

**CATALOG OF RECENT MOLLUSCAN TYPES IN THE
NATURAL HISTORY MUSEUM OF LOS ANGELES
COUNTY**

compiled by

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NATURAL HISTORY MUSEUM OF LOS ANGELES COUNTY

MALACOLOGY SECTION

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Abstract. Recent molluscan types currently housed in the Malacology Section of the Natural History Museum of Los Angeles County are listed herein. Each type lot entry includes original species/subspecies name, original genus, author, original citation, type status, LACM number, number of specimens and preservation, type locality or collection locality, collector [if known], date collected [if known], and current taxonomic status if different from original description.

INTRODUCTION

This catalog is published in accordance with Recommendation 72F.4 of the International Code of Zoological Nomenclature (Ride & others, 2000:79). This listing includes all molluscan type material currently housed at the Natural History Museum of Los Angeles County and supercedes the type listing of Sphon (1971). To date 1922 molluscan type lots (71,000+ specimens) are reported for 1147 species and 99 subspecies, which includes 589 holotypes, 1277 paratype lots, 10 lectotypes, 13 paralectotype lots, 29 syntype lots, 3 neotypes, and 2 neotype lots in 550+ references.

Type categories listed include: Holotype (in red), paratype(s) (in blue), syntype(s) (in orange), lectotype (in pink), paralectotype(s) (in aqua), and neotype and/or neotype lots (in brown) as defined by Ride & others (2000). Because the term cotype is not recognized by the ICZN, lots originally designated as cotype(s) (in green) by original specimen labels are now referred to as syntype(s). Hypotypes (or figured non-type specimens) are not housed within the type collection and are considered voucher specimens.

Species are listed alphabetically within each family regardless of subfamily and/or genus. Classifications schemes are according to Coan & others (2000) for the bivalves, Bouchet & others (2005) for the gastropods, Steiner & Kabat (2001) for the scaphopods, Sirenko (2006) for the polyplacophorans, Scheltema (1998) for the aplacophorans, and Warén & Gofas (1996) for the monoplacophorans. These arrangements are utilized for convenience as classification schemes are subject to change.

Brief History of the Type Collection

The LACM Recent Molluscan type collection was started by George Willett (then LACM curator of Ornithology & Mammalogy) in the late 1920's who organized a separate sequence (ie., a unique lot number for each type lot) and his mollusk types became the core of the LACM Recent type catalog. The type collection grew tremendously following the arrival in 1964 of James H. McLean, the first full-time curator of Malacology, due to his diligent collecting and numerous publications. Since Jim's retirement in 2001, the type collection has experienced sustained growth, especially the opisthobranch types, under former curator Ángel Valdés.

It is obvious from the following list that the LACM malcology type collection has greatly benefited from its relationship with numerous professional and amateur malacologists and conchologists of the past and present who have either donated type material and/or utilized the world-class LACM mollusk collection for their research purposes. Notable living type species authors include James H. McLean (Gastropoda), Eugene V. Coan (Bivalvia), Louie N. Marinovich, (Gastropoda), Bret K. Raines (Gastropoda), Roger N. Clark (Polyplacophora), Daniel L. Geiger (Vetigastropoda), Barry Roth (terrestrial Gastropoda), William K. Emerson (Gastropoda), Peter Jung (Gastropoda & Bivalvia), Thomas A. Burch (Gastropoda & Bivalvia), Hans Bertsch (Opisthobranchia), and most recently Ángel Valdés (Opisthobranchia). Prominent molluscan type authors of the past include Twila Bratcher (Terebridae), Wendell O. Gregg (terrestrial Gastropoda), Helen DuShane (Epitoniidae), Frank R. Bernard (Bivalvia), Dwight W. Taylor (Gastropoda & Bivalvia), LeRoy Poorman (Gastropoda), George Willett (Gastropoda), S. Stillman Berry (Gastropoda), Antonio J. Ferreira (Polyplacophora), Leo G. Hertlein (Gastropoda), John Q. Burch (Gastropoda & Bivalvia), Herbert N. Lowe (Gastropoda), Donald R. Shasky (Gastropoda), Archibald M. Strong (Gastropoda), Gilbert Grau (Bivalvia), and Crawford N. & Jean M. Cate (Cypraeoidea & Mitridae) Historical paratype and syntype material acquired through collection donations and/or purchases includes authors such as

William H. Dall, Thomas Say, Henry A. Pilsbry, Carlos de la Torre, Paul Bartsch, George B. Sowerby III, Tom Iredale, Henry Hemphill, and Hugh C. Fulton.

Type Collection Usage and Donations

The LACM type collection is arranged numerically and housed in locked cabinets. A complete inventory of the type collection is available in the database and reports can be generated as with non-type specimens. A staff member **must** be present when type material is being studied. Type specimens may be borrowed by bonafide researchers for a period of six months and renewal of type loans are subject to approval by the curator. LACM type numbers may be requested from the collection manager whether or not the specimens originated in the LACM collection. Researchers who wish to deposit type specimens at LACM **must** provide identified specimens with as complete locality data as possible upon deposition including depth or altitude, habitat, specific locality, coordinates, collector and/or research vessel name, field number, collection date, etc. This data can be in the form of log books, field notes, specimen labels, etc. Type numbers will be assigned after specimens are received by the LACM Malacology section. The donor will agree to sign and date a LACM *Deed of Gift* form, which gives LACM legal ownership or title. The donor will receive a copy of this form when the accession process is completed along with acknowledgement from the LACM President/Director if desired. The collection manager will process the donation and file an *Accession Data Sheet* with the *Deed of Gift* with the LACM Registrars office. All donations to LACM are tax deductible.

Natural History Museum of Los Angeles County

MALACOLOGY TYPE CATALOG

Phylum Mollusca Cuvier, 1791

CLASS APLACOPHORA von Ihering, 1876

Subclass Chaetodermomorpha Pelseneer, 1906

Family Prochaetodermatidae Salvini-Plawen, 1969

californicum, *Prochaetoderma* Schwabl, 1963: Pacific Science 17:265-267, figs. 4-7.

LECTOTYPE: LACM 2091 (wet), designated by Scheltema (1998:44), Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2); **PARALECTOTYPES:** LACM 2092 (3 wet), 704 m, 4.3 mi. WSW of Pt. Fermin light, Los Angeles Co., California (33°40.2'N, 118°22.1'W), Leg.: R/V *Velero IV*, 24 JUN 1953

Remarks: Currently in the genus *Spathoderma* fide Scheltema (1998).

Family Chaetodermatidae von Ihering, 1876

elegans, *Chaetoderma* Scheltema, 1998: Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2):22-24, fig. 2.9.

HOLOTYPE: LACM 2748 (wet), 1808 m, 14 mi. 321 deg. T to Gull Islet light, S of Santa Cruz Id., California Channel Ids., California (33°45.85'N, 119°39.25'W), Leg.: R/V *Velero IV*, 18 JAN 1976.

Remarks: Spicules mounted on glass slides.

hancocki, *Crystallophrisson* Schwabl, 1963: Pacific Science 17:272-273, figs. 14-15.

LECTOTYPE: LACM 2093 (wet), designated by Scheltema (1998:26), Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2), 816 m, 5.2 mi. ENE of Long Pt., Santa Catalina Id., California Channel Ids., California (33°26'N, 118°15.97'W), Leg.: R/V *Velero IV*, 17 JUN 1954.

Remarks: Currently in the genus *Chaetoderma* fide Scheltema (1998).

hartmani, *Crystallophrisson* Schwabl, 1961: Zool. Anz. 166(7):258-277, figs. 1-10.

LECTOTYPE: LACM 2094 (wet), designated by Scheltema (1998:36), Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2), 330 m, 3.5 mi. W of Pt. Fermin light, Los Angeles Co., California (33°42'N, 118°21.82'W), Leg.: R/V *Velero IV*, 27 FEB 1953;

PARALECTOTYPE: LACM 2095 (1 wet), 570 m, 7 mi. WSW of Redondo Beach pier, Los Angeles Co., California (33°47.93'N, 118°31.27'W), Leg.: R/V *Velero IV*, 26 SEP 1952

Remarks: Currently in the genus *Falcidens* fide Scheltema (1998).

incrassatum, *Crystallophrisson* Schwabl, 1963: Pacific Science, 17:267, fig. 8.

LECTOTYPE: LACM 2096 (wet), designated by Scheltema (1998:42), Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2), 558 m, 19.5 mi. SW of Santa Barbara Pt., Santa Barbara Co., California (34°10.6'N, 120°0.7'W), Leg.: R/V *Velero IV*, 12 DEC 1955.

Remarks: Currently in the genus *Furcillidens* fide Scheltema (1998).

inflatum, *Crystallophrisson* Schwabl, 1963: Pacific Science, 17:276-277, figs. 21-22.

LECTOTYPE: LACM 2097 (wet), designated by Scheltema (1998:26), Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2), 759 m, 8.8 mi. WNW of Palos Verdes light, Los Angeles Co., California (33°48'N, 118°36.05'W), Leg.: R/V *Velero IV*, 22 MAY 1954; **PARALECTOTYPE:** LACM 2098 (1 wet), 781 m, 4.45 mi. SW of Pt. Fermin light, Los Angeles Co., California (33°39.27'N, 118°21.48'W), Leg.: R/V *Velero IV*, 20 APR 1952.

Remarks: Junior synonym of *Chaetoderma hancocki* (Schwabl, 1963) fide Scheltema (1998).

longus, *Falcidens* Scheltema, 1998: Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2):38, fig. 2.17.

PARATYPE: LACM 2749 (1 wet), 92 m, Santa Maria Basin, NW of Pt. Arguello, Santa Barbara Co., California (34°43.01'N, 120°47.39'W), Leg.: USDI Minerals Management Service, R/V *Aloha*, MAY 1989

Remarks: Spicules and radula mounted on glass slides.

macracanthos, *Falcidens* Scheltema, 1998: Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2):40, fig. 2.18.

PARATYPE: LACM 2750 (1 wet), 145 m, Santa Maria Basin, W of Pt. Sal, Santa Barbara Co., California (34°55.79'N, 120°49.91'W), Leg.: USDI Minerals Management Service, R/V *Aloha*, JAN 1988; **PARATYPE:** LACM 2751 (1 wet), 92 m, Santa Maria Basin, NW of Pt. Arguello, Santa Barbara Co., California (34°43.01'N, 120°47.39'W), Leg.: USDI Minerals Management Service, R/V *Aloha*, MAY 1988; **PARATYPE:** LACM 2752 (1 wet), 113 m, Santa Maria Basin, SE of Government Pt., Santa Barbara Co., California (34°25.88'N, 120°16.31'W), Leg.: USDI Minerals Management Service, R/V *Aloha*, 1988.

Remarks: Radulae from paratypes LACM 2751 and 2752 mounted on glass slides.

marinelli, *Crystallophrisson* Schwabl, 1963: Pacific Science, 277-278, figs. 23-24.

LECTOTYPE: LACM 2099 (wet), designated by Scheltema (1998:28), Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2), 29 m, 0.75 mi. SE of Pt. Vicente light, Los Angeles Co., California (33°44'N, 118°34.97'W), Leg.: R/V *Velero IV*, 28 OCT 1953.

Remarks: Currently in the genus *Chaetoderma* fide Scheltema (1998).

pacificum, *Crystallophrisson nitidulum* Schwabl, 1963: Pacific Science, 17:273-274, figs. 16-18.

LECTOTYPE: LACM 2100 (wet), designated by Scheltema (1998:30), Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2), 283 m, 7.0 mi. SW of Huntington Beach pier, Los Angeles Co., California (33°34'N, 118°6.0'W), Leg.: R/V *Velero IV*, 3 MAR 1954; **PARALECTOTYPE:** LACM 2102 (1 wet), 51 m, 1.9 mi. W of Salta Verde Pt., Santa Catalina Id., California Channel Ids., California (33°29.12'N, 118°27.42'W), Leg.: R/V *Velero IV*, 31 OCT 1952; **PARALECTOTYPE:** LACM 2103 (1 wet), 39.3 m, 4 mi. SE of Pt. Fermin light, Los Angeles Co., California (33°39.32'N, 118°10.3'W), Leg.: R/V *Velero IV*, 12 OCT 1953; **PARALECTOTYPE:** LACM 2104 (1 wet), 270 m, 2.35 mi. S of Newport Beach pier, Orange Co., California (33°33'N, 117°53.93'W), Leg.: R/V *Velero IV*, 14 MAY 1954.

Remarks: Elevated to full species in the genus *Chaetoderma* by Scheltema (1998).

riedli, *Crystallophrisson* Schwabl, 1963: Pacific Science, 17:274-276, figs. 19-20.

LECTOTYPE: LACM 2105 (wet), designated by Scheltema (1998:30), Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2); **PARALECTOTYPE:** LACM 2106 (1 wet), 570 m, 7 mi. W of Redondo Beach pier, Los Angeles Co., California (33°47.93'N, 118°31.27'W), Leg.: R/V *Velero IV*, 26 SEP 1952.

Remarks: Junior synonym of *Chaetoderma nanulum* Heath, 1911 fide Scheltema (1998).

Subclass Noemeniomorpha Pelseneer, 1096

Family Gymnomeniidae Odhner, 1906

mariensis, ?*Genitoconia* Scheltema, 1998: Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2):15, fig. 2.3.

PARATYPE: LACM 2747 (1 wet), 145 m, Santa Maria Basin, W of Pt. Sal, Santa Barbara Co., California (34°55.79'N, 120°49.91'W), Leg.: USDI Minerals Management Service

minuta, ?*Gymnomenia* Scheltema, 1998: Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Channel 9(2):12-13, fig. 2.2.

PARATYPE: LACM 2745 (1 wet), 410 m, Santa Maria Basin, NW of Pt. Arguello, Santa Barbara Co., California (34°41.4'N, 120°57.9'W); **PARATYPE:** LACM 2746 (1 wet), 410 m, Santa Maria Basin, W of Pt. Sal, Santa Barbara Co., California (34°53.68'N, 120°29.12'W), Leg.: USDI Minerals Management Service, R/V *Aloha*, OCT 1988.

CLASS MONOPLACOPHORA Odhner in Wenz, 1940

Order Tryblidioidea Lemche, 1957

Family Neopilinidae Knight & Yochelson, 1958

hyalina, *Vema* (*Laevipilina*) McLean, 1979: Nat. His. Mus. L.A. Co. Cont. Sci. 307:11-18, fig. 9.

HOLOTYPE: LACM 1787 (wet), **PARATYPES:** LACM 1788 (1 wet, 1 dry), 373-384 m, Santa Rosa-Cortes Ridge, Los Angeles Co., California (32°59'N, 119°32.8'W), Leg.: H.A. Lowenstam & P.I. LaFollette, 14 FEB 1977.

veleronis, *Neopilina* (*Neopilina*) Menzies & Layton, 1962: Ann. & Mag. Nat. Hist., Ser. 13, 5:402-405, pls. 7-10.

HOLOTYPE: LACM 2720 (wet); **PARATYPE:** LACM 2721 (1 wet), 2730-2769 m, 30.75 mi. 268.5 deg.T from Isla Natividad Light, Pacific Coast Baja California Sur, México (27°52'N, 115°44.9'W), Leg.: R/V *Velero IV*, 31 DEC 1960.

Remarks: Holotype *ex* AHF 60. Currently in the genus *Veleropilina* fide Warén & Gofas (1996). Holotype and paratype radulae mounted on SEM stubs. Shells completely recrystallized (paratype destroyed during body extraction) fide Warén & Gofas (1996).

Family Vemidae Clark & Menzies, 1959

levinae, *Vema* Warén & Gofas, 1996: Zool. Scripta 25(3):226-232, figs. 1A,13A-G, 14A-G, 15B.

HOLOTYPE: LACM 2790 (dry), 1058 m, close to peak of submarine volcano, East Pacific Rise, East Pacific (12°56'N, 103°29'W), Leg.: L. Levin, R/V *Alvin*, 13 JUN 1984.

CLASS POLYPLACOPHORA Gray, 1821

Subclass Loricata Schumacher, 1817

Order Lepidopleurida Thiele, 1910

Suborder Lepidopleurina Thiele, 1910

Family Leptochitonidae Dall, 1889

bartletti, *Lepidopleurus* Ferreira, 1986c: The Nautilus 100(3):99-101.

PARATYPES: LACM 2123 (2 wet), 3982 m, Venezuela Basin, NE of Bonaire, Netherlands Antilles (15°08'N, 69°12'W), Leg.: R/V *Bartlett*, 28 OCT 1981.

Remarks: Currently in the genus *Ferreiraella* fide Kaas & Van Belle (1998). Emended to *Lepidopleurus bartlettae* Ferreira, 1986 by Kaas & Van Belle (1987).

scrippsianus, *Lepidopleurus* Ferreira, 1980: The Veliger 23(1):55-60.

PARATYPE: LACM 1700 (1 wet), 2507-2891 m, SW of Cabo San Lucas, Golfo de California, Baja California Sur, México (22°30.8'N, 110°03.8'W), Leg.: C.L. Hubbs, 29-30 JUL 1965.

Remarks: Currently in the genus *Ferreiraella* fide Kaas & Van Belle (1998).

xylophagus, *Xylochiton* Gowlett-Holmes & Jones, 1992: Jour. Malac. Soc. Australia 13:38-43.

PARATYPE: LACM 2280 (1 wet), 1075-1100 m, NE of White Id., South Auckland, North Id., New Zealand (37°23.7'S, 177°38.1'E), Leg.: R/V *Kalinovo*.

Family Ferreiraellidae Dell'Angelo & Palazzi, 1991

caribbensis, *Ferreiraella*, Sirenko, 1988: Zool. Zhurl. 67(12):1778-1781.

PARATYPE: LACM 1972 (1 wet), 6740-6780 m, Cayman Trench, S of Santiago de Cuba Prov., Cuba (19°39'N, 76°37'W), Leg.: R/V *Kurchatov*, 24 MAR 1973.

Order Chitonida Thiele, 1910

Superfamily CHITONOIDEA Rafinesque, 1815

Family Ischnochitonidae Dall, 1889

allynsmithi, *Lepidozona* (*Lepidozona*) Ferreira, 1974: The Veliger 17(2):173-175.

PARATYPE: LACM 1727 (1 dry), 2-3 m, Caleta El Candelero, W side of Isla Espiritu Santo, Golfo de California, Baja California Sur, México (24°30'N, 110°23'W), Leg.: A.J. Ferreira, 18 OCT 1970.

attuensis, *Lepidozona* (*Tripoplax*) Clark, 2000a: Nemouria 42:9-11, figs. 19-21.

HOLOTYPE: LACM 2801 (wet), intertidal, Murder Pt., Massacre Bay, Pacific side of Near Ids., Aleutian Ids., Alaska (52°47.6'N, 173°11.0'E), Leg.: D.R. Lindberg, 20 JUL 1979.

baxteri, *Lepidozona* (*Tripoplax*) Clark, 2000a: Nemouria 42:6-9, figs. 8-11.

HOLOTYPE: LACM 2796 (wet); **PARATYPES:** LACM 2797 (10 wet), 0-1 m, Eider Pt., W side entrance to Unalaska Bay, Bering Sea side of Unalaska Id., Aleutian Ids., Alaska (53°57.6'N, 16°35.50'W), Leg.: R. Baxter, JUN 1993.

beringiana, *Lepidozona* (*Tripoplax*) Clark, 2000a: *Nemouria* 42:3-6, figs. 5-7.

HOLOTYPE: LACM 2798 (dry); **PARATYPE:** LACM 2799 (1 dry), 121 m, S of Semisopochnoi Id., Rat Ids., Aleutian Ids., Alaska (51°53.34'N, 179°45.58'E), Leg.: R. Baxter, 7 SEP 1986; **PARATYPE:** LACM 2800 (1 dry), 241 m, W of Amatignak Id., Andreanof Ids., Aleutian Ids., Alaska (51°14.46'N, 179°11.84'W), Leg.: R. Baxter, 17 AUG 1986.

