of terrestrial, freshwater and marine molluscs that surpasses 750 000 specimens (Oliva-Olivera and Real, 2009), being one of the most important in the country. Several collections are more than 80 years old and contain many type specimens, including holotypes, paratypes and syntypes of Cuban and other countries. Holotypes came from Miguel L. Jaume, Oscar L. Alcalde, Alfredo de la Torre and Raúl P. Guitar collection. The holotypes' collection presented here is unknown to most malacologists, which is why this work attempts revealing our holotypes' collection of terrestrial molluscs.

MATERIALS AND METHODS

PRESENTATION OF THE HOLOTYPE SPECIMENS

The presentation of the holotype specimens starts with the taxonomic higher categories. Each entry in the catalogue consists of the scientific name as first published and species and subspecies within genera are arranged in alphabetical order, author and year. The reference to the

first page of the original description and the position of the plate and figure in the description are given (first is shown the number of the plate and/or figure (fig), if there isn't any figure for the taxon in the original description a dash will appear). In the second part the number of specimens of the original label, locality type, distribution range are shown. Full bibliographic references are given at the end of the catalogue.

RESULTS

The type material of the collection has 66 taxa between species and subspecies, represented in seven families (Table 1). In this collection are presented the genera *Liguus*, *Farcimen*, *Cerion*, *Cryptelasmus*, *Idiostemma*, *Cubadamsiella* and *Opisthosiphon*. The genus *Liguus* has 30 subspecies, belonging to three of the four species that live in Cuba: *L. blainianus*, *L. fasciatus*, *L. vittatus*. *Farcimen* also has a broad representation with seven species and 20 subspecies. The rest of the species are represented by one

Table 1. Family, genera, species and subspecies number of the holotypes of terrestrial Molluscs housed in the Collection of the Institute of Ecology and Systematics.

Tabla 1. Número de familias, géneros, especies y subespecies de los holotipos de moluscos terrestres en la colección del Instituto de Ecología y Sistemática, Habana, Cuba.

Family	Genus	Species	Subspecies
Cerionidae	<i>Cerion</i>	1	3
Megalomastomatidae	<i>Farcimen</i>	7	20
Orthalicidae	<i>Liguus</i>		30
Potamiidae	<i>Cubadamsiella</i>	1	
	<i>Opisthosiphon</i>		1
Subulinidae	<i>Cryptelasmus</i>	2	
Urocoptidae	<i>Idiostemma</i>	1	
Total		12	54

or two species and/or subspecies.

Subclass PROSOBRANCHIA

Orden ARCHITAENIOGLOSSA

Superfamily: CYCLOPHOROIDEA Gray, 1847

Family: MEGALOMASTOMATIDAE Blandford, 1864

Genus: *Farcimen* Troschel, 1847

F. (Farcimen) bilabiatum bilabiatum Alcalde 1945d: 16; plate 1, fig. 12. Number of specimens: CZACC.1.3487.

Locality type: Farm of Severiano Moreno, San Juan de Trinidad, Las Villas, Cuba.

Distribution range: type locality, outcrop de Zarza Gorda, and La Yaba, a little distant from the type locality in San Juan de Trinidad. All these locations including the type currently belong to the Sancti Spiritus province.

Measurements: length 24.00 mm and width 11.80 mm.

F. (Farcimen) bilabiatum aureum Alcalde 1945d: 18; plate 1, fig. 13. Number of specimens: CZACC.1.3473.

Locality type: Small outcrop half a mile northwest of La Yaba, San Juan de Trinidad, Sancti Spiritus, Cuba.

Distribution range: The same as the type locality.

Measurements: length 30 mm and width 14 mm.

F. (Farcimen) bilabiatum regium Alcalde 1945a: 17; plate 1, fig. 11. Number of specimens: CZACC.1.3486.

Locality type: Outcrop of Muñoz, near of Zarza Gorda, in San Juan Trinidad, Cuba.

Distribution range: The same as the type locality.

Measurements: length 32 mm and width 14 mm.

F. (Farcimen) camagueyanum gravidum Alcalde, 1945d: 90; fig. 3. Number of specimens: CZACC.1.3583.

Locality type: Central Violeta, provincia Camagüey.

Distribution range: The same as the type locality.

