

LIST OF THE CONIDAE OF PUERTO RICO

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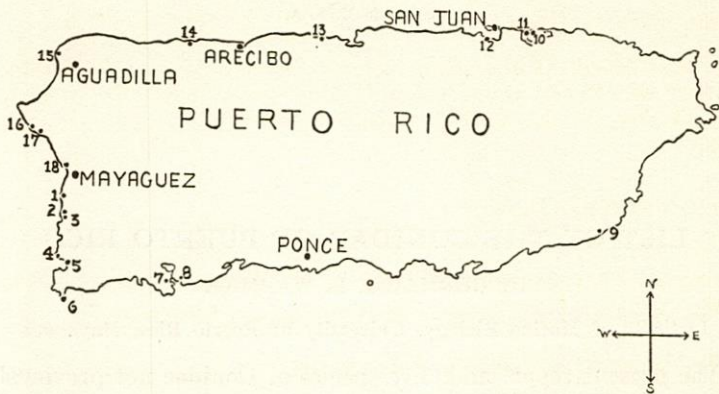
The present report adds five species of Conidae not previously listed for Puerto Rico and several new locality records. The finding of *Conus juliae* Clench in Puerto Rico extends the range of this species from Florida to the West Indies. The range of *Conus centurio* Born is also extended, as it had been reported previously only from Santo Domingo, (Clench, 1942). A total of 11 species of cones have been found to date in Puerto Rico. Locations of collecting sites are shown in figure 1. The species reported are as follows:

CONUS REGIUS Gmelin

Reported as *C. nebulosus* Solander by Dall and Simpson (1901) from Aguadilla. Additional records: Between Boquerón and Cabo Rojo Light House; Guánica; Punta Cuchara, near Ponce; between Patillas and Maunabo; Punta Maldonado; Palmas Altas; Arecibo; West of Camuy; Ramey Air Force Base, (found alive by A. Phares); Rincón Light House; Punta Cadena; Mona Island, (found alive by M. McDowell). Dead shells very common on the beach. Live shells found in reefs.

CONUS MUS Hwass

Reported by Dall and Simpson (1901) from San Juan; Aguadilla; Ponce; and by Clench (1943) from San Juan and Mona Island. Additional records: Mayaguez; Punta Guanajibo; Punta Arenas; Cabo Rojo Light House; Guánica; between Patillas and Maunabo; Boca de Cangrejos; Punta Maldonado; Palmas Altas; Arecibo; West of Camuy; Ramey Air Force Base, (A. Phares); Rincón Light House; Mona Island, (found alive by M. McDowell). Dead shells very common on the beach. Live shells found at night in reefs.



LOCATION OF COLLECTING STATIONS IN PUERTO RICO

1. Punta Guanajibo. 2. Punta Arenas. 3. Joyuda. 4. Guaniquilla. 5. Boquerón. 6. Cabo Rojo Light House. 7. Ensenada. 8. Guánica. 9. Between Patillas and Maunabo. 10. Punta Maldonado. 11. Boca de Cangrejos. 12. Cataño. 13. Palmas Altas. 14. Camuy. 15. Ramey Air Force Base. 16. Rincón Light House. 17. Punta Cadena. 18. Punta Algarrobo. 19. Mona Island (located 40 miles west of Puerto Rico).

CONUS JASPIDEUS Gmelin

Reported as *C. pygmaeus* Reeve by Dall and Simpson from Aguadilla and by Clench (1943) from San Juan. Additional records: Punta Guanajibo; Ramey Air Force Base; Rincón. Dead shells fairly common on the beach.

CONUS VERRUCOSUS Hwass

Reported by Dall and Simpson from Mayaguez. Additional records: Guanajibo (alive); Punta Arenas; Joyuda; Guaniquilla; Ensenada; Guánica; Boca de Cangrejos; Cataño; Ramey Air Force Base; and dredging around Piñero Island, off Joyuda. Dead shells very common on the beach.

CONUS GRANULATUS Linné

New Record. Punta Arenas, (A. Phares); Rincón, (G. Garrison, K. Yates); Mona Island, (K. O. Phares). Rare.

CONUS SPURIUS Gmelin

New Record. Punta Arenas; Punta Guanajibo, (found alive by H. F. Winters and by G. L. Warmke). An unusually large specimen ($2\frac{3}{4}$ inch) was found at Bahía Bramadero, between Punta Arenas and Joyuda. Dead shells fairly common at localities mentioned.

CONUS DAUCUS Hwass

New Record. Cabo Rojo Light House; West of Camuy; Ramey Air Force Base, (found alive by A. Phares); Rincón, (found alive by K. Yates). Dead shells fairly common on the beach.

CONUS CENTURIO Born

New Record. Found at Ramey Air Force Base by K. Yates and by A. Phares, also at Rincón by A. Phares and G. Garrison. Rare.

CONUS VILLEPINII Fisher and Bernardi

Reported as *C. agassizii* Dall by Dall and Simpson from Mayaguez. Rare.

CONUS JULIAE Clench

New Record. Guanajibo, (found alive by G. L. Warmke); Rincón, (found alive by A. Phares), (Mary Warmke found one dead specimen, olive colored instead of the usual bright orange); Ramey Air Force Base, (found alive by G. Garrison). Dead shells fairly common at localities mentioned. Live shells probably live in the reefs.

CONUS RANUNCULUS Hwass

Reported as *C. puertoricanus* Hwass (Kiener) by Dall and Simpson. Additional record: Rincón, (A. Phares); Mona Island, (K. O. Phares), and Mona Island (alive) by M. McDowell. Rare.

The author wishes to express her appreciation to the many friends in Puerto Rico who made their shells and location data available for this list and also to Dr. Ruth D. Turner for checking identifications and for critically reading the manuscript.

CITATIONS

- DALL AND SIMPSON. 1901. The Mollusca of Puerto Rico, U. S. Fish Commission Bulletin, Vol. 1, pp. 351-524.
CLENCH. 1942. Johnsonia, Vol. 1, No. 6, pp. 1-40.
CLENCH. 1943. Johnsonia, Vol. 2, No. 32, pp. 363-376.