Remarks: Paratype LACM 2799 consists of disarticulated valves only.

calypso, *Tripoplax* Clark, 2008: *Amer. Malac. Bull.* 25(1/2):78-81, figs. 2-7.

HOLOTYPE: LACM 2882 (on SEM stub), 650-700 m, Monterey Submarine Canyon, Monterey Co., California (36°45.163'N, 122°3.447'W), 28 SEP 1995

Remarks: Radula, girdle, and intermediate valve fragment on SEM stub, head and tail valves and intermediate valve fragments unmounted, body in ETOH.

carolianus, *Ischnochiton* (*Ischnochiton*) Ferreira, 1984: *The Veliger* 26(3):179-181.

PARATYPE: LACM 2032 (1 dry), 100 m, 3 mi. S of Punta San Antonio, Bahía San Carlos, near Guaymas, Sonora, México, Leg.: F. & R. Poorman, NOV 1980.

catalinae, *Ischnochiton* Willett, 1940: *Bull. So. Calif. Acad. Sci.* 39(3):185-186, pl. 31, fig. 2.

HOLOTYPE: LACM 1063 (dry); **PARATYPES:** LACM 1000 (2 dry); LACM 2146 (7 dry), 55 m, off Whites Landing, Santa Catalina Id., California Channel Ids., California, Leg.: G. Willett.

Remarks: Junior synonym of *Lepidozona willetti* (Berry, 1917) fide Kaas & Van Belle (1998). Paratypes ex UCLA 22320.

clarionensis, *Lepidozona* (*Lepidozona*) Ferreira, 1983b: *The Veliger* 25(4):314-316.

PARATYPE: LACM 1821 (1 wet), 10 m, Bahía Sulphur, Isla Clarión, Islas Revillagigedo, México, Leg.: A.J. Ferreira & J. Hewitt, 26 NOV 1981

cooperi, *Ischnochiton* Dall, 1879: *Proc. U.S. Nat. Mus.* 1:296.

NEOTYPE LOT: LACM 1858 (1 dry), designated by Ferreira (1978:23), *The Veliger* 21(1), 0 m, intertidal, Cayucos, San Luis Obispo Co., California (35°32'N, 120°54'W), Leg.: A.J. Ferreira, 11 APR 1974.

Remarks: Currently in the genus *Lepidozona* fide Kaas & Van Belle (1998).

corteziana, *Lepidochitona* (*Lepidochitona*) Clark, 2000b: *Nemouria* 43:10-13, figs. 16-19.

HOLOTYPE: LACM 2878 (coated); **PARATYPE:** LACM 2879 (1 dry), 12 m, Canal de San Lorenzo (ca. 40 km N of La Paz), Golfo de California, Baja California Sur, México (24°21'N, 111°15'W), Leg.: M. Medina-Lopez, 2 FEB 1995.

Remarks: Disarticulated valves of holotype mounted on SEM stub.

disalvoi, *Rapanuia* Dell'Angelo & others, 2004: *The Veliger* 47(2):135-140.

PARATYPES: LACM 2961 (1 dry, 1 wet), 10-20 m, off Hanga Roa, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

guadalupensis, *Lepidozona* (*Lepidozona*) Ferreira, 1978a: *The Veliger* 21(1):37-38, figs. 13-14.

PARATYPE: LACM 1776 (1 wet), Northeast anchorage, Isla Guadalupe, México (29°11'N, 118°17'W), Leg.: W.L. Lee & A.J. Ferreira, 30 DEC 1974; **PARATYPES:** LACM 1857 (22 wet), 0 m, intertidal, Sealer's Camp, Isla Guadalupe, México (29°01'N, 118°17'W), Leg.: W.L. Lee & A.J. Ferreira, 1-2 JAN 1975.

laurae, *Lepidozona* (*Lepidozona*) Ferreira, 1985: *The Veliger* 27(4):423-425.

PARATYPE: LACM 2003 (1 wet), 73-91 m, 3.2 km SE of San Antonio, Guaymas, Sonora,

México (27°57'N, 111°06'W), Leg.: L. & C. Shy, OCT 1977

macleani, *Ischnochiton* (*Ischnochiton*) Ferreira, 1978b: Bull. So. Calif. Acad. Sci. 77(1):36-39, figs., 1-2.

HOLOTYPE: LACM 1853 (dry); **PARATYPES:** LACM 1854 (8 dry), 55 m, Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°16.63'S, 91°22.73'W), Leg.: R/V *Velero III*, 13 JAN 1934.

Remarks: Holotype disarticulated; holotype radula and girdle scales mounted on glass slide.

macleaniana, *Lepidozona* (*Lepidozona*) Ferreira, 1985: The Veliger 27(4):425-427, figs. 6-10.

HOLOTYPE: LACM 2004 (wet), 100-104 m, off Isla San Pedro Nolasco, Sonora, México (27°58.53'N, 111°23.62'W), Leg.: R/V *Velero III*, 6 FEB 1940.

Remarks: Girdle scales mounted on glass slide. Junior synonym of *Lepidozona rothi* Ferreira, 1983 fide Kaas & Van Bell (1998).

poppei, *Ischnochiton* (*Haploplax*) Kass & Van Belle, 1994: Monog. Living chitons 5:72.

PARATYPE: LACM 2719 (1 dry), near Nishino'omote, Kagoshima Pref., Kyushu, Japan, Leg.: G.T. Poppe, MAR 1988.

psaltes, *Dendrochiton* Berry, 1963a: Leaflets in Malac., 1(22):135.

PARATYPE: LACM 1448 (1 dry), near Mission Bay entrance, San Diego, San Diego Co., California, Leg.: E.N. Wilson, 8 JAN 1944.

Remarks: Junior synonym of *Lepidochitona* (*Dendrochiton*) *thamnopora* (Berry, 1911) fide Kaas & Van Belle (1998).

rothi, *Lepidozona* (*Lepidozona*) Ferreira, 1983a: The Veliger 25(4):316-317, figs. 19-22.

HOLOTYPE: LACM 1818 (dry), 82-91 m, Bahía Sulphur, Isla Clarión, Islas Revillagigedo, México (18°19.7'N, 114°44.58'W), Leg.: R/V *Velero III*, 16 MAR 1939.

Remarks: Specimen disarticulated, radula and girdle elements mounted on glass slide.

skoglundii, *Ischnochiton* Ferreira, 1986b: The Veliger 28(4):449-451.

PARATYPE: LACM 2119 (1 dry), 8-15 m, off Playa Novillero, Nayarit, México (22°23'N, 105°45'W), Leg.: S. & P. Bennett, DEC 1975.

Remarks: Currently in the genus *Lepidozona* fide Kaas & Van Belle (1998).

stohleri, *Lepidozona* (*Lepidozona*) Ferreira, 1985: The Veliger 27(4):427-429.

PARATYPES: LACM 2005 (2 dry), 12-36 m, Isla Smith, Bahía de los Angeles, Golfo de California, Baja California, México (29°02'N, 113°30'W), Leg.: L. & C. Shy, MAY 1975-MAY 1976.

subtilis, *Lepidozona* Berry, 1956: Leaflets in Malac., 1(13):74.

PARATYPES: LACM 1449 (2 dry), 0 m, intertidal, San Felipe, Golfo de California, Baja California, México, Leg.: E.V. Coan & S.S. Berry, 26 JAN 1963.

tomhalei, *Ischnochiton* (*Ischnochiton*) Clark, 2000b: Nemouria 43:7-10, figs. 12-14.

HOLOTYPE: LACM 2877 (coated): 12 m, Punta Bajo (ca. 10 mi. N of Loreto), Golfo de California, Baja California Sur, México (ca. 26°5'N, 112°42'W), Leg.: M. Medina-Lopez, 11 NOV 1994.

Remarks: Disarticulated valves and radula mounted on SEM stub.

tropica, *Lepidochitona* (*Lepidochitona*) Pilsbry, 1940: The Nautilus 53(3): pl. 12, fig. 4.

PARATYPE: LACM 1628 (1 dry), Bonefish Key, Monroe Co., Florida, Leg.: B.R. Bales.

Remarks: Junior synonym of *Lepidochitona liozonis* (Dall & Simpson, 1901) fide Kaas & Van Belle (1998).

victoria, *Ischnochiton* (*Ischnochiton*) Ferreira, 1987: Bull. So. Calif. Acad. Sci. 86(1):42-46.

PARATYPES: LACM 2124 (2 dry), 18-34 m, Roca Sucia, near Bahía Wafer, Isla del Coco, East Pacific, Leg.: D.R. Shasky.

Remarks: Emended to *Ischnochiton victoriae* Ferreira, 1987 by Kaas & Van Belle (1998).

willetti, *Ischnochiton* Berry, 1917: Proc. Calif. Acad. Sci., 4th ser., 7(10):236-238.

PARATYPES: LACM 2159 (9 dry), 27-37 m, Forrester Id., Prince of Wales Co., Alaska, Leg.: G. Willett, MAY 1914-AUG 1916.

Remarks: Currently in the genus *Lepidozona* fide Kaas & Van Belle (1998). Ex UCLA 22314.

Family Callistoplacidae Pilsbry, 1893

connellyi, *Callistochiton* Willett, 1937c: The Nautilus 51(1):25-26, pl. 2, fig. 13.

HOLOTYPE: LACM 1048 (dry); **PARATYPES:** LACM 2145 (6 dry), Punta Arbolitos, near Ensenada, Pacific Coast Baja California, México, Leg.: Mr. & Mrs. P.M. Connelly, DEC 1956.

Remarks: Junior synonym of *Callistochiton palmulatus* Carpenter in Pilsbry, 1893 fide Kaas & Van Belle (1998). Paratypes ex UCLA 22358.

lei, *Callistochiton* Ferreira, 1979: The Veliger 21(4):451-452.

PARATYPE: LACM 1905 (1 dry), 0 m, intertidal, Sealers' Camp, Isla Guadalupe, México (29°01'N, 118°13'W), Leg.: A.J. Ferreira & W.L. Lee, 2 JAN 1975.

portobelensis, *Callistochiton* Ferreira, 1976: The Nautilus 90(1):46-49.

PARATYPE: LACM 1767 (1 dry), 0.3-3 m, intertidal, 5 km W of Portobelo, Colon Prov., Panamá (9°30'N, 79°42'W), Leg.: A.J. Ferreira, 15 FEB 1975.

Family Chaetopleuridae Plate, 1899

euryplax, *Chaetopleura* (*Pallochiton*) Berry, 1945: Amer. Mid. Nat. 34(2):491-492.

PARATYPE: LACM 1263 (1 dry), Bahía de Adair, Sonora, México, Leg.: E.C. Huffman, 1937.

Remarks: Junior synonym of *Chaetopleura (Pallochiton) mixta* (Dall, 1919) fide Kaas & Van Belle (1998).

roddae, *Chaetopleura* (*Chaetopleura*) Ferreira, 1983a: The Veliger 25(3):214-216.

PARATYPES: LACM 1977 (3 wet), 0 m, intertidal, Salinas, Guayas Prov., Ecuador (2°12'S, 80°58'W), Leg.: J.H. McLean, 5-6 MAR 1970.

Remarks: Emended to *Chaetopleura roddai* Ferreira, 1982 by Kaas & Van Belle, 1978.

shyana, *Chaetopleura* (*Chaetopleura*) Ferreira, 1983a: The Veliger 25(3):219-220.

PARATYPE: LACM 1978 (1 dry). Isla de Pata, Bahía de los Angeles, Golfo de California, Baja California, México (29°00'N, 113°30'W), Leg.: L. Shy, MAY 1976.

Family Chitonidae Rafinesque, 1815

arenosa, *Acanthopleura* Ferreira, 1986a: The Veliger 28(3):255-258.

PARATYPES: LACM 2107 (2 wet), Pebbly Beach (ca. 25 km S of Port Douglas), Queensland,

Australia (16°35'S, 145°22'E), Leg.: A.J. Ferreira & S. Motley, 14 AUG 1981.

Remarks: Currently in the genus *Liolophura* fide Kaas & Van Belle (1998).

lineatus, *Chiton* Wood, 1815: Gen. Conch. p.15, pl. 2, figs. 4-5.

NEOTYPE: LACM 2734 (1 dry), designated by Clark (1999, figs. 1-8), Amer. Malac. Bull. 15(1):34. Old Sitka (Starrigaven Bay), 10 km N of Sitka, Baranof Id., Alexander Archipelago, Sitka Co., Alaska (57°08'N, 135°55'W).

Remarks: Currently in the genus *Tonicella* fide Kaas & Van Belle (1998).

linsleyi, *Rhyssoplax* Burghardt, 1973: Proc. Calif. Acad. Sci., 4th ser., 39(21):501-506.

PARATYPES: LACM 1620 (2 dry), Pu'u o Hulu Beach, S of Ma'ili, Wai'anae Dist., O'ahu, Hawaiian Ids., Leg.: Mrs. H. Gudnason, 26 FEB 1965

Remarks: Currently in the genus/subgenus *Chiton* (*Rhyssoplax*) fide Kaas & Van Belle (1998).

mertensii, *Chiton* Middendorff, 1847: Bull. Acad. Imp. Sci. St. Petersburg, 6(8):118.

NEOTYPE: LACM 1855 (1 dry), designated by Ferreira (1978:20), The Veliger 21(1),

NEOTYPE LOT: LACM 1856 (10 wet), 0 m, intertidal, 0.5 mi. S of Fort Ross, Sonoma Co., California (38°30.7'N, 123°14'W), Leg.: J.H. McLean, 28 DEC 1963.

Remarks: Currently in the genus *Lepidozona* fide Kaas & Van Belle (1998). Radula mounted on glass slide.

Suborder Acanthochitonina Bergenhayn, 1930

Superfamily MOPALIOIDEA Dall, 1889

Family Tonicellidae Simroth, 1894

callisto, *Micichiton* Clark, 2002: Nemouria 46: 2-5, figs. 1-6.

HOLOTYPE: LACM 2884 (dry valves), 10 m, E side entrance to Crescent Bay, NW end of Atka Id., Andreanof Ids., Aleutian Ids., Alaska (52°2'N, 174°14'W), Leg.: R.N. Clark, 8 JUL 1997.

lokii, *Tonicella* Clark, 1999: Amer. Malac. Bull. 15(1):39-41, figs. 17-24.

HOLOTYPE: LACM 2623 (wet), **PARATYPES:** LACM 2624-2625, 0-13 m, Coast Guard breakwater, Monterey Bay, Monterey Co., California (36°45'N, 122°55'W).

venusta, *Tonicella* Clark, 1999: Amer. Malac. Bull. 15(1):41-45, figs. 25-32, 34.

HOLOTYPE: LACM 2626 (dry); **PARATYPES:** LACM 2627-2628 (dry), 1-10 m, Mountain Pt., 8 km S of Ketchikan, Revillagigedo Id., Alexander Archipelago, Sitka Co., California (55°17'35"N, 131°32'20"W).

Family Mopaliidae Dall, 1889

ciliata, *Mopalia* (Sowerby, 1840): Mag. Nat. Hist., n.s. 4:289.

NEOTYPE: LACM 2885 (wet), designated by Clark (2008, figs. 1-10), Amer. Malac. Bull. 25(1/2):75, Whites Pt., Los Angeles Co., California (33°42.8'N, 118°8.3'W), Leg.: S.R. Thorpe, Jr., 11 DEC 1958.

egretta, *Mopalia* Berry, 1919a: Proc. Calif. Acad. Sci., 4th ser., 9(1):13-17.

PARATYPES: LACM 2161 (2 dry), 37 m, Forrester Id., Prince of Wales Co., Alaska, Leg.: G. Willett, 5 AUG 1915.

Remarks: *Ex* UCLA 22411.

ferreirai, *Mopalia* Clark, 1991: The Veliger 34(3):309-313, figs. 1-5, 12.

HOLOTYPE: LACM 2329 (dry); **PARATYPES:** LACM 2330 (2 dry), 0.5-1 m, Rotary Beach, 5 km SE of Ketchikan, Revillagigedo Id., Ketchikan Co., Alaska, (55°16'N, 131°34'N), Leg.: R.N. Clark, 17 AUG 1986.

Remarks: Holotype radula in 70% ethyl alcohol.

hanselmani, *Placiphorella* Clark, 1994: The Veliger 34(3):304-308, figs. 23-25, 36-37.

HOLOTYPE: LACM 2707 (dry); **PARATYPE:** LACM 2708 (1 dry), intertidal, Isla Piojo, Bahía de los Angeles, Golfo de California, Baja California, México (28°57'N, 113°32'W), Leg.: C. & L. Shy, May 1976.

kamehamehae, *Plaxiphora* (*Plaxiphora*) Ferreira & Bertsch, 1979: Trans. San Diego Soc. Nat. Hist. 19(7):75-84.

PARATYPES: LACM 1952 (2 wet), 0 m, intertidal, Ft. Kamehameha Beach, Honolulu Dist., O'ahu, Hawaiian Ids. (21°19'N, 57°57'W).

kennerleyi, *Mopalia* Carpenter, 1864: Rep. Brit. Ass. Adv. Sci. 1863:648.

NEOTYPE: LACM 2886 (wet), designated by Clark (2008, figs. 2-6), Amer. Malac. Bull. 25(1/2):73. Tacoma Narrows, "Puget Sound," Pierce Co., Washington (47°16'N, 122°31'W), Leg.: S.R. Thorpe, Jr., 1 JUL 1965.

mirabilis, *Placiphorella* Clark, 1994: The Veliger 37(3):303-304, figs. 20-22, 34-35.

HOLOTYPE: LACM 2703 (wet), 69 m, 1.2 mi. 130 deg. T from Long Pt., Santa Catalina Id., California Channel Ids., California (33°23.5'N, 115°13.3'W), Leg.: R/V *Velero IV*, 13 FEB 1965;

PARATYPE: LACM 2704 (1 dry), 82-91 m, E of Long Pt., Santa Catalina Id., California Channel Ids., California (33°23.7'N, 118°20.07'W), Leg.: R/V *Velero III*, 10 AUG 1941;

PARATYPE: LACM 2705 (1 wet), 66 m, 1.25 mi. E of White Cove, Santa Catalina Id., California Channel Ids., California (33°23.54'N, 118°20.9'W), Leg.: R/V *Velero IV*, 31 OCT 1948; **PARATYPE:** LACM 2706 (2 wet), 82 m, 0.4-0.7 mi. 110 to 132 deg.T from Ship Rock, Santa Catalina Id., California Channel Ids. (33°23.5'N, 118°13.3'W), Leg.: R/V *Velero IV*, 13 FEB 1965.

Remarks: Incorrect longitude cited by Clark for holotype, correct longitude = 118°20.80'W.

pedroana, *Mopalia* Willett, 1932a: The Nautilus 45(3):101-102, pl. 7, fig. 1.

HOLOTYPE: LACM 1025 (dry), 27 m, off San Pedro, Los Angeles Co., California, Leg.: G. Willett, AUG 1930.

Remarks: Junior synonym of *Mopalia acuta* (Carpenter, 1855) fide Kaas & Van Belle (1998).

rufa, *Placiphorella* (*Placiphorella*) Berry, 1917: Proc. Calif. Acad. Sci., 4th ser., 7(10):241-244.

PARATYPES: LACM 2160 (11 dry), 27-46 m, Forrester Id., Prince of Wales Co., Alaska, Leg.: G. Willett, JUL 1914-1916.

Remarks: *Ex* UCLA 22446.

spectabilis, *Mopalia* Cowan & Cowan, 1977: Syesis 10:46-52.

PARATYPES: LACM 2051 (2 wet), Mayne Id., Navy Channel, Georgia Strait, Capital Dist., British Columbia, Canada, Leg.: G.I.McT. Cowan & I.McT.Cowan, JUN 1970.

Family Acanthochitonidae Pilsbry, 1893

burhardtae, *Acanthochitona* Clark, 2000b: *Nemouria* 43:13-15, figs. 21, 23-24.