Measurements: length 23.5 mm and width 11 mm.

Farcimen (Farcimen) cisnerosi cisnerosi Alcalde, 1945b: 47; plate 5, fig. 11. Number of specimens: CZACC.1.3533.

Locality type: Quemado de los Cerros, San José, La Sierra, Cienfuegos.

Distribution range: The same as the type locality.

Measurements: length 22.25 mm and width 11.25 mm.

Farcimen (Farcimen) cisnerosi edouardi Alcalde, 1945b: 46; plate 5, fig. 10. Number of specimens: CZACC.1.3532.

Locality type: Linderos de Bolaños, in Baullua, Trinidad, Sancti Spiritus.

Distribution range: The same as the type locality and Hato de Franco, San Juan, Trinidad.

Measurements: length 30.10 mm and width 13.00 mm.

Farcimen (Farcimen) cisnerosi sanchezi Alcalde, 1945b: 46; plate 5, fig. 12. Number of specimens: CZACC.1.3531.

Locality type: Hoyo del Infierno, Walls of rock of the Dam, San Blas, Cienfuegos.

Distribution range: The same as the type locality.

Measurements: length 29.00 mm and width 10.00 mm.

Farcimen (Farcimen) guitarti rugulosum Alcalde, 1945b: 42; plate 5, fig. 15. Number of specimens: CZACC.1.3584

Locality type: Veguitas de Cuajani, Hoyo de padilla, Buenos Aires, Cienfuegos.

Distribution range: The same as the type locality.

Measurements: length 15.50 mm and width 9.00 mm.

Farcimen (Farcimen) gundlachi maritimum Alcalde, 1946: 40. Number of specimens: CZACC.1.4233.

Locality type: Margins of the Santa Ana River, La Habana.

Distribution range: The same as the type locality and Santa Edita farm, Bauta, Artemisa.

Measurements: length 20.00 mm and width 9.25 mm.

Farcimen (Farcimen) gundlachi michaeli Alcalde, 1946: 40. Number of specimens: CZACC.1.4234.

Locality type: In front of the beach of the Instituto Cívico Militar, Marianao, La Habana.

Distribution range: The same as the type locality.

Measurements: length 23.00 mm and width 10.25 mm.

Note: On the label made by the author, is referred as the subspecific name as *F. (F.) g. michaeli*.

Farcimen (Farcimen) gundlachi pallidulum Alcalde, 1946: 40. Number of specimens: CZACC.1.4231.

Locality type: El Barril farm, near Peña Blanca in the Sierra de Anafe, Artemisa.

Distribution range: The same as the type locality.

Measurements: length 23.00 mm and width 10.25 mm.

F. (Farcimen) jaumei jaumei Alcalde, 1945b. 43; plate 5, fig. 7. Number of specimens: CZACC.1.3529.

Locality type: Inhabits the wall rock of Briche in Yaguanabo in San Juan Trinidad.

Distribution range: Same as the type locality and wall rock north of the Yaguanabo estate and the Coffee plantation of Regino Maya, all in San Juan Trinidad.

Measurements: length 19.75 mm and width 8.00 mm.

F. (Farcimen) jaumei parvulum Alcalde, 1945b. 44; plate 5, fig. 5. Number of specimens: CZACC.1.3530.

Locality type: Aguada de la Botella, Cumanayagua, Cienfuegos, Cuba.

Distribution range: Same as the type locality and in San Narciso, Cumanayagua, Cienfuegos

Measurements: length 17.25 mm and width 7.30 mm.

F. (Farcimen) jaumei striatellum Alcalde, 1945b. 44; plate 5, fig. 6. Number of specimens: CZACC.1.3534.

Locality type: Wall rock of the Paraguas en El Cafetal, La Sierra, Cienfuegos, Cuba.

Distribution range: Same as the type locality.

Measurements: length 22.00 mm and width 8.25 mm.

F. (Farcimen) majusculum majusculum Alcalde, 1945d. 16; plate 1, fig. 9. Number of specimens: CZACC.1.4222.

Locality type: Polo Veliz hill, El Negrito de Galdós, Arimao, Cienfuegos.

Distribution range: Same as the type locality and Santa Teresa, in El Negrito de Galdós, Colonia de Soledad, Arimao.

