VISAYA
N E T

HOW DO WE GET SEASHELLS FROM DEEP WATER LOBSTER TRAPPING... THE HERMIT CRAB SPECIES: *DARDANUS DEFORMIS* (H. MILNE EDWARDS, 1836)

Daniel R. Goodwin

November, 2026

How do we get seashells from deep water lobster trapping... the hermit crab species: *Dardanus deformis* (H. Milne Edwards, 1836)

Goodwin, D.R.

P.O. Box 30472, Honolulu, HI. 96820, U.S.A.
Email: drgoodwin.iirh@gmail.com

There are several species of hermit crabs that are undetermined or in-identifiable. They come up in some of the Cone shells, tiny shells, and large Tun shells. Although, most average sized species are brought into the traps by the species: *Dardanus deformis*.

There are a few species that are carnivores and brought into the traps live. They are *Fusinus*, *Murex*, and a few Ranellidae. I obtained one live *Cypraea ostergaardi* feeding on detritus from bait container. A 21 mm rostrated specimen.

Most of the species collected were *Harpa major* f. *conoidalis*, *Casmaria kayae*, *Monoplex parthenopeus*, *Tutufa bufo*, *Charonia tritonis*, *Chicoreus insularum*, *Malea pomum*, *Tonna perdix*, *Tonna hawaiiensis*, and many other species.

SUBJECTS, MATERIAL, AND METHODS

Traps: made of black plastic with 4 inch openings made for lobster trapping. With turtle escape holes.



SYSTEMATICS

Family **Diogenidae** Ortmann, 1892

SYNOPSIS

In this family of hermit crabs the left claw is bigger then the right claw. It comprises of 426 extant species and another 47 extinct species.

Genus ***Dardanus*** Paulson, 1875
Type species ***Dardanus hellerii*** Paulson, 1875

SYNOPSIS

There is about 57-69 extant and extinct species according to data bases within the genus. They are all left claw larger than right.



Dardanus deformis
(H. Milne Edwards, 1836)

SYNOPSIS

A left handed and nocturnal species growing to about 3-4 inches. Traditionally in the genus the left claw is larger than the right. Color ranges from greenish, beige, pink, purple and tan. The eyes are like peas with a brown stripe below the eyes. They usually feed on detritus and are scavengers. H. Milne Edwards described the species in 1836. This species has a symbiotic relationship with sea anemones.

RESULTS AND CONCLUSIONS

In (Goodwin, 2021) 106 species were identified; 8 of which are new to science. Hermit crabs are our partners in catching deep water mollusks one of the species that occupy some of the seashells are: *Dardanus deformis* Milne (H. Milne Edwards, 1836). They are other species of course bur majority id from *Dardanus deformis*. The species: *Hirtomurex goodwini* Kosuge, 1988, *Babelomurex cookae* Kosuge, 1988, *Marmorofusus michaelrogersi* (Goodwin, 2001), *Harpa goodwini* Rehder, 1993, *Tonna hawaiiensis* Vos, 2007, *Semicassis* (*Semicassis*) *inornata debiae* (Goodwin, 2008) and *Bursa albustomas* Goodwin, 2021. On another note, one species newly named species: *Fusinus severnsi* Goodwin & Kosuge, 2008 were also obtained.

REFERENCES

Goodwin, D. R.

2021 Preliminary report and survey on the marine mollusks of the northwestern Hawaiian Island (NHWI) collected from bi-product catches of the lobster trapping industry Research Period: 1983 through 1989, Volume 2, Special Bulletin 1, Center for Molluscan Studies, Institute of Invertebrate Research Hawaii, Honolulu, Hawaii.


Bursa latitudo
Chicoreus insularum


Marmorofusus michaelrogersi
Tonna hawaiiensis
Semicassis umbilicatum

COUNCIL OF ADMINISTRATION

PRESIDENT Philippe Poppe
DIRECTOR Guido T. Poppe

ADDRESS Conchology, Inc.
Cebu Light Industrial Park
Basak, Lapu-Lapu City
Cebu 6015
Philippines

DESIGN & GRAPHICS Icy Mae B. Colipano

EMAIL philippe@conchology.be

SUBMISSION OF ARTICLES

All authors are invited

All conchological/malacological authors are invited to place their articles here. The net is a very visual medium, and numerous digital (scanned) photographs are welcome. We have the space and technology to serve thousands of viewers. When our article is online, we will instantly inform our 3,000 registered members. No paper journal today can match this number of readers. We propose our help for photography of specimens if needed. For details you may email philippe@conchology.be



Conchology, Inc.

Cebu Light Industrial Park,
Basak, Lapu-Lapu City
Cebu, 6015, Philippines
website: www.conchology.be
email: philippe@conchology.be
ISSN 1656-4650