HOLOTYPE: LACM 2880 (coated); **PARATYPE:** LACM 2881 (1 dry), 12 m, Canal de San Lorenzo (ca. 40 km N of La Paz), Golfo de California, Baja California México (24°21'N, 111°15'W), Leg.: M. Medina-Lopez, 2 FEB 1995.

Remarks: Disarticulated valves of holotype on SEM stub.

shaskyi, *Acanthochitona* Ferreira, 1987: *Bull. So. Calif. Acad. Sci.*, 86(1):47-52.

PARATYPES: LACM 2125 (2 wet), 46-69 m, Bahía Chatham, Isla del Coco, East Pacific (5°33'N, 87°02'W), Leg.: D.R. Shasky.

Remarks: Junior synonym of *Acanthochitona angelica* Dall, 1919 fide Kaas & Van Belle (1998).

CLASS SCAPHOPODA Bronn, 1862

Order Dentaliida Da Costa, 1834

Family Dentaliidae Gray, 1834

actiniophorum, *Fissidentalium* Shimek, 1997: *The Veliger* 40(2):181-189, fig. 3.

HOLOTYPE: LACM 2792 (shell dry, animal wet), 4100 m, 226 km W of Pt. Arguello, Santa Barbara Co., California (34°44'N, 123°12'W), Leg.: K.L. Smith, R/V *New Horizon*, 4 NOV 1993; **PARATYPE:** LACM 2793 (shell dry, animal wet), 4100 m, 226 km W of Pt. Arguello, Santa Barbara Co., California (34°42'N, 123°08'W), Leg.: K.L. Smith, R/V *New Horizon*, 7 NOV 1993; **PARATYPES:** LACM 2809 (6 dry shells, animals wet), 4100 m, 226 km W of Pt. Arguello, Santa Barbara Co., California (34°45'N, 123°02'W), Leg.: K.L. Smith, R/V *New Horizon*, 24 FEB 1993; **PARATYPES:** LACM 2810 (4 dry shells, animals wet), 4100 m, 226 km W of Pt. Arguello, Santa Barbara Co., California (34°44'N, 123°12'W), Leg.: K.L. Smith, R/V *New Horizon*, 4 NOV 1993; **PARATYPES:** LACM 2811 (2 dry shells, animals wet), 4100 m, 226 km W of Pt. Arguello, Santa Barbara Co., California (34°41'N, 123°05'W), Leg.: K.L. Smith, R/V *New Horizon*, 5 FEB 1994.

brevicornu, *Dentalium* (*Compressidens*) Sharp & Pilsbry, 1897: *Tryon's Manual of Conchology*, 1st ser., 17:125.

PARATYPE: LACM 1757 (1 dry), 1159 m, Islas Galápagos, Leg.: U.S. Fish Commission.

Remarks: Currently in the genus *Compressidens* fide Steiner & Kabat (2004).

erosum, *Fissidentalium* Shimek & Moreno, 1996: *The Veliger* 39(1):77-81, figs. 2A-B.

HOLOTYPE: LACM 2755 (shell dry, animal wet); **PARATYPE:** LACM 2756 (shell dry, animal wet), 3090-3300 m, Pioneer Canyon, WSW of Pigeon Pt., San Mateo Co., California, Leg.: G. Moreno, 29 FEB 1992.

hancocki, *Dentalium* Emerson, 1956: *Amer. Mus. Novitates*, 1787:3-6, fig. 1.

HOLOTYPE: LACM 1758 (dry); **PARATYPE:** LACM 1759 (1 dry), 9-33 m, 0.5 mi. SE of Punta Hughes, Bahía Santa Maria, Pacific Coast Baja California Sur, México (24°44.5'N, 112°14.90'W), Leg.: R/V *Velero IV*, 4 APR 1949; **PARATYPES:** LACM 2887 (2 dry), 20.1 m, off Punta Penasco, Sonora, México (31°18.70'N, 113°38.17'W), R/V *Velero III*, 3 FEB 1940; **PARATYPE:** LACM 2888 (1 dry), 36.5 m, 2.25 mi. 162 deg. T from Cabo Pulmo, Golfo de California, Baja California Sur, México (23°23.90'N, 109°24.30'W), Leg.: R/V *Velero III*, 13

MAR 1949; **PARATYPE**: LACM 2889 (1 dry), 36.5 m, Bahía Agua Verde, Golfo de California, Baja California Sur, México (25°31.0'N, 111°4.0'W), Leg.: R/V *Velero III*, 18 MAR 1936.
Remarks: Currently in the genus *Tesseracme* fide Steiner & Kabat (2004). Holotype and paratype LACM 1759 ex AHF 1787-49.

megathyris, *Dentalium* Dall, 1890: Proc. U.S. Nat. Mus. 12(773):293.

PARATYPE: LACM 1816 (1 dry), 1485 m, Islas Galápagos, Leg.: U.S. Fish Commission.

Remarks: Currently in the genus *Fissidentalium* fide Steiner & Kabat (2004).

numerosum, *Dentalium oerstedii* Dall in Pilsbry & Sharp, 1897: Tryon's Manual of Conchology, 1st ser., 17:25.

PARATYPE: LACM 1755 (1 dry), 80 m, near Isla Cedros, Pacific coast Baja California, México (28°12'N, 115°09'W), Leg.: U.S. Fish Commission.

Remarks: Junior synonym of *Dentalium oerstedii* Mörch, 1861 fide Steiner & Kabat (2004).

panamense, *Dentalium megathyris* Dall, 1908: Bull. Mus. Comp. Zool. 43(6):357-358.

PARATYPE: LACM 1836 (1 dry), 3241 m, Isla Malpelo, Colombia, Leg.: U.S. Fish Commission.

Remarks: Junior synonym of *Fissidentalium megathyris* (Dall, 1889) fide Steiner & Kabat (2004).

Family Rhabdidae Chistikov, 1975

dalli, *Dentalium (Rhabdus)* Pilsbry & Sharp, 1897: Tryon's Manual of Conchology, 1st ser., 17:114-115.

PARATYPE: LACM 1756 (1 dry), 642 m, N of Unalaska Id., Aleutian Ids. Co., Alaska, Leg.: U.S. Fish Commission.

Remarks: Currently in the genus *Rhabdus* fide Steiner & Kabat (2004).

Order Gadilida Starobogatov, 1977

Family Pulsellidae Scarabino *in* Boss, 1982

salishorum, *Pulsellum* Marshall, 1980: The Veliger 23(2):149-152.

PARATYPES: LACM 1929 (4 dry), 27 m, East Sound, Orcas Id., San Juan Ids., San Juan Co., Washington, Leg.: E. Marshall; R/V *Caracoles*, 16 AUG 1977.

Family Gadilidae Stoliczka, 1868

macleani, *Cadulus (Platyschides)* Emerson, 1978: The Nautilus 92(3):122, figs. 1-3.

HOLOTYPE: LACM 1886 (dry); **PARATYPES**: LACM 1887 (3 dry), 18-55 m, Bahía de los Muertos, Golfo de California, Baja California Sur, México (23°55'N, 109°46'W), Leg.: J.H. McLean, P. Oringer, & L. Marincovich, 8 APR 1966.

Remarks: Currently in the genus *Cadulus* fide Steiner & Kabat (2004).

nedallisoni, *Cadulus (Polyschides)* Emerson, 1978: The Nautilus 92(3):120-122.

PARATYPES: LACM 2117 (2 dry), 22-24 m, Corinto, Chinandega Dept., Nicaragua (12°28.05'N, 87°12.65'W), Leg.: Zaca Expedition, 5 JAN 1938.

Remarks: Currently in the genus *Polyschides* fide Steiner & Kabat (2004).

splendens, *Dischides* Raines, 2002a: La Conchiglia 34(304):37-38, fig. 47.

HOLOTYPE: LACM 2949 (dry); **PARATYPE:** LACM 2950 (1 dry), 50-80 m, off Tahai, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

CLASS GASTROPODA Cuvier, 1791

Clade Patellogastropoda Lindberg, 1986

Superfamily LOTTIOIDEA Gray, 1840

Family Acmaeidae Forbes, 1850

arcuata, *Pectinodonta* Dall, 1882: Proc. U.S. Nat. Mus. 4(246):409-410.

PARATYPE: LACM 1426 (1 dry), 413 m, off Santa Lucia, St. Thomas, U.S. Virgin Ids.

aupouria, *Pectinodonta* Marshall, 1985a: New Zealand Jour. Zool. 12(2):277-279.

PARATYPES: LACM 2763 (3 wet), 1075-1100 m, off White Bay, Bay of Plenty, North Id., New Zealand (37°23.7'S, 177°39.5'E), Leg.: O.M. Moore & P.J. McMillan, R/V *Kalinovo*, 23 NOV 1981.

kapalae, *Pectinodonta* Marshall, 1985a: New Zealand Jour. Zool. 12(2):280.

PARATYPE: LACM 2765 (1 wet), 941-978 m, off Ulladulla, New South Wales, Australia (35°30'S, 150°52'E), Leg.: R/V *Kapalae*, 8 SEP 1983.

moria, *Pectinodonta* Marshall, 1985a: New Zealand Jour. Zool. 12(2):279-280.

PARATYPES: LACM 2764 (3 wet), 800-810 m, Chatham Rise, NE of Mernoo Bank, SE of Cape Palliser, North Wellington, North Id., New Zealand (42°44'S, 176°07'E), Leg.: P. Grimes, R/V *Kaltan*, 28 SEP 1982.

Family Lepetidae Gray, 1850

curumim, *Propilidum* Leal & Simone, 1998: Bull. Mar. Sci. 63(1):158-164.

PARATYPES: LACM 2806 (6 wet; 5 dry), 166 m, off Chuí, Rio Grande do Sul State, Brazil, Leg.: R/V *Wladimir Besnard*, JAN 1972.

lindbergi, *Iothia* McLean, 1985a: The Veliger 27(3):336-337, fig. 1.

HOLOTYPE: LACM 2063 (dry), **PARATYPES:** LACM 2064 (2 dry), 183 m, 6 mi. W of Pt. Piños, Monterey Co., California (36°39'N, 122°01'W), Leg.: J.H. McLean, Hopkins Marine Lab., R/V *Tage*, 2 MAR 1961.

lissocona, "*Cocculina*" Dall, 1927: Proc. U.S. Nat. Mus. 70:110.

PARALECTOTYPE: LACM 2741 (1 dry), designated by McLean & Harasewych (1995:31), Nat. Hist. Mus. L.A. Co. Cont. Sci. 453. 538 m, off Fernandina, Nassau Co., Florida.

Family Lottiidae Gray, 1840

acutapex, "*Acmaea*" Berry, 1960: Leaflets in Malac. 1(19):117.

PARATYPES: LACM 1876 (4 dry), Punta Cholla, W of Puerto Peñasco, Golfo de California, Sonora, México, Leg.: S.S. Berry, 23-24 MAR 1948.

Remarks: Currently in the genus *Lottia*.

albomaculata, *Lottia gigantea* Dall, 1910: The Nautilus 24(8):96.

HOLOTYPE: LACM 1953 (dry), Laguna Beach, Orange Co., California.

Remarks: Junior synonym of *Lottia gigantea* Sowerby, 1834.

apicina, *Acmaea* Dall, 1879: Proc. U.S. Nat. Mus. 1:341-342.

PARATYPES: LACM 1425 (2 dry), E side of Simeohoff Id., Shumagin Ids., Aleutian Ids. Co., Alaska

Remarks: Currently in the genus *Erginus*.

borealis, *Collisella* Lindberg, 1982: Wassmann Jour. Biol. 40(1-2):52-56.

PARATYPES: LACM 2655 (4 wet), S side Gibson Id., Chichagof Harbor, Attu Id., Aleutian Ids. Co., Alaska (52°57'N, 173°16'W), Leg.: D.R. Lindberg, 6 AUG 1979.

Remarks: Currently in the genus/subgenus *Lottia* (*Collisella*).

chamororum, *Patelloida* Lindberg & Vermeij, 1985: The Veliger 27(4):412-416.

PARATYPES: LACM 2611 (2 dry), Asanite Bay, Guam (13°20'N, 144°46'E), Leg.: G.J. Vermeij, 10 JUL 1970.

immaculata, *Notoacmaea* Lindberg & McLean, 1981: Proc. Calif. Acad. Sci., 4th ser., 42(12): 331-332, fig. 14.

HOLOTYPE: LACM 1923 (dry), 0-3 m, intertidal, Caleta del Norte, W side Isla Baltra, off N end, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°26'S, 90°17'W), Leg.: R/V *Anton Bruun*, 21 SEP 1966

Remarks: Currently in the genus *Tectura*. Radula mounted on glass slide.

mimica, *Lottia* (*Lottia*) Lindberg & McLean, 1981: Proc. Calif. Acad. Sci., 4th ser., 42(12): 332-334, figs. 17-19.

HOLOTYPE: LACM 1925 (shell dry, animal wet), 0 m, intertidal, Isla Coamano, Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°38'S, 90°23'W), Leg.: J. DeRoy, OCT 1967; **PARATYPES:** LACM 1926 (16 dry; 18 wet), Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos, Leg.: J. DeRoy, 1967-1969.

Remarks: Holotype radula mounted on glass slide.

morchii, *Acmaea scabra* var. Dall, 1878: Proc. U.S. Nat. Mus. 1(18):47.

PARATYPES: LACM 1956 (6 dry), Tomales, Marin Co., California, Leg.: H. Hemphill.

Remarks: Junior synonym of *Lottia* (*Collisella*) *limatula* (Carpenter, 1864).

pumila, *Notoacmaea* Lindberg & McLean, 1981: Proc. Calif. Acad. Sci., 4th ser., 42(12): 328-329, figs. 8-9.

HOLOTYPE: LACM 1919 (dry); **PARATYPES:** LACM 1920 (58 dry, 2 wet), 0 m, intertidal, NW side Punta Ancón, Peninsula de Santa Elena, Esmeraldas Prov., Ecuador (2°19.5'S, 80°54'W), Leg.: J.H. McLean, 6 MAR 1970.

Remarks: Currently in the genus *Tectura*.

punicus, *Erginus* (*Erginus*) Lindberg, 1988: PaleoBios 12(46):3-4, pl. 1, figs. B-D.

HOLOTYPE: LACM 2178 (dry); **PARATYPES:** LACM 2179 (34 dry), 0 m, intertidal, 2.5 km N of Tomari, Aomori Pref., Honshu, Japan, Leg.: R.F. Bolland, 16 APR 1978

rothi, *Notoacmaea* Lindberg & McLean, 1981: Proc. Calif. Acad. Sci., 4th ser., 42(12):329-331, fig. 11.

HOLOTYPE: LACM 1921 (shell dry, animal wet); **PARATYPE:** LACM 1922 (1 dry), 0 m, intertidal, Bahía Wreck, Isla San Cristobal (= Chatham Id.), Islas Galápagos (0°54'S, 89°36'W),

Leg.: J. DeRoy, 12 MAY 1968

Remarks: Currently in the genus *Tectura*. Holotype radula mounted on glass slide.

smithi, *Lottia* (*Lottia*) Lindberg & McLean, 1981: Proc. Calif. Acad. Sci., 4th ser., 42(12): 334-337, figs. 20-22.

HOLOTYPE: LACM 1927 (1 dry), 0 m, intertidal, Punta Nuñez, Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°38'S, 90°23'W), Leg.: J. DeRoy, 13 OCT 1969; **PARATYPES:** LACM 1928 (9 dry, 13 wet animals), Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos.

Remarks: Radulae mounted on glass slides.

stanfordiana, *Acmaea* Berry, 1957: Leaflets in Malac., 1(14):76-77.

PARATYPES: LACM 1012 (3 dry), Punta Peñasco, Golfo de California, Sonora, México, Leg.: F.B. Howard, FEB 1957.

Remarks: Currently in the genus *Lottia*.

ubiquita, *Notoacmaea* Lindberg & McLean, 1981: Proc. Calif. Acad. Sci., 4th ser., 42(12): 326-328, figs. 5-7.

HOLOTYPE: LACM 1917 (dry); **PARATYPES:** LACM 1918 (2 dry), 0.0-5 m, Playa las Hadas, S side Peninsula de Santiago, Bahía Manzanillo, Colima, México (19°06.6'N, 104°21.7'W), Leg.: J.H. McLean & C. Tenney, 21-24 MAR 1963.

Remarks: Currently in the genus *Tectura*. Radulae mounted on glass slides.

Superfamily NEOLEPETOPSOIDEA McLean, 1990

Family Neolepetopsidae McLean, 1990

clementensis, *Paralepetopsis* McLean, 2008: Jour Shellfish Res. 27(1):18-19, figs. 2B, 3B, 3E.

HOLOTYPE: LACM 3092 (shell dry, animal wet); **PARATYPE:** LACM 3093 (dry), 1800 m, San Clemente Seep, SW of San Diego, San Diego Co., California (32°12'N, 117°44'W), Leg.: R/V *Alvin*, C.R. Smith, 29 MAR 2000.

Remarks: Radula of holotype mounted on glass slide.

densata, *Neolepetopsis* McLean, 1990b: Jour. Zool. Soc., London 222:496-499, pl. 3, figs. a-d.

HOLOTYPE: LACM 2405 (shell dry, animal wet); **PARATYPES:** LACM 2406 (1 dry, 1 wet, 1 gold coated), 2725 m, East Pacific Rise, East Pacific (11°46'N, 103°47'W), Leg.: R/V *Alvin*, 25 MAR 1988.

floridensis, *Paralepetopsis* McLean, 1990b: Jour. Zool. Soc., London 222:510-513, pl. 10, figs. a-c.

HOLOTYPE: LACM 2420 (dry); **PARATYPES:** LACM 2421 (2 dry, 5 wet); **PARATYPES:** LACM 2422 (6 dry, 13 wet); **PARATYPES:** LACM 2423 (1 dry, 6 wet, 1 gold coated), 3270 m, Florida Escarpment, off SW Florida (26°03'N, 84°54'W), Leg.: R/V *Alvin*, 9 MAR 1984.

Remarks: Radula of paratype LACM 2422 mounted on glass slide.

gordensis, *Neolepetopsis* McLean, 1990b: Jour. Zool. Soc., London 222:492-496, pl. 1, figs. a-c.

HOLOTYPE: LACM 2401 (shell dry, animal wet); **PARATYPE:** LACM 2400 (shell dry, animal wet); **PARATYPES:** LACM 2402 (2 dry, 5 wet, 1 gold coated); **PARATYPES:** LACM 2403 (2 dry, 6 wet, 2 gold coated); **PARATYPES:** LACM 2404 (3 dry, 4 wet), 3200-3250 m, Escanaba Trough, Gorda Ridge off California, East Pacific (41°00'N, 127°29'W), Leg.: R/V *Alvin*, 10 JUN 1988.

Remarks: Radulae of paratypes LACM 2402 & LACM 2404 mounted on glass slides.

nicolasensis, *Neolepetopsis* McLean, 2008: Jour. Shellfish Res. 27(1):16-17, figs. 1C, , 3A, 3C.

HOLOTYPE: LACM 3089 (shell dry, animal wet); **PARATYPE:** LACM 3090 (dry), 960 m, NW of San Nicolas Id., California Channel Ids., California (33°20.35'N, 119°58.85'W), Leg.: C.R. Smith, 30 APR 1995.

Remarks: Radula of paratype mounted on glass slide.

occulta, *Neolepetopsis* McLean, 1990b: Jour. Zool. Soc., London 222:501-503, pl. 6, figs. a-c.

HOLOTYPE: LACM 2409 (shell dry, animal wet); **PARATYPES:** LACM 2410 (4 dry, 13 wet, 1 gold coated), 1990 m, Green Seamount, East Pacific (20°49'N, 109°17'W), Leg.: R/V *Alvin*, 5 FEB 1982.

tunnicliffae, *Paralepetopsis* McLean, 2008: Jour. Shellfish Res. 27(1):17-18, figs. 2A, 3D.

HOLOTYPE: LACM 3091 (dry), 2145 m, Clam Bed, Chowder Hill, Middle Segment, Juan de Fuca Ridge, East Pacific (48°27.50'N, 128°42.50'W), Leg.: V. Tunnicliffe, 26 JUN, 1992.