Measurements: length 35.00 mm and width 14.25 mm.

F. (Farcimen) majusculum barbouri Alcalde, 1945a. 16; plate 1, fig. 8. Number of specimens: CZACC.1.3470.

Locality type: Hill of the Morejones in the Naranjo Dulce farm, La Sierra, Cienfuegos

Distribution range: Same as the type locality.

Measurements: length 34.0 mm and width 14.5 mm.

F. (Farcimen) majusculum mortuarim Alcalde, 1945a. 16; plate 1, fig. 10. Number of specimens: CZACC.1.3469.

Locality type: At the foot of Cabezas del Muerto limits of Cienfuegos and Trinidad.

Distribution range: Same as the type locality.

Measurements: length 34.50 mm and width 13.75 mm.

F. (Farcimen) leoninum tabioi Alcalde, 1947. 2. Number of specimens: CZACC.1.3586.

Locality type: Soroa Hill, Cadelaria, Pinar del Rio, Cuba.

Distribution range: Same as the type locality. This locality currently belongs to Artemisa province.

Measurements: length 25.00 mm and width 12.5 mm.

F. (Farcimen) obesum salleanum Alcalde, 1945d. 88; fig. 1. Number of specimens: CZACC.1.3582.

Locality type: San Agustín, Yaguajay, Sancti Spiritus.

Distribution range: Same as the type locality.

Measurements: length 26.00 mm and width 13.75mm.

Note: This subspecies was considered a variety (*F. (Farcimen) obesum subobesum* var. *salleanum*).

F. (Farcimen) obesum luteum Alcalde, 1945d. 87; fig. 2.

Number of specimens: CZACC.1.621.

Locality type: Seibabo, Yaguajay, Sancti Spiritus.

Distribution range: Same as the type locality.

Measurements: length 31 mm and width 16 mm.

Note: This subspecies was considered a variety (*F. (Farcimen) obesum obesum* var. *luteum*).

Farcimen (Farcimen) procer roig Alcalde, 1945d. 36; fig. 4.

Number of specimens: CZACC.1.3580.

Locality type: Morrillo Del Diablo, Isla de Pino.

Distribution range: Same as the type locality.

Measurements: length 27.50 mm and width 12.25 mm.

Farcimen (Farcimen) seminudum aguayoi Alcalde, 1945b. 41; plate 5, fig. 1. Number of specimens: CZACC.1.3539.

Locality type: Mogote pan de Azúcar, Las Minas, Trinidad, Sancti Spiritus.

Distribution range: Locality type and coffee plantation Fuentes Claras, Las Minas, Trinidad.

Measurements: length 30.00 mm and width 10.25 mm.

Farcimen (Farcimen) seminudum citrinum Alcalde, 1945b. 41; plate 5, fig. 2. Number of specimens: CZACC.1.3541.

Locality type: Pollán farm in Naranjo, Trinidad, Sancti Spiritus.

Distribution range: Same as the type locality.

Measurements: length 24.00 mm and width 10.00 mm.

Farcimen (Farcimen) seminudum culminis Alcalde, 1945b. 40; plate 5, fig. 3. Number of specimens: CZACC.1.3542.

Locality type: Top of Pico Potrerillo, Trinidad, Sancti Spiritus.

Distribution range: Same as the type locality.

Measurements: length 20.5 mm and width 10.00 mm.

Farcimen (Farcimen) seminudum protractum Alcalde, 1945b. 40; plate 5, fig. 4. Number of specimens: CZACC.1.3540.

Locality type: Estate of Yaguanabo, Trinidad, Sancti Spiritus.

Distribution range: Same as the type locality.

Measurements: length 29.75 mm and width 15.00 mm.

Farcimen (Farcimen) tortum sculpum Alcalde, 1946. 38. Number of specimens: CZACC.1.4230.

Locality type: Paso del Café, top of the Palenque, Matanzas.

Distribution range: Locality type and Mogote de Ceiba Mocha near to Madruga, Matanzas province.

Measurements: length 25.00 mm and width 10.75 mm.

Farcimen (Jaumeoconcha) bartschi Alcalde, 1945c. 38; fig. 1. Number of specimens: CZACC.1.3583.

Locality type: Los Ondones Arriba, Buenos Aires, Cienfuegos province.

Distribution range: Same as the type locality.

Measurements: length 22.50 mm and width 10.75 mm.

Orden LITTORINIMORPHA

Superfamily LITTORINOIDEA Children, 1834

Family POTAMIIDAE Newton, 1891

Subfamily RHYTIDOPOMATINAE Henderson y Bartsch, 1920

Genus: *Opisthosiphon* Dall, 1905

Opisthosiphon bacillum valle Aguayo y Jaume, 1954. 47; plate 6, fig. 2. Number of specimens: CZACC.1.117335.
Locality type: Tamarindo Hill, near of Camagüey.
Distribution range: Locality type and in La Atalaya, south of the Bahía of Nuevitas, Camagüey province.
Measurements: length 7.5 mm and width 3.2 mm.

Subfamily Adamsiellinae

Genus: *Cubadamsiella*

Cubadamsiella beneitoi Fernández-Garcés, Espinosa y Ortea, 2003. 204; fig. 1. Number of specimens: CZACC.1.269.
Locality type: Cueva de Chávez, Nuevo Mundo, Cumanayagua, Cienfuegos province.
Distribution range: Same as the type locality.
Measurements: length 8.3 mm and width 4.0 mm.

Subclase PULMONATA

Orden STYLOMMATOPHORA

Suborden SIGMURETHRA

Superfamily ORTHALICOIDEA Albers, 1860

Family: UROCOPTIDAE

Genus: *Idiostemma* Pilsbry & Vanatta, 1898

Idiostemma frankei Fernández y Suárez, 2018. 40-43; fig. 4. Number of specimens: CZACC.1.302.
Locality type: Farallones de Moa, Holguín province.
Distribution range: Same as the type locality.
Measurements: length 25.5 mm and length 6.3 mm.

Family: CERIONIDAE

Genus: *Cerion* Röding, 1798

Cerion ceiba ludodici Torre, 1954. 41; plate 5, fig. 1, 2, 3. Number of specimens: CZACC.1.651.
Locality type: Coast between Canasí and Playa de Palmarejo, Matanzas province.
Distribution range: Same as the type locality.
Measurements: length 39.60 mm and length 15.20 mm.

Cerion ceiba valdesi Torre, 1954. 45; plate 5, fig. 5. Number of specimens: CZACC.1.273.
Locality type: Abra Ventura, east of Canasí, Matanzas province.
Distribution range: Same as the type locality.
Measurements: length 25.6 mm and width 10.7 mm.

Cerion milerae Suárez, 2018. 43; fig. 1. Number of specimens: CZACC.1.170.
Locality type: Punta Bejuquera, Gibara, Holguín province.
Distribution range: Same as the type locality.
Measurements: length 33.5 mm and width 15.0 mm

Cerion mumiola guillermi Torre, 1954. 40; plate 5, fig. 2. Number of specimens: CZACC.1.655
Locality type: Playa Bueyvaquita, Matanzas province.
Distribution range: Same as the type locality.
Measurements: length 14.5 mm and width 6.5 mm.

Family ORTHALICIDAE Albers, 1860

Subfamily ORTHALICINAE Albers, 1860

Genus: *Liguus* Montfort, 1810.

Liguus blainianus guanensis Jaume, 1954. 1382. Number of specimens: CZACC.1.25294.
Locality type: Sierra de Guane (Cueva del Obispo), Guane, Pinar del Río province.
Distribution range: Same as the type locality.
Measurements: length 45 mm and width 24 mm.

Liguus blainianus guillermi Guitart, 1943. 81. Number of specimens: CZACC.1.4859.
Locality type: Around of the Horno de Cal de Guara, Güines, Mayabeque province.
Distribution range: Same as the type locality.
Measurements: length 35.9 mm and width 18.2 mm.

Liguus fasciatus arangoi Jaume, 1952. 510. Number of specimens: CZACC.1.24270.
Locality type: Hills front to Guanabo beach, La Habana province.
Distribution range: Same as the type locality.
Measurements: length 51 mm and width 26 mm.

Liguus fasciatus artemisaense Jaume, 1954. 1381. Number of specimens: CZACC.1.25302.
Locality type: Central road between Artemisa and Las Mangas, Artemisa province.
Distribution range: Same as the type locality.
Measurements: length 43 mm and width 20 mm.