Remarks: Radula of holotype mounted on glass slide.

verruca, *Neolepetopsis* McLean, 1990b: Jour. Zool. Soc., London 222:499-501, pl. 5, figs. a-d.

HOLOTYPE: LACM 2407 (shell dry, animal wet); **PARATYPE:** LACM 2408 (1 dry), 2595 m, East Pacific Rise, East Pacific (20°51'N, 109°04.9'W), Leg.: R/V *Alvin*, 22 APR 1979.

vitrea, *Eulepetopsis* McLean, 1990b: Jour. Zool. Soc., London 222:503-509, pl. 7, figs. a-d; pl. 8, figs. d-g.

HOLOTYPE: LACM 2417 (dry); **PARATYPES:** LACM 2418 (4 dry, 23 wet), 2618 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 9 MAY 1982; **PARATYPES:** LACM 2411 (3 dry), 2615 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 17 APR 1982; **PARATYPES:** LACM 2412 (3 dry), 2617 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 19 APR 1982; **PARATYPES:** LACM 2413 (5 dry, 3 wet), 2633 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 20 APR 1982; **PARATYPES:** LACM 2414 (16 wet), 2612 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 25 APR 1982; **PARATYPES:** LACM 2415 (27 wet), 2618 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 4 MAY 1982; **PARATYPES:** LACM 2416 (8 dry, 6 wet), 2616 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 7 MAY 1982; **PARATYPES:** LACM 2419 (4 dry, 6 wet), 2616 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 10 MAY 1982, **PARATYPE:** LACM 2475 (1 dry, 1 wet), 2617 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 26 APR 1982.

Clade Vetigastropoda Salvini-Plawen, 1987

Superfamily PLEUROTOMARIOIDEA Swainson, 1840

Family Pleurotomariidae Swainson, 1840

maureri, *Perotrochus* Harasewych & Askew, 1993: The Nautilus 106(4):130-136.

PARATYPES: LACM 2629 (3 wet), 198-213 m, 80 naut. mi. E of Charleston, Charleston Co., South Carolina (32°43.90'N, 78°06.00'W), Leg.: Askew, Slater, R/V *Nekton Delta*, 2 MAY 1987.

Superfamily HALIOTOIDEA Rafinesque, 1815

Family Haliotidae Rafinesque, 1815

guadalupensis, *Haliotis (Sulculus) fulgens* Talmadge, 1964: Trans. San Diego Soc. Nat. Hist. 13(18):375.

PARATYPE: LACM 1210 (1 dry), S tip Morro Sur, Isla Guadalupe, Pacific Coast Baja California, México, Leg.: R. Clutter, P. Taylor, & C. Boyd, 30 JAN 1960.

Remarks: Junior synonym of *Haliotis fulgens* Philippi, 1845 fide Geiger & Poppe (2000).

oweni, *Haliotis (Sulculus) corrugata* Talmadge, 1966: L.A. Co. Mus. Nat. Hist. Cont. Sci. 109:1-4, figs. 1-2.

HOLOTYPE: LACM 1147 (dry); **PARATYPES:** LACM 1148 (3 dry), 6 m, W anchorage, Isla Guadalupe, Pacific Coast Baja California, México, Leg.: R.S. Owen, OCT 1965.

Remarks: Junior synonym of *Haliotis corrugata* Wood, 1828 fide Geiger & Poppe (2000).

patamkanthini, *Haliotis* Dekker, Regter, & Gras, 2001: Of Sea & Shore 23(4):199-200.

PARATYPE: LACM 2753, (1 dry), 10-20 m, Rahcha Ids., Andaman Sea, Thailand (7°36'N, 98°20'E), Leg.: S. Patamakanthin.

roberti, *Haliotis (Padollus)* McLean, 1970a: Malac. Review 2:115-116, figs. 1-2.

HOLOTYPE: LACM 1368 (shell dry, animal wet); **PARATYPES:** LACM 1369 (5 dry shells, animals wet), 73-128 m, Bahía Chatham, Isla del Coco, East Pacific (5°33.8'N, 86°58.92'W), Leg.: R/V *Velero III*, 14 JAN 1938.

splendidula, *Haliotis (Sulculus) cracherodii* Williamson, 1892: Proc. U.S. Nat. Mus. 15(898):198.

HOLOTYPE: LACM 1035 (dry); **PARATYPE:** LACM 1687 (1 dry), Pt. Vicente, Palos Verdes Peninsula, Los Angeles Co., California, Leg.: Mrs. M.B. Williamson.

Remarks: Junior synonym of *Haliotis cracherodii* Leach, 1814 fide Geiger & Poppe (2000).

Superfamily SCISSURELLOIDEA Gray, 1847

Family Scissurellidae Gray, 1847

alto, *Scissurella* Geiger, 2003: Moll. Res 23(1):27-29, figs1-2.

HOLOTYPE: LACM 2914 (coated); **PARATYPE:** LACM 2915, 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines, DEC 2000.

carolarum, *Sinezona* Geiger & McLean, 2010: Zootaxa 2356:8-11.

PARATYPES: LACM 3116 (5 dry), 12-15 m, Île de Clipperton, Eastern Pacific (10°18.17'N, 109°11.52'W), Leg.: K.L. Kaiser; M/V *Royal Star*, 18 APR 1994.

demispira, *Coronadoa* Geiger & McLean, 2010: Zootaxa 2356:12-15, fig. 9.

HOLOTYPE: LACM 3113 (dry, coated); **PARATYPES:** LACM 31143115, 26-40 m, Farnsworth Bank, S of Santa Catalina Id., California Channel Islands, California (33°21'N,

118°31'W), Leg.: J.H. McLean

epicharis, *Scissurella* McLean, 1970a: Malac. Review 2:117, fig. 3.

HOLOTYPE: LACM 1370 (dry, lost); **PARATYPE:** LACM 1371 (1 dry), 22 m, Bahía Cartago, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°35'N, 90°57'W), Leg.: R/V *Velero III*, 21 JAN 1938.

Remarks: Currently in the genus *Anatoma*.

euripes, *Temnocinclis* McLean, 1989b: Nat. His. Mus. L.A. Co. Cont. Sci. 407:7-9, figs. 1D-F; 4A.

PARATYPE: LACM 2351 (1 wet), 2213 m, Axial Seamount, Endeavor Segment, Juan de Fuca Ridge off Washington, East Pacific (47°57.0'N, 129°06.0'W), Leg.: R/V *Alvin*, 3 SEP 1984;

PARATYPE: LACM 2352 (shell dry, animal wet), 1575 m, hydrothermal vents of Axial Seamount, Juan de Fuca Ridge off Washington, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces IV*, 27 JUL 1986; **PARATYPE:** LACM 2353 (shell dry, animal wet), Hydrothermal vents of southern Juan de Fuca Ridge off Oregon, East Pacific (44°39.2'N, 130°22.0'W), Leg.: R/V *Alvin*, 27 JUL 1986.

Remarks: Shell of paratype LACM 2351 fragmented, body sectioned (female).

exorum, *Depressizona* Geiger, 2003: Moll. Res. 23(1):51-52, fig. 14.

HOLOTYPE: LACM 2932 (coated); **PARATYPE:** LACM 2933, 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines, DEC 2000.

hawaiiensis, *Sinezona* Geiger & McLean, 2010: Zootaxa 2356:8, fig. 4.

HOLOTYPE: LACM 2466 (dry, coated): 27.4 m, off Waikiki, Honolulu Dist, 'Oahu, Hawaiian Islands (21°16.20'N, 157°50.40'W), Leg.: T. Bratcher, OCT 1975.

keenae, *Scissurella* McLean, 1970a: Malac. Review 2:117, fig. 4.

HOLOTYPE: LACM 1372 (dry); **PARATYPES:** LACM 1373 (6 dry), 84 m, Isla Angel de la Guarda, Golfo de California, México (29°32'N, 113°38'W), Leg.: R/V *Velero III*, 20 MAR 1938.

Remarks: Currently in the genus *Anatoma*.

parilis, *Temnozaga* McLean, 1989b: Nat. Hist. Mus. L.A. Co. Cont. Sci. 407:9-11, figs. 2G-H, 5C-D.

PARATYPE: LACM 2354 (shell missing; animal wet), 2615 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 14 MAY 1982.

senni, *Satondella* Geiger, 2003: Moll. Res. 23(1):30-31, fig. 3.

HOLOTYPE: LACM 2911 (coated); **PARATYPE:** LACM 2923 (1 coated, missing), 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines, DEC 2000.

theca, *Sutilizona* McLean, 1989b: Nat. His. Mus. L.A. Co. Cont. Sci. 407:15, figs. 3A-B, 5E-F.

PARATYPE: LACM 2355 (2 dry), 2715 m, on sulfide mounds at base of inactive chimney, East Pacific Rise, East Pacific (11°46'N, 103°47'W), Leg.: R/V *Alvin*, 25 MAR 1988.

zimmeri, *Sinezona* Geiger, 2003: Moll. Res. 23(1):33-37, figs. 5-9.

HOLOTYPE: LACM 2912 (coated); **PARATYPES:** LACM 2913 (3 coated), 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines, DEC 2000.

Family Anatomidae McLean, 1989

baxteri, *Anatoma* McLean, 1984a: The Veliger 26(3):233, fig. 1.

HOLOTYPE: LACM 1991 (dry); **PARATYPES**: LACM 1992 (25 dry), 9 m, off N side Hesketh Id., Kachemak Bay, Kenai Peninsula, Kenai-Cook Inlet Co., Alaska (59°30.5'N, 151°31'W), Leg.: J.H. McLean & Rae Baxter, 2 AUG 1973.

rainesi, *Anatoma* Geiger, 2003: Moll. Res. 23(1):44-46, figs. 11-12.

HOLOTYPE: LACM 2909 (coated); **PARATYPE**: LACM 2910 (1 coated), 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines, DEC 2000.

Superfamily FISSURELLOIDEA Fleming, 1822

Family Fissurellidae Fleming, 1822

angusta, *Emarginula* McLean, 1970c: The Veliger 12(3):363-364, pl. 54, figs. 14-15.

HOLOTYPE: LACM 1308 (dry), 60-170 m, off Isla San Félix, Islas Desventurados, East Pacific (26°20'S, 80°02'W), Leg.: R/V *Anton Bruun*, 12 JUL 1966

arnoldi, *Diodora* McLean, 1966: L.A. Co. Mus. Nat. Hist. Cont. Sci. 100:5-7, figs. 3-4.

HOLOTYPE: LACM 1143 (dry); **PARATYPES**: LACM 1144 (9 dry), 21 m, 3 mi. S of Carmel, San Jose Beach Creek, Monterey Co., California, Leg.: J.H. McLean, 6 FEB 1964

barbouri, *Fissurella* (*Cremides*) Farfante, 1943: Johnsonia 1(10):9.

PARATYPE: LACM 1218 (1 dry), 1 mi. W of Nassau, New Providence, Bahamas, Leg.: P.D. Ford, 1943.

chilensis, *Tugali* McLean, 1970c: The Veliger 12(3):362-363, pl. 54, figs. 8-9.

HOLOTYPE: LACM 1306 (dry), 0 m, intertidal, Bahía Carvajal, S end of Isla Más a Tierra, Islas Juan Fernández, East Pacific (34°50'S, 70°00'W), Leg.: R. Seapy, 17 JUL 1966.

decorata, *Puncturella* Cowan & McLean, 1968: The Veliger 11(2):105-108.

PARATYPES: LACM 1175 (2 dry), 94 m, off W coast of Queen Charlotte Ids., British Columbia, Canada (53°21.3'N, 133°04.1'W), Leg.: F.R. Bernard, 11 AUG 1967.

Remarks: Currently in the genus *Cranopsis*.

decemcostata, *Fissurella* (*Cremides*) McLean, 1970c: The Veliger 12(3):365-366, pl. 54, figs. 1-2.

HOLOTYPE: LACM 1313 (dry); **PARATYPE**: LACM 1314 (1 dry), Playa Caleta, Acapulco, Guerrero, México, Leg.: E.C. Huffman, 18 DEC 1937.

depressa, *Clathrosepta* McLean & Geiger, 1998: Nat. Hist. Mus. L.A. Co. Cont. Sci. 475:13-14, figs. 7A-D.

HOLOTYPE: LACM 2784 (shell dry, animal wet), 1160 m, eastern slope of Volcano 5, East Pacific Rise, East Pacific (12°58.0'N, 103°26.0'W), Leg.: L. Levin, R/V *Alvin*, 15 JUN 1984.

deroyae, *Fissurella* (*Cremides*) McLean, 1970a: Malac. Review 2:118, figs. 7-8.

HOLOTYPE: LACM 1375 (dry); **PARATYPES**: LACM 1376 (5 dry), Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Isla Galápagos (0°45'S, 90°20'W), Leg.: J. DeRoy, OCT 1967.

dictya, *Emarginula* McLean, 1970c: The Veliger 12(3):364, pl. 54, figs. 16-17.

HOLOTYPE: LACM 1309 (dry); **PARATYPE**: LACM 1310 (1 dry), 160-170 m, off Isla San Félix, Islas Desventurados, East Pacific (26°20'S, 80°02'W), Leg.: R/V *Anton Bruun*, 12 JUL

1966.

eleanorae, *Lucapinella* McLean, 1967: The Veliger 9(3):350-351, pl. 49, figs. 2-4.

HOLOTYPE: LACM 1153 (dry), 18 m, off La Cruz, Bahía Banderas, Jalisco, México, Leg.: J.H. McLean & A.M. Keen, 24 MAR 1965.

fumarium, *Puncturella* Hedley, 1911: Report on the Mollusca obtained by the F.I.S.

"Endeavor," ... 1909-1910 under H.C. Dannevig, Commonwealth Director of Fisheries 1:100-101.

PARATYPE: LACM 1964 (1 dry), 183 m, 64 km S of Cape Wiles, South Australia, Australia.

galapagensis, *Nesta* McLean, 1970c: The Veliger 12(3):363, pl. 54, fig. 18-19.

HOLOTYPE: LACM 1307 (dry), 146-183 m, Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°16'S, 91°22'W), Leg.: R/V *Velero III*, 15 JAN 1934.

hessleri, *Manganesepta* McLean & Geiger, 1998: Nat. Hist. Mus. L.A. Co. Cont. Sci. 475:7, figs. 2A-G.

HOLOTYPE: LACM 2785 (dry); **PARATYPES:** LACM 2786 (3 dry), 4500 m, North Equatorial Pacific, northwest of Ile de Clipperton, East Pacific (14°40'N, 125°25'W), R/V *Melville*, JUN 1983.

howensis, *Scutus* Iredale, 1940: Australian Zool. 9(4):429-430.

PARATYPES: LACM 1963 (2 dry), Lord Howe Id., Australia, Leg.: R. Bell.

levinae, *Cornisepta* McLean & Geiger, 1998: Nat. Hist. Mus. L.A. Co. Cont. Sci. 475:22-23, figs. 13A-F.

HOLOTYPE: LACM 2788 (dry), 1775 m, summit of Volcano 6, East Pacific Rise, East Pacific (12°44.0'N, 102°33.0'W), Leg.: Lisa Levin, R/V *Alvin*, 3 JUN 1994.

longifissa, *Puncturella* Dall, 1914: The Nautilus 28(5):63.

PARATYPE: LACM 1689 (1 dry), 18 m, off Ostrov Beringa (= Bering Id.), Komandorskiye Ostrova, western Bering Sea, Russia.

microsticta, *Diodora* Dall, 1927: Proc. U.S. Nat. Mus. 70(2268):9.

SYNTYPES: LACM 1878 (2 dry), Florida.

morrisoni, *Fissurella* (*Clypidella*) McLean, 1970a: Malac. Review 2:117-118, figs. 5-6.

HOLOTYPE: LACM 1374 (1 dry), 0 m, intertidal, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá (7°44.42'N, 81°32.7'W), Leg.: R/V *Velero III*, 1 MAR 1938.

platyactis, *Amblychilepas* McLean & Kilburn, 1986: Nat. Hist. Mus. L.A. Co. Cont. Sci. 379:9-11.

PARATYPE: LACM 2108 (1 wet), Port Alfred, Cape Prov., South Africa, Leg.: E. Warren, JUL 1912.

punctifissa, *Diodora* McLean, 1970c: The Veliger 12(3):365, pl. 54, figs. 5-7.

HOLOTYPE: LACM 1311 (1 dry); **PARATYPES:** LACM 1312 (5 dry), 183-274 m, off Isla Wenman (= Wolf Id.), Islas Galápagos (1°23.1'N, 91°48.7'W), Leg.: R/V *Velero III*, 11 JAN 1934.

pusilla, *Diodora* Berry, 1959: Leaflets in Malac. 1(18):109.

PARATYPE: LACM 1721 (1 dry), 11-18 m, off Acapulco, Guerrero, México, Leg.: M.W.

Williams, 3-7 APR 1937.

roseola, Leurolepas McLean, 1970c: The Veliger 12(3):366-367, pl. 54, figs. 12-13.

HOLOTYPE: LACM 1315 (shell dry, animal wet), 24 m, Isla Magdalena, Islas Tres Marias, Nayarit, México (21°25.6'N, 106°21.1'W), Leg.: R/V *Velero III*, 9 MAY 1939.

rothi, Puncturella McLean, 1984a: The Veliger 26(3):234.

PARATYPE: LACM 1993 (1 dry), 283-521 m, Delgada Canyon, off Buck Creek, Humboldt Co., California (40°05'N, 124°08'W), Leg.: R/V *N.B. Scofield*, 6 OCT 1950.

verenae, Cornisepta McLean & Geiger, 1998: Nat. Hist. Mus. L.A. Co. Cont. Sci. 475:23-24, figs. 14A-F.

HOLOTYPE: LACM 2787 (wet), 1530 m, Axial Seamount, Juan de Fuca Ridge off Oregon, East Pacific (45°56.2'N, 130°04'W), Leg.: V. Tunnicliffe, R/V *Pisces*, 31 JUL 1996.

Superfamily LEPETODRILLOIDEA McLean, 1988

Family Lepetodrilidae McLean, 1988

corrugatus, Lepetodrilus McLean, 1992b: The Veliger 36(1):29-32, figs. 11-16.

HOLOTYPE: LACM 2256 (wet), 2420 m, Heinecken Hollow, Middle Valley, Juan de Fuca Ridge off Washington (48°25.8'N, 128°40.9'W), Leg.: R/V *Alvin*, 5 AUG 1990.

cristatus, Lepetodrilus McLean, 1988c: Phil. Trans. Roy. Soc., London, ser. B, 319(1192):15-16, figs. 57-60.

HOLOTYPE: LACM 2130 (dry), 2615 m, East Pacific Rise, East Pacific (20°50.0'N, 9°06.0'W), Leg.: R/V *Alvin*, 17 APR 1982; **PARATYPE:** LACM 2495 (1 wet), 2483 m, Galapagos Rift, East Pacific (0°47.1'N, 86°08.5'W), Leg.: R/V *Alvin*, 13 FEB 1979; **PARATYPES:** LACM 2496 (1 dry; 2 wet), 2482 m, Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 6 DEC 1979; **PARATYPE:** LACM 2497 (1 wet), 2490 m, Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 8 DEC 1979; **PARATYPES:** LACM 2498 (8 dry, 5 wet), 2615 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 17 APR 1982; **PARATYPE:** LACM 2499 (1 wet), 2617 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 19 APR 1982; **PARATYPE:** LACM 2500 (1 wet), 2633 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 20 APR 1982; **PARATYPE:** LACM 2501 (1 wet), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 4 MAY 1982; **PARATYPES:** LACM 2502 (2 wet), 2614 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 6 MAY 1982; **PARATYPES:** LACM 2503 (5 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 7 MAY 1982; **PARATYPES:** LACM 2504 (10 wet), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 9 MAY 1982; **PARATYPES:** LACM 2505 (14 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 10 MAY 1982.

elevatus, Lepetodrilus McLean, 1988c: Phil. Trans. Roy. Soc., London, ser. B, 319(1192):11-13, figs. 36-42.