Liguus fasciatus barro Jaume, 1952. 505. Number of specimens: CZACC.1.2029.
Locality type: Hill east of the Río Almendares, Bosque de la Habana, La Habana province.
Distribution range: Same as the type locality.
Measurements: length 63 mm and width 29 mm.

Liguus fasciatus caballosense Jaume, 1954. 1381. Number of specimens: CZACC.1.25296.
Locality type: Sierra de Caballo, Isla de la Juventud.
Distribution range: Same as the type locality.
Measurements: length 52 mm and width 25 mm.

Liguus fasciatus caibariense Jaume, 1954. 1380. Number of specimens: CZACC.1.25300
Locality type: Pedrera "J.T. García" Caibarien, Villa Clara province.
Distribution range: Same as the type locality.
Measurements: length 66 mm and width 30 mm.

Liguus fasciatus cinnamomum Jaume, 1954. 1387. Number of specimens: CZACC.1.25313
Locality type: Farm "Buena Esperanza", way Vista del príncipe, Camagüey province.
Distribution range: Same as the type locality.
Measurements: length 51 mm and width 29 mm.

Liguus fasciatus evangelistaense Jaume, 1954. 1383. Number of specimens: CZACC.1.25306.
Locality type: Lighthouse of Carapachibey, Isla de la Juventud.
Distribution range: Same as the type locality.

Measurements: length 44 mm and width 21 mm.

Liguus fasciatus falconi Jaume, 1952. 509. Number of specimens: CZACC.1.21505.

Locality type: Woodland between Gavilanes and the coast, Cienfuegos province.

Distribution range: Same as the type locality.

Measurements: length 62.5 mm and width 26.0 mm.

Liguus fasciatus goenagai Jaume, 1954. 1376. Number of specimens: CZACC.1.21347.

Locality type: Los Hondones Farm, Charcas, Cienfuegos province.

Distribution range: Same as the type locality.

Measurements: length 58 mm and width 25 mm.

Liguus fasciatus guajaibonense Jaume, 1954. 1377. Number of specimens: CZACC.1.25298.

Locality type: High par (approximately 700 masl) of the Pan de Guajaibón, Pinar del Río province.

Distribution range: Same as the type locality.

Measurements: length 61 mm and width 29 mm.

Liguus fasciatus guirensis Jaume, 1954. 1378. Number of specimens: CZACC.1.25304

Locality type: Sierra de la Güira, San Diego de los Baños, Pinar del Río province.

Distribution range: Same as the type locality.

Measurements: length 50 mm and width 24 mm.

Liguus fasciatus guitarti Jaume, 1952. 511. Number of specimens: CZACC.1.24429.

Locality type: Monte Caguiras, Sancti Spíritus province.

Distribution range: Same as the type locality.

Measurements: length 44 mm and width 22 mm.

Liguus fasciatus leptus Jaume, 1952. 508. Number of specimens: CZACC.1.22387.

Locality type: Between Mangas and Artemisa, Artemisa province.

Distribution range: Same as the type locality.

Measurements: length 47 mm and width 19 mm.

Liguus fasciatus mayariense Jaume, 1952. 510. Number of specimens: CZACC.1. 22321.

Locality type: Mayarí, Holguín province.

Distribution range: Same as the type locality.

Observations: On the label of this copy the author wrote Mayarí, province of Oriente, this town currently belongs to the province of Holguín.

Measurements: length 40.0 mm and width 21.5 mm.

Liguus fasciatus mirabilis Jaume, 1952. 512. Number of specimens: CZACC.1. 21379.

Locality type: Central road near Mangas, Artemisa province.

Distribution range: Same as the type locality.

Measurements: length 55 mm and width 23 mm.

Liguus fasciatus nodali Jaume, 1954.1375. Number of specimens: CZACC.1. 25292.

Locality type: In front of Omaja Railway Station, Las Tunas province.

Distribution range: Same as the type locality.

Measurements: length 56 mm and width 28 mm.

Liguus fasciatus pharius Jaume, 1954.1384. Number of specimens: CZACC.1. 25309.

Locality type: Carapachibey lighthouse, Isla de la Juventud.

Distribution range: Same as the type locality.

Measurements: length 52 mm and width 22 mm.

Liguus fasciatus pridai Jaume, 1954. 1379. Number of specimens: CZACC.1.25301.

Locality type: Cayo Santa María, Caibarien, Villa Clara province.

Distribution range: Same as the type locality.

Measurements: length 44 mm and width 22 mm.

Liguus fasciatus primitivoi Jaume, 1952. 504. Number of specimens: CZACC.1.22235.

Locality type: Guanal, Southern coast of the Pinar del Río province.

Distribution range: Same as the type locality.

Measurements: length 60 mm and width 30 mm.

Liguus fasciatus ramosi Jaume, 1952. 506. Number of specimens: CZACC.1.22510.

Locality type: Soroa, Candelaria. Artemisa province.

Distribution range: Same as the type locality.

Measurements: length 46 mm and 22 mm width.

Liguus fasciatus ramsdeni Jaume, 1954. 1386. Number of specimens: CZACC.1.21774.

Locality type: Valle de Luis Lazo, provincia de Pinar del Río.

Distribution range: Same as the type locality.

Measurements: length 70 mm and width 32 mm.

Liguus fasciatus romanoense Jaume, 1952. 508. Number of specimens: CZACC.1.8219.

Locality type: Cayo Romano, Camagüey province.

Distribution range: Same as the type locality.

Measurements: length 45 mm and width 22 mm.

Liguus fasciatus sanchezi Alcalde, 1944. 11; plate 3, fig. 3. Number of specimens: CZACC.1.233.

Locality type: Ponce hills, passing the Río Caburní, Trinidad, Sancti Spíritus province.

Distribution range: Same as the type locality.

Measurements: length 57 mm and width 29 mm.

Liguus fasciatus tabioi Jaume, 1952. 507. Number of specimens: CZACC.1.25257.

Locality type: Side west of the Bahía de Mariel, Artemisa province.

Distribution range: Same as the type locality.

Measurements: length 44 mm and width 21 mm.

Liguus fasciatus tigræ Alcalde, 1944. 12; plate 3, fig. 1. Number of specimens: CZACC.1.304.

Locality type: mountain of Lewis, San Juan, Cienfuegos province.

Distribution range: Same as the type locality.

Measurements: length 55.75 mm and width 27.00 mm.

Liguus vittatus porphyreus Jaume 1952. 514. Number of specimens: CZACC.1.24303.

Locality type: Ensenada de la Mora, Granma province.
Distribution range: Same as the type locality.
Measurements: length 33.0 mm and width 18.5 mm.

Liguus vittatus thapsinus Jaume 1952. 514. Number of specimens: CZACC.1.24301.

Locality type: Ensenada de la Mora, provincia de Granma.
Distribution range: Same as the type locality.
Measurements: length 31 mm and width 17 mm.

Liguus vittatus vazquenzi Jaume 1952. 513. Number of specimens: CZACC.1.24300.

Locality type: Ensenada de la Mora, provincia de Granma.
Distribution range: Same as the type locality.
Measurements: length 35 mm and length 20 mm.

Superfamily ACHATINOIDEA Swainson, 1849
Family SUBULINIDAE P. Fischer y Crosse, 1877
Subfamily COELIAXINAE Pilsbry 1907

Genus *Cryptelasmus* Pilsbry, 1907

Cryptelasmus (Cryptelasmus) alcaldei Jaume and Sánchez de Fuentes, 1943. 48; plate 7, fig. 4. Number of specimens: CZACC.1.17356.

Locality type: Monte Pico.
Distribution range: Same as the type locality.
Measurements: length 9.5 mm and width 2 mm.

Cryptelasmus (Eucryptelasmus) verai Jaume et Sánchez de Fuentes, 1943. 45; plate 7, fig. 1. Number of specimens: CZACC.1.17914.

Locality type: Mogote La Caoba, finca Guerrero en San Miguel de los Baños, provincia de Matanzas.
Distribution range: Same as the type locality. Farallo del Descanso and of La Esmeralda in Coliseo; Mogote Las Canteras, Km. 4 of the road between Coliseo and San Miguel de los Baños. All in Matanzas province.
Measurements: length 16 mm and width 3.5 mm.

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