HOLOTYPE: LACM 2127 (shell dry, animal wet), 2633 m, East Pacific Rise, East Pacific, (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 20 APR 1982; **PARATYPE:** LACM 2529 (1 wet), 2622 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 2 NOV 1979; **PARATYPES:** LACM 2530 (5 wet), 2493 m, Galapagos Rift, East Pacific (0°47.6'N, 86°06.4'W), Leg.: R/V *Alvin*, 21 JAN 1979; **PARATYPES:** LACM 2531 (5397 wet), 2615 m,

East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 17 APR 1982; **PARATYPES**: LACM 2532 (7 wet), 2617 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 19 APR 1982; **PARATYPES**: LACM 2533 (333 dry, 13611 wet), 2633 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 20 APR 1982; **PARATYPES**: LACM 2534 (29 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 21 APR 1982; **PARATYPES**: LACM 2535 (20 wet), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 24 APR 1982; **PARATYPES**: LACM 2536 (2570 wet), 2612 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 25 APR 1982; **PARATYPES**: LACM 2537 (2 dry), 2617 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 26 APR 1982; **PARATYPES**: LACM 2538 (4027 wet), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 4 MAY 1982; **PARATYPES**: LACM 2539 (446 wet), 2614 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 6 MAY 1982; **PARATYPES**: LACM 2540 (2393 wet); 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 7 MAY 1982; **PARATYPES**: LACM 2541 (19740 wet), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 9 MAY 1982; **PARATYPES**: LACM 2542 (751 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 10 MAY 1982; **PARATYPES**: LACM 2543 (4 wet), 2615 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 14 MAY 1982.

emarginatus, *Gorgoleptis* McLean, 1988c: Phil. Trans. Roy. Soc., London, ser. B, 319(1192): 22-23, figs. 84-88, 91.

HOLOTYPE: LACM 2133 (dry), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 9 MAY 1982; **PARATYPES**: LACM 2477 (3 dry), 2615 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 17 APR 1982; **PARATYPE**: LACM 2478 (1 dry), 2612 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 25 APR 1982; **PARATYPES**: LACM 2479 (14 dry), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 4 MAY 1982; **PARATYPES**: LACM 2480 (2 wet), 2614 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 6 MAY 1982; **PARATYPES**: LACM 2481 (3 wet [1 w/o shell], 1 dry), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 9 MAY 1982; **PARATYPE**: LACM 2482 (1 dry), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 10 MAY 1982.

Remarks: Radula of paratype LACM 2479 mounted on glass slide.

fucensis, *Lepetodrilus* McLean, 1988c: Phil. Trans. Roy. Soc., London, ser. B, 19(1192):18-19, figs. 75-77, 79-81.

HOLOTYPE: LACM 2132 (shell dry, animal wet), 2208 m, unnamed vent field, Endeavor Segment, Juan de Fuca Ridge, off Washington, East Pacific (47°57.0'N, 129°04.0'W), Leg.: R/V *Alvin*, 25 JUL 1984; **PARATYPES**: LACM 2506 (595 wet), 2380 m, southern Juan de Fuca Ridge off Oregon, East Pacific (45°13.0'N, 130°09.0'W), Leg.: R/V *Alvin*, 15 JUL 1984; **PARATYPES**: LACM 2507 (378 wet, 3 dry), 2208 m, Endeavor Segment, Juan de Fuca Ridge off Washington, East Pacific (47°57.0'N, 129°04.0'W), Leg.: R/V *Alvin*, 25 JUL 1984; **PARATYPES**: LACM 2508 (22 wet), 1599 m, Axial Seamount, mid Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces IV*, 10 AUG 1983; **PARATYPES**: LACM 2509 (1 dry, 9 wet), 1587 m, Axial Seamount, mid Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces IV*, 12 AUG 1983; **PARATYPES**: LACM 2510 (2 wet), 1592 m, Axial Seamount, mid Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces IV*, 17 AUG 1983; **PARATYPES**: LACM 2511 (23 wet), 2199 m, Endeavor Segment, Juan de Fuca Ridge off Washington, East Pacific (47°57.0'N, 129°06.0'W), Leg.: R/V *Alvin*, 06 SEP 1984; **PARATYPES**: LACM 2512 (1 dry, 11 wet), 1818 m, Magic Mountain, Explorer Ridge, off

Vancouver Id., Juan de Fuca Ridge, East Pacific (49°45.6'N, 130°16.1'W), Leg.: R/V *Pisces IV*, 1 JUL 1984; **PARATYPES**: LACM 2513 (12 wet), 1808 m, Magic Mountain, Explorer Ridge, off Vancouver Id., Juan de Fuca Ridge, East Pacific (49°45.6'N, 130°16.1'W), Leg.: R/V *Pisces IV*, 2 JUL 1984; **PARATYPES**: LACM 2514 (13 wet), 1812 m, Upper Magic Mountain, Explorer Ridge, off Vancouver Id., Juan de Fuca Ridge, East Pacific (49°45.5'N, 130°16.1'W) Leg.: R/V *Pisces IV*, 4 JUL 1984

galriftensis, *Lepetodrilus elevatus* McLean, 1988c: Phil. Trans. Roy. Soc., London, ser. B, 319(1192):13-14, figs. 45-48.

HOLOTYPE: LACM 2128 (shell dry, animal wet), 2451 m, Rose Garden rift field, Galapagos Rift, East Pacific (0°48.0'N, 86°13.0'W), Leg.: R/V *Alvin*, 7 DEC 1979; **PARATYPES**: LACM 2515 (2 wet), 2495 m, Galapagos Rift, East Pacific (0°48.2'N, 86°04.1'W), Leg.: R/V *Alvin*, 20, JAN 1979; **PARATYPE**: LACM 2516 (1 wet), 2493 m, Galapagos Rift, East Pacific (0°47.0'N, 86°08.0'W), Leg.: R/V *Alvin*, 24 JAN 1979; **PARATYPES**: LACM 2517 (185 wet, 1 dry), 2482 m, Galapagos Rift, East Pacific (0°48.1'N, 86°07.0'W), Leg.: R/V *Alvin*, 25 JAN 1979; **PARATYPES**: LACM 2518 (6 wet), 2488 m, Galapagos Rift, East Pacific (0°48.5'N, 86°09.1'W), Leg.: R/V *Alvin*, 12 FEB 1979; **PARATYPES**: LACM 2519 (7 wet), 2483 m, Galapagos Rift, East Pacific (0°47.1'N, 86°08.5'W), Leg.: R/V *Alvin*, 13 FEB 1979; **PARATYPES**: LACM 2520 (4 wet), 2447 m, Galapagos Rift, East Pacific (0°48.9'N, 86°13.3'W), Leg.: R/V *Alvin*, 15 FEB 1979; **PARATYPES**: LACM 2521 (3 wet), 2457 m, Galapagos Rift, East Pacific (0°48.2'N, 86°14.9'W), Leg.: R/V *Alvin*, 19 FEB 1979; **PARATYPES**: LACM 2522 (2 wet), 2460 m, Galapagos Rift, East Pacific (0°48.2'N, 86°13.6'W), Leg.: R/V *Alvin*, 21 FEB 1979; **PARATYPES**: LACM 2523 (2 wet), 2457 m, Galapagos Rift, East Pacific (0°48.0'N, 86°13.0'W), Leg.: R/V *Alvin*, 30 NOV 1979; **PARATYPES**: LACM 2524 (7 wet), 2451 m, Galapagos Rift, East Pacific (0°48.0'N, 86°13.0'W), Leg.: R/V *Alvin*, 1 DEC 1979; **PARATYPES**: LACM 2525 (13 wet), 2482 m, Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 6 DEC 1979; **PARATYPES**: LACM 2526 (15 wet), 2451 m, Galapagos Rift, East Pacific (0°48.0'N, 86°13.0'W), Leg.: R/V *Alvin*, 7 DEC 1979; **PARATYPES**: LACM 2527 (8 wet), 2490 m, Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 8 DEC 1979; **PARATYPES**: LACM 2528 (112 wet), 2518 m, Galapagos Rift, East Pacific (0°47.0'N, 86°08.0'W), Leg.: R/V *Alvin*, 10 DEC 1979.

gordensis, *Lepetodrilus* Johnson, Young, Jones, Warén, & Vrijenhoek, 2006: Biol. Bull. 210: 151-157, figs. 3-5.

PARATYPES: LACM 1974 (5 wet), 2716 m, Gorda Ridge, East Pacific (42°45'N, 126°42'W), Leg.: R/V *Tiburon*.

guaymasensis, *Lepetodrilus* McLean, 1988c: Phil. Trans. Roy. Soc., London, ser. B, 319(1192): 16-18, figs. 66-68,70-72.

HOLOTYPE: LACM 2131 (shell dry, animal wet), **PARATYPES**: LACM 2493 (3 dry, 2 wet) 2019 m, southern trough of Guaymas Basin, Golfo de California, Baja California Sur, Mexico (27°01.0'N, 111°25.0'W), Leg.: R/V *Alvin*, 12 JAN 1982; **PARATYPE**: LACM 2494 (1 wet), 2014 m, southern trough of Guaymas Basin, Golfo de California, Baja California Sur, Mexico (27°02.0'N, 111°24.0'W), Leg.: R/V *Alvin*, 20 JAN 1982.

ovalis, *Lepetodrilus* McLean, 1988c: Phil. Trans. Roy. Soc., London, ser. B, 319(1192):14-15, figs. 51-55.

HOLOTYPE: LACM 2129 (shell dry, animal wet), 2633 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 20 APR 1982; **PARATYPES**: LACM 2483 (2 wet), 2615 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 17 APR 1982; **PARATYPES**: LACM 2484 (96 wet, 46 dry), 2633 m, East Pacific Rise, East Pacific

(20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 20 APR 1982; **PARATYPES**: LACM 2485 (7 wet), 2626 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.6'W), Leg.: R/V *Alvin*, 21 APR 1982; **PARATYPES**: LACM 2486 (5 wet), 2618 m, East Pacific Rise, East Pacific (20°59.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 24 APR 1982; **PARATYPES**: LACM 2487 (5 dry; 52 wet), 2612 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 25 APR 1982; **PARATYPES**: LACM 2488 (73 wet), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 4 MAY 1982; **PARATYPES**: LACM 2489 (3 wet), 2614 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 6 MAY 1982; **PARATYPES**: LACM 2490 (31 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 7 MAY 1982; **PARATYPES**: LACM 2491 (29 wet), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 9 MAY 1982; **PARATYPES**: LACM 2492 (16 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 10 MAY 1982.

patulus, *Gorgolettis* McLean, 1988c: Phil. Trans. Roy. Soc., London, ser. B, 319(1192):24-25, figs. 98-102.

HOLOTYPE: LACM 2134 (dry), 2482 m, Mussel Bed vent field, Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 6 DEC 1979; **PARATYPE**: LACM 2476 (1 wet), 2490 m, Mussel Bed vent field, Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 8 DEC 1979.

pustulosus, *Lepetodrilus* McLean, 1988c: Phil. Trans. Roy. Soc., London, ser. B, 319(1192): 8-11, figs. 25-30.

HOLOTYPE: LACM 2126 (dry), 2493 m, Mussel Bed vent field, Galapagos Rift, East Pacific (0°47.6'N, 86°06.4'W), Leg.: R/V *Alvin*, 21 JAN 1979; **PARATYPE**: LACM 2544 (1 wet), 2496 m, Galapagos Rift, East Pacific (0°47.3'N, 86°07.8'W), Leg.: R/V *Alvin*, 16 MAR 1977; **PARATYPES**: LACM 2545 (209 wet), 2493 m, Galapagos Rift, East Pacific (0°47.6'N, 86°06.4'W), Leg.: R/V *Alvin*, 21 JAN 1979; **PARATYPES**: LACM 2546 (71 wet), 2482 m, Galapagos Rift, East Pacific (0°48.1'N, 86°07.0'W), Leg.: R/V *Alvin*, 25 JAN 1979; **PARATYPES**: LACM 2547 (28 wet), 2488 m, Galapagos Rift, East Pacific (0°48.5'N, 86°09.1'W), Leg.: R/V *Alvin*, 12 FEB 1979; **PARATYPES**: LACM 2548 (64 wet), 2483 m, Galapagos Rift, East Pacific (0°47.1'N, 86°08.5'W), Leg.: R/V *Alvin*, 13 FEB 1979; **PARATYPES**: LACM 2549 (67 wet), 2447 m, Galapagos Rift, East Pacific (0°48.9'N, 86°13.3'W), Leg.: R/V *Alvin*, 15 FEB 1979; **PARATYPES**: LACM 2550 (4 wet), 2488 m, Galapagos Rift, East Pacific (0°48.3'N, 86°13.4'W), Leg.: R/V *Alvin*, 16 FEB 1979; **PARATYPE**: LACM 2551 (1 wet), 2454 m, Galapagos Rift, East Pacific (0°48.3'N, 86°13.8'W), Leg.: R/V *Alvin*, 17 FEB 1979; **PARATYPES**: LACM 2552 (2 wet), 2457 m, Galapagos Rift, East Pacific (0°48.2'N, 86°14.9'W), Leg.: R/V *Alvin*, 19 FEB 1979; **PARATYPES**: LACM 2553 (7 wet), 2460 m, Galapagos Rift, East Pacific (0°48.2'N, 86°13.6'W), Leg.: R/V *Alvin*, 21 FEB 1979; **PARATYPES**: LACM 2554 (9 wet), 2457 m, Galapagos Rift, East Pacific (0°48.0'N, 86°13.0'W), Leg.: R/V *Alvin*, 30 NOV 1979; **PARATYPES**: LACM 2555 (97 wet), 2451 m, Galapagos Rift, East Pacific (0°48.0'N, 86°13.0'W), Leg.: R/V *Alvin*, 1 DEC 1979; **PARATYPES**: LACM 2556 (19 wet), 2482 m, Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 6 DEC 1979; **PARATYPES**: LACM 2557 (46 wet), 2451 m, Galapagos Rift, East Pacific (0°48.0'N, 86°13.0'W), Leg.: R/V *Alvin*, 7 DEC 1979; **PARATYPES**: LACM 2558 (68 wet), 2490 m, Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 8 DEC 1979; **PARATYPES**: LACM 2559 (12 wet), 2518 m, Galapagos Rift, East Pacific (0°47.0'N, 86°08.0'W), Leg.: R/V *Alvin*, 10 DEC 1979; **PARATYPES**: LACM 2560 (199 wet), 2615 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 17 APR 1982; **PARATYPES**: LACM 2561 (1183 wet), 2633 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 20 APR 1982; **PARATYPES**: LACM 2562 (3 wet); 2616 m, East Pacific Rise, East Pacific (20°50.0'N,

109°06.0'W), Leg.: R/V *Alvin*, 21 APR 1982; **PARATYPES**: LACM 2563 (177 wet), 2612 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 25 APR 1982; **PARATYPES**: LACM 2564 (108 wet), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 4 MAY 1982; **PARATYPES**: LACM 2565 (27 wet), 2614 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 6 MAY 1982; **PARATYPES**: LACM 2566 (10 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 7 MAY 1982; **PARATYPES**: LACM 2567 (145 wet), 2618 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 9 MAY 1982; **PARATYPES**: LACM 2568 (50 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 10 MAY 1982.

tevnianus, *Lepetodrilus* McLean, 1993 : The Veliger 36(1):28-29, figs. 1-10.

HOLOTYPE: LACM 2254 (wet); **PARATYPES**: LACM 2255 (2 wet), 2536 m, East Pacific Rise, East Pacific (10°56.3'N, 103°41.4'W), Leg.: R/V *Alvin*, 8 MAR 1988.

Family Clypeosectidae McLean, 1989

curvus, *Clypeosectus* McLean, 1989b: Nat. Hist. Mus. L.A. Co. Cont. Sci. 407:21-22, figs. 10G-H, 11F.

PARATYPE: LACM 2363 (1 dry), 2213 m, Axial Seamount, Endeavor Segment, Juan de Fuca Ridge off Washington, East Pacific (47°57.0'N, 129°06.0'W), Leg.: R/V *Alvin*, 3 SEP 1984; **PARATYPES**: LACM 2364 (4 dry), 1575 m, hydrothermal-vent community of Axial Seamount, Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces IV*, 31 JUL 1986; **PARATYPE**: LACM 2365 (1 wet), 1575 m, hydrothermal-vent community of Axial Seamount, Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces*, 3 AUG 1986.

delectus, *Clypeosectus* McLean, 1989b: Nat. Hist. Mus. L.A. Co. Cont. Sci., 407:18-21, figs. 7F-H, 8E-H, 11B.

PARATYPES: LACM 2356 (2 wet), 2493 m, hydrothermal vents of Galapagos Rift, East Pacific (0°47.6'N, 86°06.4'W), Leg.: R/V *Alvin*, 21 JAN 1979; **PARATYPES**: LACM 2357 (2 wet), 2482 m, hydrothermal vents of Galapagos Rift, East Pacific (0°47.9'N, 86°09.3'W), Leg.: R/V *Alvin*, 20 FEB 1979; **PARATYPES**: LACM 2358 (1 wet), 2451 m, hydrothermal vents of Galapagos Rift, East Pacific (0°48.0'N, 86°13.0'W), Leg.: R/V *Alvin*, 1 DEC 1979; **PARATYPE**: LACM 2359 (1 wet), 2482 m, hydrothermal vents of Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 6 DEC 1979; **PARATYPE**: LACM 2360 (1 wet), 2490 m, hydrothermal vents of Galapagos Rift, East Pacific (0°48.0'N, 86°09.0'W), Leg.: R/V *Alvin*, 8 DEC 1979; **PARATYPES**: LACM 2361 (3 wet), 2618 m, hydrothermal vents of East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 4 MAY 1982; **PARATYPES**: LACM 2362 (6 wet), 2616 m, hydrothermal vents of East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 10 MAY 1982.

marianae, *Pseudorimula* McLean, 1989b: Nat. Hist. Mus. L.A. Co. Cont. Sci. 407:24-25, figs. 12F-H.

PARATYPES: LACM 2366 (2 dry), 3660 m, Snail Pit vents Mariana Back-Arc Basin, West Pacific (18°10.95'N, 144°43.2'E), Leg.: R/V *Alvin*, 27 APR 1987; **PARATYPE**: LACM 2367 (1 wet), 3640 m, Snail Pit vents, Mariana Back-Arc Basin, West Pacific (18°12.6'N, 144°42.4'E), Leg.: R/V *Alvin*, 4 MAY 1987.

midatlantica, *Pseudorimula* McLean, 1992a: The Nautilus 106(3):115-118.

PARATYPES: LACM 2424 (2 wet), 3478 m, Snake Pit hydrothermal field, Mid-Atlantic Ridge

(23°22'N, 47°57'W), Leg.: R/V *Nautila*, 28 JUN 1988.

Superfamily NEOMPHALOIDEA McLean, 1981

Family Neomphalidae McLean, 1981

exquisitus, *Lacunoides* Warén & Bouchet, 1989: Zool. Scripta 18(1):72-74.

PARATYPES: LACM 2282 (10 dry), 2482 m, Galapagos Rift Zone, East Pacific (0°48.1'N, 86°07'W), Leg.: R/V *Alvin*, 25 JAN 1979.

fretterae, *Neomphalus* McLean, 1981: Malacologia 21(1-2):294-309, figs. 1, 4, 6-9.

PARATYPES: LACM 1966 (7 dry, 10 wet), 2478-2490 m, Oyster Bed, Galapagos Rift, East Pacific (0°47.2'N, 86°07.7'W), Leg.: R/V *Alvin*, 27 FEB 1977; **PARATYPES:** LACM 2574 (8 dry, 7 wet), 2493 m, Oyster Bed, Galapagos Rift, East Pacific (0°47.2'N, 86°07.7'W), Leg.: R/V *Alvin*, 09 MAR 1977; **PARATYPES:** LACM 2575 (10 dry, 7 wet), 2496 m, Garden of Eden, Galapagos Rift, East Pacific (0°47.3'N, 86°07.8'W), Leg.: R/V *Alvin*, 16 MAR 1977

Remarks: Radula of paratype LACM 2575 mounted on glass slide.

laevis, *Pachydermia* Warén & Bouchet, 1989: Zool. Scripta 18(1):76-80.

PARATYPES: LACM 2283 (3 dry), 2635 m, East Pacific Rise, East Pacific (12°48.6'N, 103°56.7'W), Leg.: BIOCYARISE 1984, 23 MAR 1984.

naticoides, *Cyathermia* Warén & Bouchet, 1989: Zool. Scripta 18(1):70-72.

PARATYPES: LACM 2281 (54 wet), 2635 m, East Pacific Rise, East Pacific (12°48.6'N, 103°56.7'W), Leg.: BIOCYARISE, 1984.

regularis, *Symmetromphalus* McLean, 1990a: The Nautilus 104(3):79-81, figs. 1-6.

HOLOTYPE: LACM 2432 (shell dry, animal wet); **PARATYPES:** LACM 2433 (3 dry, 11 wet, 1 gold coated), 3640 m, Alice Springs vents, Mariana Back-Arc Basin, Northern Mariana Ids. (18°12.6'N, 144°42.4'E), Leg.: R/V *Alvin*, 4 MAY 1987.

Family Peltospiridae McLean, 1989

concentrica, *Rhynchopelta* McLean, 1989a: Zool. Scripta 18(1):58, figs. 32-34.

HOLOTYPE: LACM 2318 (dry); **PARATYPES:** LACM 2319 (1 dry, 148 wet), 2633 m, East Pacific Rise, East Pacific (20°50.0'N, 105°06.0'W), Leg.: R/V *Alvin*, 20 APR 1982;

PARATYPES: LACM 2320 (3 dry, 25 wet), 2635 m, East Pacific Rise, East Pacific (12°48.6'N, 103°56.7'W), Leg.: R/V *Cyana*, 24 MAR 1984.

delicata, *Peltospira* McLean, 1989a: Zool. Scripta 18(1):53.

PARATYPES: LACM 2312 (2 dry, 5 wet), 2635 m, East Pacific Rise, East Pacific (12°48.6'N, 103°56.7'W), Leg.: R/V *Cyana*, 15 MAR 1984

fistulosa, *Echinopelta* McLean, 1989a: Zool. Scripta 18(1):60, figs. 41-43.

HOLOTYPE: LACM 2321 (shell dry, animal wet); **PARATYPES:** LACM 2322 (2 dry, 4 wet, 1 gold coated), 2615 m, East Pacific Rise, East Pacific (20°50.0'N, 105°06.0'W), Leg.: R/V *Alvin*, 6 NOV 1979; **PARATYPES:** LACM 2323 (2 dry, 6 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 105°06.0'W), Leg.: R/V *Alvin*, 7 MAY 1982; **PARATYPES:** LACM 2324 (1 wet, 1 gold coated), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 105°06.0'W), Leg.: R/V *Alvin*, 10 MAY 1982.

globulus, *Depressigyra* Warén & Bouchet, 1989: Zool. Scripta 18(1):80-81.

PARATYPES: LACM 2284 (10 dry), 2208 m, Endeavour Segment, Juan de Fuca Ridge off Washington, East Pacific (45°57'N, 129°04'W), Leg.: R/V *Alvin*, 25 JUL 1984.

heminoda, *Nodopelta* McLean, 1989a: Zool. Scripta, 18(1):53-56 figs. 17-19.

HOLOTYPE: LACM 2313 (shell dry, animal wet); **PARATYPES:** LACM 2314 (6 dry, 5 wet), 2622 m, East Pacific Rise, East Pacific (20°50.0'N, 105°06.0'W), Leg.: R/V *Alvin*, 2 NOV 1979; **PARATYPES:** LACM 2315 (1 dry, 19 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 105°06.0'W), Leg.: R/V *Alvin*, 7 MAY 1982; **PARATYPES:** LACM 2316 (2 wet), 2635 m, East Pacific Rise, East Pacific (12°48.6'N, 103°56.7'W), Leg.: R/V *Cyana*, 15 MAR 1984.

Remarks: Radula of paratype LACM 2315 mounted on glass slide.

humata, *Lirapex* Warén & Bouchet, 1989: Zool. Scripta 18(1):84-85.

PARATYPES: LACM 2287 (2 dry), 2616 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 11 MAY 1982.

operculata, *Peltospira* McLean, 1989a: Zool. Scripta 18(1):51-53, figs. 1-3.

HOLOTYPE: LACM 2307 (dry); **PARATYPES:** LACM 2308 (2 dry), 2617 m, East Pacific Rise, East Pacific (20°50.0'N, 109°06.0'W), Leg.: R/V *Alvin*, 19 APR 1982; **PARATYPES:** LACM 2309 (10 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 105°06.0'W), Leg.: R/V *Alvin*, 7 MAY 1982; **PARATYPES:** LACM 2310 (37 wet), 2616 m, East Pacific Rise, East Pacific (20°50.0'N, 105°06.0'W), Leg.: R/V *Alvin*, 10 MAY 1982; **PARATYPES:** LACM 2311 (4 wet), 2630-2635 m, East Pacific Rise, East Pacific (12°48.6'N, 103°56.7'W), Leg.: R/V *Cyana*, 12 MAR 1982.

planispira, *Depressigyra* Warén & Bouchet, 1989: Zool. Scripta 18(1):81-82.

PARATYPES: LACM 2285 (4 wet), 2633 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 20 APR 1982.

reticulata, *Solutigyra* Warén & Bouchet, 1989: Zool. Scripta 18(1):82-84.

PARATYPES: LACM 2286 (3 dry), 2617 m, East Pacific Rise, East Pacific (20°50'N, 109°06'W), Leg.: R/V *Alvin*, 26 APR 1982.

subnoda, *Nodopelta* McLean, 1989a: Zool. Scripta 18(1):56.

PARATYPES: LACM 2317 (5 dry, 15 wet), 2635 m, East Pacific Rise, East Pacific (12°48.6'N, 103°56.7'W), Leg.: R/V *Cyana*, 15 MAR 1984.

Superfamily LEPETELLOIDEA Dall, 1882

Family Pseudococculinidae Hickman, 1983

askewi, *Kaiparapelta* McLean & Harasewych, 1995: Nat. Hist. Mus. L.A. Co. Cont. Sci. 453:28-29.

PARATYPE: LACM 2740 (1 dry), 194 m, 165 km E of Charleston, Charleston County, South Carolina (32°43.68'N, 78°05.72'W), Leg.: T.M. Askew & M.G. Harasewych, R/V *Clelia*, 6 JUL 1993.

careyi, *Yaquinabyssia* McLean, 1988a: Zool. Scripta 17(2):159-160, figs. 12-14.

HOLOTYPE: LACM 2069 (shell dry, animal wet); **PARATYPES:** LACM 2070 (2 dry, 1 wet), 2774 m, 171 km W of Cape Foulweather, Cascadia Abyssal Plain off Oregon, East Pacific

(44°53.7'N, 126°33.4'W), Leg.: Oregon State Univ., R/V *Yaquina*, 19 JAN 1970.

georgiana, *Tentaoculus* Dall, 1927: Proc. U.S. Nat. Mus. 70:121.

PARALECTOTYPES: LACM 2739 (2 dry), designated by McLean & Harasewych (1995:28), Nat. Hist. Mus. L.A. Co. Cont. Sci. 453. 805 m, off Georgia, Leg.: U.S. Fish Commission.

gordensis, *Amphiplica* (*Gordabyssia*) McLean, 1991: The Veliger 34(1):44-46, figs. 25-26.

HOLOTYPE: LACM 2440 (shell dry, animal wet); **PARATYPES**: LACM 2441 (1 dry, 36 wet, 1 gold coated), 3305 m, Escanaba Trough, Gorda Ridge off California, East Pacific (41°00.4'N, 127°29.3'W), Leg.: R/V *Alvin*, 5 JUN 1988.

gracilis, *Notocrater* Marshall, 1985b: New Zealand Jour. of Zool. 12(4):528-530.

PARATYPES: LACM 2773 (3 dry), 55-73 m, off Hicks Bay, East Coast, North Id., New Zealand, Leg.: A.S. Voss & K. Hipkins.

gregaria, *Pseudococculina* Marshall, 1985b: New Zealand Jour. Zool. 12(4):522-524.

PARATYPES: LACM 2768 (3 wet), 800-810 m, Chatham Rise, SE of Cape Pelliser, Wellington, North Id., New Zealand (42°43.9'S, 176°08'E), Leg.: R/V *Kaltan*, 28 SEP 1982.

haptricola, *Tentaoculus* Marshall, 1985b: New Zealand Jour. Zool. 12(4):534-535.

PARATYPES: LACM 2770 (3 wet), 1070-1198 m, off Castlepoint, Wellington, North Id., New Zealand (41°11.0'S, 176°40.0'E), Leg.: R/V *James Cook*, 4 APR 1984.

houbricki, *Notocrater* McLean & Harasewych, 1995: Nat. Hist. Mus. L.A. Co. Cont. Sci. 453:24-26.

PARATYPE: LACM 2737 (1 dry), 412 m, S of Settlement Pt., Grand Bahama Id., Bahamas (26°37.52'N, 78°58.93'W), Leg.: C. Messing, R/V *Johnson-Sea-Link II*, 18 MAY 1992.

plutonica, *Amphiplica* Leal & Harasewych, 1999: Invert. Biol. 118(2):131-133.

PARATYPES: LACM 2808 (5 wet), 6646-6600 m, Cayman Trench, SE of Grand Cayman, Cayman Ids. (19°38'N, 76°18.1'W), Leg.: R/V *Gillis*, 21 JUL 1975.

ponderi, *Notocrater* Marshall, 1985b: New Zealand Jour. Zool. 12(4):530.

PARATYPES: LACM 2769 (3 wet), 384 m, E of Brush Id., New South Wales, Australia (35°33'S, 150°44'E), Leg.: R/V *Kapala*, 30 NOV 1976.

similaris, *Copulabyssia* Hasegawa, 1997: Nat. Sci. Mus. Tokyo, Memoirs 12:86-89.

PARATYPES: LACM 2839 (3 dry shells, animals wet), 430-710 m, off Toi, Suruga-wan, Shizuoka Pref., Honshu, Japan (34°56.7'N, 138°42.3'E), Leg.: R/V *Soro-Maru*, 31 NOV 1993.

tibbettsi, *Punctabyssia* McLean, 1991: The Veliger 34(1):39, figs. 1-5.

HOLOTYPE: LACM 2434 (shell dry, animal wet); **PARATYPES**: LACM 2435 (1 dry, 4 wet, 2 gold coated), 2700 m, along axis of East Pacific Rise, East Pacific (11°51'N, 103°50'W), Leg.: R/V *Alvin*, 22 MAR 1988.

venezuelensis, *Amphiplica* (*Amphiplica*) McLean, 1988a: Zool. Scripta 17(2):155-157, figs. 2-5.

PARATYPES: LACM 2265 (12 dry; 3 wet), 5057 m, Venezuela Basin, due N of Caracas, Federal District, Venezuela (14°20'N, 67°00'W), Leg.: R/V *Bartlett*, 30 NOV 1981;

PARATYPES: LACM 2266 (1 dry, 5 wet), 3476-3518 m, Venezuela Basin, due N of Caracas, Federal District, Venezuela (13°30'N, 64°45'W), Leg.: R/V *Bartlett*, 27 NOV 1981.

youngi, *Notocrater* McLean & Harasewych, 1995: Nat. Hist. Mus. L.A. Co. Cont. Sci. 453:

26-27.

PARATYPES: LACM 2738 (3 dry), 518 m, Off Southwest Reef, New Providence Id., Bahamas (24°54.04'N, 77°33.23'W), Leg.: M. Rice, R/V *Johnson-Sea-Link I*, 10 MAY 1993.

Family Lepetellidae Dall, 1882

hickmanae, *Choristella* McLean, 1982: The Veliger 35(4):285-286, figs. 39-40.

HOLOTYPE: LACM 2249 (dry); **PARATYPE:** LACM 2250 (1 dry), 2176 m, 172 km W of Strait of Juan de Fuca, Cascadia Abyssal Plain off Washington, East Pacific (43°38.1'N, 126°58'W), Leg.: Oregon State University, 11 SEP 1971.

Remarks: Originally two paratypes, one sectioned, shell destroyed, remaining paratype badly damaged. Sectioned animal in 70% ETOH.

marshalli, *Choristella* McLean, 1992b: The Veliger 35(4):278-281.

PARATYPE: LACM 2247 (1 dry), 1097-1116 m, SE of Banks Peninsula, Canterbury, South Id., New Zealand (44°55.4'S, 174°04.9'E), Leg.: R/V *James Cook*, 15 JUN 1984.

nofronii, *Choristella* McLean, 1992b: The Veliger 35(4):281-282.

PARATYPES: LACM 2248 (2 dry), 50-100 m, Alboran Sea, westernmost Mediterranean, SE of Cabo de Gata, Almeria Prov., Spain (ca. 36°00'N, 1°30'W).

ponderi, *Choristella* McLean, 1992b: The Veliger 35(4):282-285.

PARATYPE: LACM 2630 (1 dry), 494-585 m, off Shoalhaven Heads, New South Wales, Australia (35°56'S, 151°09.5'E), Leg.: R/V *Kapala*, 10 SEP 1986

Family Addisoniidae Dall, 1882

brophyi, *Addisonia* McLean, 1985b: The Veliger 28(1):105-106, fig. 6.

HOLOTYPE: LACM 2082 (dry); **PARATYPES:** LACM 2083 (7 wet), 155-165 m, off Gaviota, Santa Barbara Co., California (34°12'N, 120°12'W), Leg.: P. Brophy, 28 AUG 1968;

PARATYPES: LACM 2084 (3 dry), 155-165 m, off Gaviota, Santa Barbara Co., California (34°12'N, 120°12'W), Leg.: P. Brophy, 17 JUL 1968.

Family Bathyphytophilidae Moskalev, 1978

diegensis, *Bathyphytophilus* Haszprunar & McLean, 1996: Zool. Scripta 25(1):38, figs. 1-7.

HOLOTYPE: LACM 2398 (dry); **PARATYPES:** LACM 2399 (3 wet), 1224 m, San Diego Trough at base of Coronado Canyon, off Tijuana, Baja California, México (32°18.2'N, 117°29.8'W), Leg.: P.A. Jumars, 6 DEC 1971.

Family Caymanabyssidae Moskalev, 1978

fosteri, *Caymanabyssia* (*Dictyabyssia*) McLean, 1991: The Veliger 34(1):41, figs. 9-11.

HOLOTYPE: LACM 2436 (shell dry, animal wet); **PARATYPES:** LACM 2437 (1 dry, 8 wet, 1 gold coated), 2700 m, along axis of East Pacific Rise, East Pacific (11°51'N, 103°50'W), Leg.: R/V *Alvin*, 22 MAR 1988.

hestica, *Colotrachelus* Marshall, 1985b. New Zealand Jour. Zool. 12(4):540.

PARATYPE: LACM 2772 (1 dry), 1174-1208 m, off Castlepoint, Wellington, North Island, New Zealand (41°9.9'S, 176°26.5'E), Leg.: R/V *James Cook*, 4 APR 1984.

sinespina, *Caymanabyssia* Marshall, 1985b: New Zealand Jour. Zool. 12(4):539-540.

PARATYPE: LACM 2771 (1 dry), 833-891 m, off Jackson Bay, Westland, South Id., New Zealand (43°26.8'S, 168°54.2'E), Leg.: R/V *James Cook*, 15 DEC 1983.

vandoverae, *Caymanabyssia* (*Caymanabyssia*) McLean, 1991: The Veliger 34(1):41-44, figs. 17-18.

HOLOTYPE: LACM 2438 (shell dry, animal wet); **PARATYPES:** LACM 2439 (1 dry, 2 wet, 1 gold coated), Escanaba Trough, Gorda Ridge off California, East Pacific (41°00.4'N, 127°29.3'W), Leg.: R/V *Alvin*, 4 JUN 1988.

Family Pyropeltidae McLean & Haszprunar, 1983

corymba, *Pyropelta* McLean & Haszprunar, 1987: The Veliger 30(2):200-202, figs. 10-11.

HOLOTYPE: LACM 2277 (shell dry, animal wet), 2022 m, southern trough of Guaymas Basin, Golfo de California, Baja California Sur, México (27°01.0'N, 111°25.0'W), Leg.: R/V *Alvin*, 19 JAN 1982.

musaica, *Pyropelta* McLean & Haszprunar, 1987: The Veliger 30(2):198-200, figs. 5-8.

HOLOTYPE: LACM 2275 (shell dry, animal wet); **PARATYPES:** LACM 2276 (3 dry, 37 wet), 1575 m, Not-so-miserable Vent, Axial Seamount, Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces IV*, 3 AUG 1986; **PARATYPES:** LACM 2569 (2 dry, 4 wet), 1575 m, Hammond's Hell Vent, Axial Seamount, Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces IV*, 19 JUL 1986; **PARATYPES:** LACM 2570 (9 wet), 1575 m, Southern Axial Vent, Axial Seamount, Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°06.5'W), Leg.: R/V *Pisces IV*, 29 JUL 1986; **PARATYPES:** LACM 2571 (2 dry; 7 wet), 1575 m, Anemone Ridge, Axial Seamount, Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces IV*, 30 JUL 1986; **PARATYPES:** LACM 2572 (8 wet), 1575 m, Eastern Axial, Axial Seamount, Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces IV*, 31 JUL 1986; **PARATYPE:** LACM 2573 (1 dry), 1575 m, Post Taylor's Vent, Axial Seamount, Juan de Fuca Ridge off Oregon, East Pacific (45°59.5'N, 130°03.5'W), Leg.: R/V *Pisces*, 1 AUG 1986.

wakefieldi, *Pyropelta* McLean, 1992c: Jour. Moll. Stud. 58:410-412, figs. 25-27.

HOLOTYPE: LACM 2462 (dry); **PARATYPES:** LACM 2463 (7 dry), 940 m, off Pt. Sur, Monterey Co., California (36°17.6'N, 122°12.2'W), Leg.: R/V *David Starr Jordan*, JAN-FEB 1987.

Family Osteopeltidae Marshall, 1987

mirabilis, *Osteopelta* Marshall, 1987: Jour. Moll. Stud. 53(2):122-126.

PARATYPES: LACM 2205 (2 wet), 880-882 m, NE of Chatham Id., New Zealand (42°56.2'S, 175°32.6'W), Leg.: D.A. Robertson; R/V *Otago Buccaneer*, 17 JUL 1985.

Family Trochidae Rafinesque, 1815

akuana, *Ethminolia* Raines, 2007: Visaya 2(1):71-72.

HOLOTYPE: LACM 3011 (dry); 50 m, off Tahai, Isla de Pascua (= Easter Id.) (27°8'24"S, 109°27'30"W), Leg.: B.K. Raines, NOV 2002; **PARATYPES:** LACM 3012 (6 dry); 50 m, off Orongo, Isla de Pascua (= Easter Id.) (27°11'58"S, 109°29'28"W), Leg.: B.K. Raines, NOV 2002.

aniesae, *Priotrochus* Moolenbeek & Dekker, 1992: Bull. Zool. Mus. Amsterdam 13(15): 71-72.

PARATYPE: LACM 2728 (1 wet), Umm Rasas (Rusays), E coast of Masirah Id., Oman, Leg.: R.G. Moolenbeek & H. Dekker, 21 NOV 1991

bairdii, *Turcricula* Dall, 1889: Bull. Mus. Comp. Zool. 18:377-378.

PARATYPES: LACM 1207 (5 dry), 757 m, off San Clemente Id., California Channel Ids., California, Leg.: R/V *Albatross*.

Remarks: Currently in the genus *Bathybembix*.

bergeroni, *Tegula* (*Agathistoma*) McLean, 1970a: Malac. Review 2:119, figs. 12-13.

HOLOTYPE: LACM 1379 (dry); **PARATYPE:** LACM 1380 (1 dry), Bahía Cabita, near Cabo Corrientes, Choco Dept., Colombia (5°29.3'N, 77°29.58'W), Leg.: R/V *Velero III*, 13 FEB 1934.

bermudensis, *Euchelus* Moolenbeek & Faber, 1989: Found. Sci. Res. in Surinam & Neth. Antilles 123:224.

PARATYPE: LACM 2469 (1 dry), Palm Cave, Bermuda, Leg.: T.M. Iliffe, 20 JAN 1982.

bernardi, *Calliostoma* McLean, 1984a: The Veliger 26(3):236-237, fig. 5.

HOLOTYPE: LACM 1996 (shell dry, animal wet), 241-271 m, off SE end of Santa Catalina Id., California Channel Ids., California (33°15.6'N, 118°13.42'W), Leg.: R/V *Velero III*, 5 JUL 1940.

Remarks: Currently in the genus *Otukaia*.

bicostata, *Lirularia* McLean, 1964: The Veliger 7(2):129-130.

PARATYPES: LACM 1134 (4 dry), 14 m, off the N side of Coronado del Medio, Islas los Coronados, Pacific Coast, Baja California, México, Leg.: J.H. McLean, 10 AUG 1963.

cookiana, *Thoristella chathamensis* Powell, 1934: Trans. Proc. Roy. Soc. New Zealand 64(2):154-155.

PARATYPE: LACM 1360 (1 dry), Island Bay, Wellington, North Id., New Zealand.

corteziana, *Tegula* (*Agathistoma*) McLean, 1970a: Malac. Review 2:119-120, figs. 14-15.

HOLOTYPE: LACM 1381 (dry); **PARATYPES:** LACM 1382 (67 dry), 0 m, intertidal, S side of Cabo Tepoca, Sonora, México (30°16'N, 112°30'W), Leg.: J.H. McLean, 26 MAR 1967.

delli, *Calliostoma* McLean & Andrade, 1982: Nat. Hist. Mus. L.A. Co. Cont. Sci. 342:7-8, figs. 14-15.

PARATYPES: LACM 1981 (26 dry, 3 wet), 400 m, Los Vilos, Coquimbo Prov., Chile (31°56'S, 71°54'W), Leg.: H. Andrade, R/V *Goden Wind*, 29 MAY 1977.

Remarks: Currently in the subgenus *Otukaia*.

dentatum, *Calliostoma* Quinn, 1992: The Nautilus 106(3):87.

PARATYPE: LACM 2293 (1 dry), 51 m, off Freeport, Brazoria Co., Texas (approx. 28°05'N, 94°35'W), Leg.: A. Knight, NW Gulf Survey, 17 DEC 1986.

discors, *Lirularia* McLean, 1984a: The Veliger 26(3):237, fig. 7.

HOLOTYPE: LACM 1997 (dry); **PARATYPES:** LACM 1998 (49 dry), 3-9 m, S side of Punta Banda, near the Blowhole, Pacific Coast Baja California, México (31°43.6'N, 116°43'W), Leg.: J.H. McLean, 12 AUG 1963.

eloiseae, *Umbonium* Dance, Moolenbeek, & Dekker, 1992: Jour. Conch. 34(4):231-235.
PARATYPES: LACM 2725 (3 dry), Sur Masirah, W coast of Masirah Id., Oman, Leg.: R.G. Moolenbeek & H. Dekker, 22 NOV 1991.

felipensis, *Tegula* (*Agathistoma*) McLean, 1970a: Malac. Review 2:121, figs. 16-17.
HOLOTYPE: LACM 1383 (dry); **PARATYPES:** LACM 1384 (15 dry), Punta San Felipe, Golfo de California, Baja California, México (31°02'N, 114°49'W), Leg.: J.H. McLean, APR 1961-DEC 1962.

galapagensis, *Mirachelus* McLean, 1970a: Malac. Review 2:118, figs. 9, 11.
HOLOTYPE: LACM 1377 (dry); **PARATYPE:** LACM 1378 (2 dry), 75-100 m, off Canal Bolivar, near Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°16'S, 91°22'W), Leg.: A. & J. DeRoy, 23 JAN 1968.

genecoani, *Halistylus* McLean, 1984a: The Veliger 26(3):237-238, fig. 10.
HOLOTYPE: LACM 1999 (dry); **PARATYPES:** LACM 2000 (30 dry), 21-24 m, cove at S side of Punta San Pablo, Pacific Coast Baja California Sur, Mexico (27°12.92'N, 114°27.5'W), Leg.: C.C. Swift & R. Huddleston, R/V *Searcher*, 24 OCT 1971.

gordanum, *Calliostoma* McLean, 1970d: The Veliger 12(4):422-423.
PARATYPE: LACM 1268 (1 dry), 128 m, Gorda Bank, Golfo de California, Baja California Sur, México (23°02'N, 109°31'W), Leg.: Templeton Crocker Exped., 1936.

guttarosea, *Euchelus* Dall, 1889: Bull. Mus. Comp. Zool. 18:382.
PARATYPE: LACM 1427 (1 dry), 212 m, Bahía Samana, Santo Domingo Prov., Dominican Republic, Leg.: W.H. Dall.

harrisi, *Gibbula* Baker & Spicer, 1930: Trans. San Diego Soc. Nat. Hist. 6(6):177-178.
PARATYPES: LACM 1014 (2 dry), 7 m, Basilan Channel, off Zamboanga, Zamboanga del Sur Prov., Mindanao Id., Philippines, Leg.: F. Baker, 24 FEB 1914.
Remarks: Currently in the genus *Solariella*.

hickmanae, *Margarites* (*Margarites*) McLean, 1984a: The Veliger 26(3):234-236.
PARATYPES: LACM 1994 (2 dry), 99 m, Petrel Bank, near Semisopchnoi Id., Rat Ids., Aleutian Ids. Co., Alaska (52°11'N, 179°57'W), Leg.: R/V *Albatross*, 5 JUN 1906.

hummelincki, *Euchelus* Moolenbeek & Faber, 1989: Found. Sci. Res. in Surinam & Neth. Antilles 123:220-224.
PARATYPE: LACM 2468 (1 dry), 100 m, off Holetown, St. James Parish, Barbados, Leg.: P.W. Hummelinck, 19 FEB 1964.

jacquelineae, *Calliostoma* McLean, 1970d: The Veliger 12(4):425.
PARATYPE: LACM 1274 (1 dry), 150 m, Bahía Academy del Sur, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°45'S, 90°20'W), Leg.: A. & J. DeRoy, 10 JUN 1969.

keenae, *Calliostoma* McLean, 1970d: The Veliger 12(4):424-425, pl. 62, fig. 13-14.
HOLOTYPE: LACM 1272 (dry), 106-110 m, Fifty-eight Fathom Bank, 12 mi. off Laguna Beach, Orange Co., California (33°23.78'N, 117°59.78'W), Leg.: R/V *Velero III*, 12 FEB 1949.

korkosi, *Clanculus* Singer, Mienis, & Geiger, 2000: La Conchiglia 32(294-295):33-38.
PARATYPE: LACM 2872 (1 dry); **PARATYPE:** LACM 2873 (shell dry, animal wet), 18 m, Blue Hole, 11 km N of Dahab, Gulf of Aqaba, Sinai Peninsula, Egypt; **PARATYPE:** LACM 2874 (2 dry, 1 coated), 20 m, Dahab area, Gulf of Aqaba, Sinai Peninsula, Egypt.
Remarks: Radula of paratype 2873 on SEM stub.

lewisae, *Solariella* (*Solariella*) Willett, 1946: Bull. So. Calif. Acad. Sci. 45(1):32, pl. 7.
HOLOTYPE: LACM 1084 (dry), 27 m, Spiridon Bay, Kodiak Id., Kodiak Co., Alaska, Leg.: Mr. & Mrs. F. Lewis.
Remarks: Junior synonym of *Solariella* (*Solariella*) *obscurra* (Couthouy, 1838).

marshalli, *Calliostoma* Lowe, 1935: Trans. San Diego Soc. Nat. Hist. 8(6):19.
PARATYPES: LACM 2184 (15 dry), San Felipe, Golfo de California, Baja California, México, Leg.: Quayle & Glassell.
Remarks: *Ex* UCLA 5188.

mcleani, *Calliostoma* Shasky & Campbell, 1964: The Veliger 7(2):117-118.
PARATYPES: LACM 1258 (2 dry), 5.4 m, S of Punta Colorado, Guaymas, Sonora, México, Leg.: B. Dillworth, JUL 1964.

mendella, *Tegula* (*Agathistoma*) McLean, 1964: The Veliger 7(2):131.
PARATYPE: LACM 1135 (1 dry), Mission Bay, San Diego, San Diego Co., California, Leg.: J.H. McLean, 1962.
Remarks: Junior synonym of *Tegula eiseni* Jordan, 1936.

nortoni, *Agathodonta* McLean, 1984b: Nautilus 98(3):122-123, figs. 1-3.
HOLOTYPE: LACM 2031 (dry), 96-320 m, Baltazar Id., Marinduque Prov., Philippines (13°14'N, 121°49'E).

parvum, *Calliostoma canaliculatum* Williamson, 1905b: Bull. So. Calif. Acad. Sci. 4(8):128.
SYNTYPES: LACM 2206 (10 dry), San Diego Bay, San Diego Co., California, Leg.: F.W. Kelsey.
Remarks: Junior synonym of *Calliostoma canaliculatum* (Lightfoot, 1786).

picta, *Tegula* (*Agathistoma*) McLean, 1970a: Malac. Review 2:121-122, figs. 18-19.
HOLOTYPE: LACM 1385 (dry); **PARATYPES:** LACM 1386 (13 dry), W of Manta, Manabi Prov., Ecuador (0°56.72'S, 80°44.72'W), Leg.: R/V *Velero III*, 20 JAN 1935

sanjaimense, *Calliostoma* McLean, 1970d: The Veliger 12(4):423, pl. 62, fig. 11.
HOLOTYPE: LACM 1269 (dry); **PARATYPES:** LACM 1270 (2 dry), 137 m, San Jaime Bank, off Cabo San Lucas, Golfo de California, Baja California Sur, México (22°50.5'N, 110°15'W), Leg.: R/V *Velero III*, 3 MAR 1937.

scalenum, *Calliostoma* Quinn, 1992: The Nautilus 106(3):92-93.
PARATYPE: LACM 2292 (1 dry), 21-27 m, Stetson Bank, SE of Galveston, Galveston Co., Texas (28°09.90'N, 94°18.0'W), Leg.: NW Gulf Survey, AUG 1971.

scurra, *Calliostoma* Quinn, 1992: The Nautilus 106(3):110-111.
PARATYPE: LACM 2253 (1 dry), 33-35 m, off Orinoco River mouth, Delta Amacuro Terr., Venezuela (9°04.1'N, 60°10.7'W), Leg.: R/V *John Elliott Pillsbury*, 30 JUN 1969.

symplector, *Bathymargarites* Warén & Bouchet, 1989: Zoologica Scripta 18(1):91-94.
PARATYPES: LACM 2288 (7 dry), 2612 m, East Pacific Rise, East Pacific (20°50'N, 106°06'W), Leg.: R/V *Alvin*, 25 APR 1982.

titanium, *Calliostoma* McLean, 1984a: The Veliger 26(3):236, fig. 4.

HOLOTYPE: LACM 1995 (shell dry, animal wet), 256-274 m, SE of Santa Catalina Id., California Channel Ids., California (33°15.2'N, 118°14'W), Leg.: R/V *Velero III*, 10 DEC 1939.

Remarks: Currently in the subgenus *Otukaia*.

toreuta, *Cataegis* McLean & Quinn, 1987: The Nautilus 101(3):113-115.

PARATYPES: LACM 2264 (2 dry), 604-733 m, off Bolivar Prov., Colombia (10°17'N, 79°59.9'W), Leg.: R/V *John Elliott Pillsbury*, 14 JUL 1966.

veleroae, *Calliostoma* McLean, 1970d: The Veliger 12(4):423-424, pl. 62, fig. 12.

HOLOTYPE: LACM 1271 (1 dry), 99 m, 3 mi. S of Isla Ladrones, Chiriqui Prov., Panamá (7°49'N, 82°23.5'W), Leg.: R/V *Velero III*, 27 MAR 1939.

verdispira, *Tegula* (*Agathistoma*) McLean, 1970a: Malac. Review 2:122, figs. 20-21.

HOLOTYPE: LACM 1387 (dry); **PARATYPE:** LACM 1388 (1 dry), 0 m, intertidal, S anchorage, Isla Maria Magdalena, Islas Tres Marias, Nayarit, México (21°35'N, 106°35'W), Leg.: C. Miller, J.H. McLean, A.M. Keen, R/V *Gringa*, 15 MAR 1965.

verrucosa, *Tegula* (*Agathistoma*) McLean, 1970a: Malac. Review 2:122-123, figs. 22-23.

HOLOTYPE: LACM 1389 (dry); **PARATYPES:** LACM 1390 (5 dry), 0 m, intertidal, Palo Seco, Pacific Coast Panama Canal Zone, Panamá (8°55'N, 79°34'W), Leg.: E. Bergeron, 1963.

Superfamily TURBINOIDEA Rafinesque, 1815

Family Turbinidae Rafinesque, 1815

cordellensis, *Homalopoma* McLean, 1995: Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Ch. 9(2)(1)28-29, fig. 1.4E.

HOLOTYPE: LACM 2779 (dry); **PARATYPES:** LACM 2780 (356 dry), 37-55 m, unnamed bank 3 mi. WSW of Pt. Sur, Monterey Co., California (approx. 36°17'N, 121°58'W), Leg.: R.W. Schmieder, R/V *Cordell Explorer*, SEP 1988-OCT 1989.

draperi, *Homalopoma* (*Homalopoma*) McLean, 1984a: The Veliger 26(3):238-239, fig. 8.

HOLOTYPE: LACM 2001 (dry); **PARATYPES:** LACM 2002 (164 dry), 9-30 m, Isthmus Cove, Santa Catalina Id., California Channel Ids., California (33°26.5'N, 118°29'W), Leg.: J.H. McLean, JUN-JUL 1971.

engbergi, *Leptothyra* Willett, 1929b: The Nautilus 43(1):27-28, pl. 3, fig. 4.

HOLOTYPE: LACM 1017 (dry); **PARATYPES:** LACM 2141 (22 dry), Olga, Orcas Id., San Juan Ids., San Juan Co., Washington, Leg.: C.C. Engberg.

Remarks: Currently in the genus *Homalopoma*. Paratypes ex UCLA 20960.

jonathani, *Turbo* Dekker, Moolenbeek, & Decker, 1992: Jour. Conch. 34(4):225-229.

PARATYPE: LACM 2724 (1 dry), 7 km east of Marbat, Dhofar Prov., Oman, Leg.: R.G. Moolenbeek & H. Dekker, 14 NOV 1991.

kachemakensis, *Spiromoelleria* Baxter & McLean, 1984: The Veliger 27(2):223-225, fig. 6.

HOLOTYPE: LACM 1989 (dry); **PARATYPES:** LACM 1990 (43 dry), 9 m, off the N side of Hesketh Id., Kachemak Bay, Kenai Peninsula, Kenai-Cook Inlet Co., Alaska (59°30.5'N, 151°31'W), Leg.: J.H. McLean & R. Baxter, 2 AUG 1973.

mimicum, *Homalopoma* (*Homalopoma*) LaFollette, 1976: The Veliger 19(1):71-76, figs. 7-10, 26.

HOLOTYPE: LACM 1765 (dry); **PARATYPES:** LACM 1766 (5 dry), 24-34 m, Six-and-one-half Fathom Bank, 4 mi. off Isla San Martin, Pacific Coast Baja, California, México (30°25.38'N, 116°08.20'W), Leg.: J.H. McLean, R/V *Searcher*, 17 OCT 1971.

morini, *Leptothyra* Viader, 1951: Mauritius Inst. Bull. 3(2):150.

SYNTYPE: LACM 2804 (1 dry), St. Brandon Id., Cargados Carajos Shoals, Mascarene Ids., Indian Ocean (16°38'S, 59°38'E), Leg.: G. Morin & R. Viader.

Family Phasianellidae Swainson, 1840

diantha, *Tricolia* (*Eulithidium*) McLean, 1970a: Malac. Review 2:125-126, fig. 34.

HOLOTYPE: LACM 1397 (dry); **PARATYPES:** LACM 1398 (34 dry), 110 m, E of the S end of Isla Isabela (= Albemarle Id.), Islas Galápagos (0°55'S, 90°30'W), Leg.: R/V *Velero III*, 26 JAN 1934.

macleani, *Tricolia* (*Eulithidium*) Marincovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull. 16:25, fig. 47.

HOLOTYPE: LACM 1585 (dry); **PARATYPES:** LACM 1586 (275 dry), 0 m, intertidal, Patillos, Tarapaca Prov., Chile (20°48'S, 70°12'W), Leg.: L. Marincovich, JUL 1964.

roni, *Gabrielona* Moolenbeek & Dekker, 1992: Venus 52(2):143-145.

PARATYPES: LACM 2727 (2 wet), Ra's Janjali, Dhofar Prov., Oman, Leg.: R.G. Moolenbeek & H. Dekker, 14 NOV 1991.

Family Liotiidae Gray, 1850

adusta, *Arene* (*Arene*) McLean, 1970a: Malac. Review 2:123, figs. 24-25.

HOLOTYPE: LACM 1391 (dry); **PARATYPES:** LACM 1392 (18 dry), 0-1.8 m, intertidal, Bahía Partida, between Islas Partida & Espíritu Santo, Golfo de California, Baja California Sur, México (24°25'N, 110°25'W), Leg.: J.H. McLean, 10 APR 1966.

balboai, *Liotia* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):236-237.

PARATYPES: LACM 1731 (2 dry), 5-16 m, off Isla Taboga, Panamá Prov., Panamá, Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Marevalvata*.

digitata, *Macrarenne* McLean, Absalao, & Cruz, 1988: The Nautilus 102(3):100-101.

PARATYPE: LACM 2377 (1 dry), 146 m, off Cabo San Roque, Rio Grande do Norte State, Brazil (4°30'S, 50°03'W), Leg.: R/V *Almarante Saldanha*, 8 MAY 1968.

echinata, *Arene* (*Arene*) McLean, 1970b: The Veliger 12(3):311.

PARATYPES: LACM 1277 (2 dry), 0 m, intertidal, Punta Espinosa, Isla Fernandina (= Narborough Id.), Islas Galápagos, Leg.: J. DeRoy, 30 JAN 1968.

- ferruginosa*, *Arene* (*Arene*) McLean, 1970a: Malac. Review 2:123-124, figs. 26-27.
HOLOTYPE: LACM 1393 (dry), 46 m, S of White Friars, Guerrero, México (17°30.8'N, 101°29.92'W), Leg.: R/V *Velero III*, 2 MAR 1934.
- glassii*, *Bathylotina* McLean, 1988b: The Veliger 30(4):409-410, fig. 1.
HOLOTYPE: LACM 2298 (dry); **PARATYPES**: LACM 2299 (2 dry), 90-180 m, Bohol Strait, Philippines.
- guttata*, *Arene* (*Arene*) McLean, 1970b: The Veliger 12(3):310-311, pl. 46, figs. 1-2.
HOLOTYPE: LACM 1275 (dry); **PARATYPES**: LACM 1276 (87 dry), 0 m, intertidal rocks, Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos, Leg.: J. DeRoy, 30 MAY 1969.
- heimi*, *Liotia* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):238.
PARATYPE: LACM 1736 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.
- lepidotera*, *Macrarenne* McLean, 1970a: Malac. Review 2:125, figs. 32-33.
HOLOTYPE: LACM 1396 (dry); 128-137 m, Bahía Braithwaite, Isla Socorro, Islas Revillagigedo, Southern México (18°40.70'N, 110°55.97'W), Leg.: R/V *Velero III*, 18 MAR 1939.
- miniata*, *Liotia* Dall, 1889: Bull. Mus. Comp. Zool. 18:390.
PARATYPES: LACM 1428 (3 dry), Nassau, New Providence, Bahamas, Leg.: W.H. Dall.
- spectabilospina*, *Macrarenne* Shasky, 1970: The Veliger 13(2):188-189, figs. 1-2.
HOLOTYPE: LACM 1409 (dry), 82 m, Golfo de Tehuantepec, Chiapas, México, Leg.: D.R. Shasky, 10 JUL 1963.
- springsteeni*, *Pseudoliotina* McLean, 1988b: The Veliger 30(4):410, fig. 2.
HOLOTYPE: LACM 2300 (dry); **PARATYPE**: LACM 2301 (1 dry), 200-350 m, Bohol Strait, Philippines.
- stellata*, *Arene* (*Arene*) McLean, 1970a: Malac. Review 2:124-125, figs. 30-31.
HOLOTYPE: LACM 1394 (dry); **PARATYPES**: LACM 1395 (4 dry), 6-9 m, Bahia Partida, adjoining the W sides of Islas Partida & Espíritu Santo, Golfo de California, Baja California Sur, México (24°25'N, 110°25'W), Leg.: J.H. McLean, 10 APR 1966.
- winslowae*, *Arene* (*Arene*) Pilsbry & Lowe, 1932a: Proc. Acad. Nat. Sci. Philadelphia 84:86.
PARATYPES: LACM 1262 (3 dry); **PARATYPES**: LACM 2328 (4 dry), 0 m, intertidal, San Juan del Sur, Rivas Dept., Nicaragua, Leg.: H.N. Lowe, 1931.

Family Skeneidae Clark, 1851

- fallax*, *Dillwynella* Hasegawa, 1997: Nat. Sci. Mus. Tokyo Mem. 12:97-99.
PARATYPES: LACM 2842 (3 dry), 180-450 m, off Heda, Suruga-wan, Shizuoka Pref., Honshu, Japan (34°59.4'N, 138°43.4'E), Leg.: R/V *Soro-Maru*, 25 OCT 1993
- planorbis*, *Dillwynella* Hasegawa, 1997: Nat. Sci. Mus. Tokyo Mem. 12:94-96.
PARATYPES: LACM 2841 (3 dry), 140-400 m, 3.5 km ENE of Osezaki, Suruga-wan, Shizuoka

Pref., Honshu, Japan (35°00.5'N, 138°45.1'E), Leg.: R/V *Soro-Maru*.

rehderi, *Parviturbo* Pilsbry & McGinty, 1945: The Nautilus 59(2):54-55.

PARATYPE: LACM 2233 (1 dry), N inlet to Lake Worth, Palm Beach Co., Florida, Leg. T.L. McGinty, 7 JUL 1945.

seishinmaruae, *Dillwynella* Hasegawa, 1997: Nat. Sci. Mus. Tokyo Mem. 12:99-103.

PARATYPES: LACM 2843 (2 dry), 460 m, off Heda, Suruga-wan, Shizuoka Pref., Honshu, Japan, Leg.: H. Numanami, R/V *Kotoku-Maru*, 20 FEB 1991.

vitrea, *Dillwynella* Hasegawa, 1997: Nat. Sci. Mus. Tokyo Mem. 12:90-94.

PARATYPE: LACM 2840 (1 dry), 400-740 m, off Heda, Sugura-wan, Shizuoka Pref., Honshu, Japan (35°00.4'N, 138°43.2'E), Leg.: R/V *Soro-Maru*, 17 NOV 1993.

Superfamily SEGUENZIOIDEA Verrill, 1884

Family Seguenziidae Verrill, 1884

inermis, *Carencia* Quinn, 1983: Proc. Biol. Soc. Washington 96(3):362, figs. 13-14.

HOLOTYPE: LACM 1806 (dry), 2820 m, 181.7 mi. 263.5 degrees T from Cape Perpetua, near Yachats, Lincoln Co., Oregon (44°33'N, 128°20.2'W), Leg.: Oregon State Univ.; R/V *Cayuse*, 3 NOV 1973.

megaloconcha, *Seguenzia* Rokop, 1972: The Veliger 15(1):15.

PARATYPE: LACM 1550 (1 dry), 3592-3798 m, W of Pioneer Seamount and SW of the Farallon Ids., California (37°22'N, 123°54'W), Leg.: R/V *Thomas Washington*, 14-15 JUN 1967.

quinni, *Seguenzia* McLean, 1985a: The Veliger 27(3):337-338, fig. 2.

HOLOTYPE: LACM 2065 (dry), 3900 m, 451.7 mi. 264.3 degrees T from Cape Foulweather, Tufts Abyssal Plain off Oregon, East Pacific (45°02'N, 134°42.2'W), Leg.: Oregon State Univ., R/V *Yaquina*, 9 OCT 1972.

Subclass Orthogastropoda Ponder & Lindberg, 1998

Clade Cocculiniformia Haszprunar, 1987

Superfamily COCCULINOIDEA Dall, 1882

Family Cocculinidae Dall, 1882

baxteri, *Cocculina* McLean, 1987: Zool. Scripta 16(4):330, fig. 14.

HOLOTYPE: LACM 2067 (shell dry, animal wet); **PARATYPES:** LACM 2068 (78 wet), 424-430, Prince William Sound, Valdez-Cordova Co., Alaska (60°42.6'N, 148°04'W), Leg.: R. Baxter, R/V *Oregon*, 26 APR 1978.

cowani, *Cocculina* McLean, 1987: Zool. Scripta 16(4):328-330.

PARATYPES: LACM 2066 (4 wet animals, dry shells), 1370 m, off W side of Moresby Id., Queen Charlotte Ids., British Columbia, Canada (52°30.5'N, 131°55'W), Leg.: Fisheries Res. Board of Canada, R/V *G.B. Reed*, OCT 1966.

craigsmithi, *Cocculina* McLean, 1992c: Jour. Moll. Stud. 58:402-405, figs.1-8.

HOLOTYPE: LACM 2459 (shell dry, animal wet); **PARATYPES:** LACM 2460 (2 dry, 6 wet); **PARATYPES:** LACM 2461 (shells dry, animals wet), 1240 m, Santa Catalina Basin, between San Clemente Id. and Santa Catalina Id., California Channel Ids., California (33°12'N, 118°30'W), Leg.: C.R. Smith, R/V *Alvin*, 10 NOV 1987; **PARATYPES:** LACM 2391 (5 wet), 1240 m, Santa Catalina Basin, between San Clemente Id. and Santa Catalina Id., California Channel Ids., California (33°12'N, 118°30'W), Leg.: C.R. Smith, R/V *Alvin*, 21 FEB 1991; **PARATYPES:** LACM 2392 (5 wet, 3dry shells), 1240 M, Santa Catalina Basin, between San Clemente Id. and Santa Catalina Id., California Channel Ids., California (33°12'N, 118°30'W), Leg.: C.R. Smith, R/V *Alvin*, 22 FEB 1991.

crinita, *Coccopigya* Marshall, 1985b: New Zealand Jour. Zool. 12(4):515-516.

PARATYPES: LACM 2767 (3 wet), Chatham Rise, SE of Cape Pelliser, Wellington, North Id., New Zealand (42°43'S, 176°08'E), Leg.: R/V *Kaltan*, 28 SEP 1982.

emsoni, *Cocculina* McLean & Harasewych, 1995: Nat. Hist. Mus. L.A. Co. Cont. Sci. 453: 13-14.

PARATYPE: LACM 2736 (1 dry), 518 m, Off Southwest Reef, New Providence Id., Bahamas (24°54.04'N, 77°33.14'W), Leg.: R. Emson, C.M. Young, & P.A. Tyler, R/V *Johnson-Sea-Link II*, 9 MAY 1992.

hispida, *Coccopigya* Marshall, 1985b: New Zealand Jour. Zool. 12(4):513-514.

PARATYPE: LACM 2766 (wet), 1198-1211 m, off Castlepoint, Wellington, North Id., New Zealand (41°09.7'S 176°31.3'E), Leg.: R/V *James Cook*, 4 APR 1984 .

messingi, *Cocculina* McLean & Hararsewych, 1995: Nat. Hist. Mus. L.A. Co. Cont. Sci. 453: 11-13.

PARATYPE: LACM 2735 (1 dry), 412 m, S of Settlement Pt., Grand Bahama Id., Bahamas. (26°37.52'N, 78°58.93'W), Leg.: C. Messing, R/V *Johnson-Sea-Link II*, 18 MAY 1992.

moskalevi, *Macleaniella* Leal & Harasewych, 1999: Invert. Biol. 118(2):123-127.

PARATYPES: LACM 2807 (3 wet), 7961-7970 m, western Puerto Trench, N of Puerto Rico (19°42.5'N, 67°5'W), Leg.: R/V *Pillsbury*, 21 JAN 1970.

okutanii, *Coccopigya* Hasegawa, 1997: Nat. Sci. Mus. Tokyo, Memoirs 12:79-81.

PARATYPES: LACM 2838 (3 dry shells, animals wet), 275-500 m, 5.1 km off Kumomi, Suruga-wan, Shizuoka Pref., Honshu, Japan (34°46.3'N, 138°42.8'E), Leg.: R/V *Soro-Maru*, 23 OCT 1994.

Clade Cycloneritimorpha

Superfamily HELICINOIDEA Férussac, 1822

Family Helicinidae Férussac, 1822

chionea, *Helicina* (*Helicina*) Pilsbry, 1949: The Nautilus 62(3):101.

PARATYPES: LACM 2052 (5, dry), 2900 m, Mejorada, near Huancayo, Rio Mantaro, Pasco Dept., Peru, Leg.: W. Weyrauch.

Clade Caenogastropoda Cox, 1959

Zygopleuroid Group

Family Provannidae Warén & Ponder, 1991

admetoides, *Provanna* Warén & Ponder, 1991: Zoologica Scripta 20(1):54-55.

PARATYPES: LACM 2442 (2 dry), 624-631 m, W of St. Petersburg, Pinellas Co., Florida (28°08'N, 85°52'W), Leg.: Mineral Management Services, 16 MAY 1985.

laevis, *Provanna* Warén & Ponder, 1991: Zoologica Scripta 20(1):53.

PARATYPES: LACM 2443 (3 dry), 004 m, Guaymas Basin, Golfo de California, México (27°00.7'N, 111°24.4'W), Leg.: R/V *Alvin*, 6 AUG 1985.

macleani, *Provanna* Warén & Bouchet, 1989: Zoologica Scripta 18(1):94-95, fig. 112.

HOLOTYPE: LACM 2289 (dry); **PARATYPES:** LACM 2290 (3 dry), 2713 m, off Cape Foulweather, Cascadia Abyssal Plain off Oregon, East Pacific (44°52.4'N, 126°40.8'W), Leg.: Oregon State Univ., R/V *Yaquina*, 16 JAN 1970.

Remarks: Radula of paratype mounted on glass slide.

nautili, *Ifremeria* Bouchet & Warén, 1991: Comp. Rend. Seances de L'Acad. Sci., Paris, 3rd ser., Sci. Vie 312:495-501.

PARATYPES: LACM 2245 (2 wet), 1750 m, Vailili Site, Valufa Ridge, Lau Basin, SE of Fiji (23°13'S, 176°38'W), Leg.: Biolau Exped., R/V *Nautile*, 12 MAY, 1989.

sculpta, *Provanna* Warén & Ponder, 1991: Zoologica Scripta 20(1):53-54.

PARATYPES: LACM 2444 (2 dry), 576 m, "Bush Hill" hydrocarbon seep, Louisiana Slope, Gulf of Mexico (27°46.94'N, 90°30.34'W), Leg.: R/V *Johnson-Sea-Link I*, 28 SEP 1986.

segonzaci, *Provanna* Warén & Ponder, 1991: Zoologica Scripta 20(1):51-52.

PARATYPES: LACM 2445 (2 dry), 900 m, Valufa Ridge, Fiji Back-Arc, Lau Basin, SE of Fiji (22°32'S, 176°43'W), Leg.: Biolau Exped.

variabilis, *Provanna* Warén & Bouchet, 1986: Zoologica Scripta 15(2):163-164.

PARATYPE: LACM 2291 (1 dry), 2212 m, Endeavor Segment, Juan de Fuca Ridge off, Washington, East Pacific (47°57'N, 129°04'W), Leg.: R/V *Alvin*, 25 JUL 1984.

Informal Group Architaenioglossa Haller, 1892

Superfamily CYCLOPHOROIDEA Gray, 1847

Family Cyclophoridae Gray, 1847

barbouri, *Farcimen majusculum* Alcalde, 1945a: Revista Sociedad Malac. 3(1):16.

PARATYPES: LACM 1637 (2 dry), Ceno de Bastillos, La Sierra, Cienfuegos, Cienfuegos Prov., Cuba.

Remarks: Currently in the genus *Megalomastoma*.

cisnerosi, *Farcimen* Alcalde, 1945b: Revista Sociedad Malac. 3(2):45-46.

PARATYPES: LACM 1642 (5 dry), Quemado de los Cedros, San Jose, La Sierra, Cienfuegos, Cienfuegos Prov., Cuba.

Remarks: Currently in the genus *Megalomastoma*.

corralilloense, *Farcimen auriculatum* Alcalde, 1945a: Revista Sociedad Malac. 3(1):12-13.
PARATYPES: LACM 1636 (2 dry), Corralillo, Guaos, Cienfuegos, Cienfuegos Prov., Cuba.
Remarks: Currently in the genus *Megalomastoma*.

deflexa, *Cyclophorus (Eucyclotus) auriculatus* var. Möllendorff, 1893: Senck. natur. Gess. Berichte, p. 108.
PARATYPE: LACM 2620 (1 dry), Jaro, Leyte Prov., Philippines.

edouardi, *Farcimen cisnerosi* Alcalde, 1945b: Revista Sociedad Malac. 3(2):46.
PARATYPE: LACM 1643 (1 dry), Baulla, San Juan, Trinidad, Sancti Spiritus Prov., Cuba.
Remarks: Currently in the genus *Megalomastoma*.

imperator, *Farcimen* Alcalde, 1945b: Revista Sociedad Malac. 3(2):44.
PARATYPES: LACM 1641 (2 dry), Valle de Delicias, Siguanea, Villa Clara Prov., Cuba.
Remarks: Currently in the genus *Megalomastoma*.

jaumei, *Farcimen* Alcalde, 1945b: Revista Sociedad Malac. 3(2):43.
PARATYPES: LACM 1639 (5 dry), Varallones de Briche, Yaguanabo, Trinidad, Sancti Spiritus Prov., Cuba.
Remarks: Currently in the genus *Megalomastoma*.

kibleri, *Cyclophorus (Cyclohelix)* Fulton, 1907: Ann. Mag. Nat. Hist., 7th ser., 19:156.
SYNTYPES: LACM 2618 (2 dry), Nias Id., Kepulauan Mentawai, Indonesia.

martensianus, *Cyclophorus (Cyclophorus)* Möllendorff, 1875: Jahr. Deut. Malak. Gess. 2:120.
PARATYPE: LACM 2621 (1 dry), Hubei Prov., China.

obtecta, *Cyclophorus (Cricophorus) philippinarum* var. Kobelt & Möllendorff, 1898: Nachr. Deut. Malak. Gess. 29:111.
PARATYPES: LACM 2622 (4 dry), Ilocos Id., NW Luzon Id., Philippines, Leg.: O.F. Möllendorff.
Remarks: Junior synonym of *Cyclophoras philippinarum* (Sowerby, 1842).

parvulum, *Farcimen jaumei* Alcalde, 1945b: Revista Sociedad Malac. 3(2):44.
PARATYPES: LACM 1640 (5 dry), Agunda de la Botella, Cumanayagua, Villa Clara Prov., Cuba.
Remarks: Currently in the genus *Megalomastoma*.

rugulosum, *Farcimen guitarti* Alcalde, 1945a: Revista Sociedad Malac. 3(1):42-43.
PARATYPES: LACM 2041 (4 dry), Las Veguetas del Cuajani, Buenos Aires, Cienfuegos Prov., Cuba.
Remarks: Currently in the genus *Megalomastoma*.

Family Neocyclotidae Kobelt & Möllendorff, 1897

chocolatum, *Incidostoma* Morrison, 1955: Jour. Washington Acad. Sci. 45(5):158-159.
PARATYPE: LACM 1654 (1 dry), Papallacta, Napo-Pastaza Prov., Ecuador.

diminutum, *Incidostoma* Morrison, 1955: Jour. Washington Acad. Sci. 45(5):159.

PARATYPES: LACM 1655 (2 dry), Papallacta, Napo-Pastaza Prov., Ecuador.

jacksoni, *Incidostoma* Morrison, 1955: Jour. Washington Acad. Sci. 45(5):158.

PARATYPES: LACM 1656 (3 dry), Near Mera, Napo-Pastaza Prov., Ecuador.

Clade Sobreoconcha Ponder & Lindberg, 1997

Superfamily CERITHIOIDEA Fleming, 1822

Family Cerithiidae Fleming, 1822

scobiniforme, *Cerithium* Houbriek, 1992: Smithsonian Contr. to Zool. 510:177-179.

PARATYPES: LACM 2654 (6 dry), 2-9 m, 1.5 mi. S of Port Dimalonsa, Estagno Id., Cagayan Prov., Luzon Id., Philippines, Leg.: J. Norton, 26 JUN 1964.

Family Diastomatidae Cossmann, 1894

veraguaensis, *Alabina* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):218-219.

PARATYPE: LACM 1711 (2 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

Family Pachychilidae Fischer & Cross, 1892

clenchi, *Goniobasis* Goodrich, 1924: The Nautilus 38(2):46-48.

PARATYPES: LACM 1649 (3 dry), Choctawatchee River, Dale Co., Alabama, Leg.: W.J. Clench, 23 JUL 1923.

Remarks: Currently in the genus *Elimia*.

praerosa, *Leptoxis* (*Leptoxis*) Say, 1821: Jour. Acad. Nat. Sci. Philadelphia 2(1):177-178.

PARATYPE: LACM 2021 (1 dry), Ohio River, United States.

Family Turritellidae Lovén, 1847

ahiparana, *Turritella* Powell, 1927b: Trans. Proc. New Zealand Inst. 58(3):297.

PARATYPES: LACM 1319 (18 dry); **PARATYPES:** LACM 2057 (7 dry), 42 m, off Ahipara, Northland, North Id., New Zealand.

Remarks: Currently in the genus *Zeacolpus*.

anactor, *Turritella* Berry, 1957: Leaflets in Malacology 1(14):78.

PARATYPE: LACM 1447 (1 dry), Playa de Almejas, N side of San Felipe, Golfo de California, Baja California, México, Leg.: F.B. Howard, APR 1957.

frisbeyae, *Vermicularia* McLean, 1970b: The Veliger 12(3):311-312, pl. 46, figs. 5-6.

HOLOTYPE: LACM 1278 (dry); **PARATYPE:** LACM 1279 (1 dry), 55-73 m, off the lighthouse at Manzanillo, Colima, México (19°03'N, 104°20'W), Leg.: J. Frisbey, FEB 1969.

kowiensis, *Turritella* Sowerby, 1900: Proc. Malac. Soc. London 4(1):6.

SYNTYPES [as "**COTYPES**"]: LACM 1322 (2 dry), Port Alfred (= The Kowie), Cape Prov., South Africa.

lyonsi, *Turritella* Garcia, 2006: Novapex 7(4):78-79.

PARATYPES: LACM 3072 (2 dry), 28-48 m, Bahía de Campeche, Golfo de México, NE of Campeche, Campeche, México (20°46.97'N, 91°55.86'W), Leg.: E.F. Garcia, 11 JUN 2005.

parkeri, *Turritella* McLean, 1970a: Malac. Review 2:127, fig. 37.

HOLOTYPE: LACM 1401 (dry); **PARATYPES**: LACM 1402 (24 dry), 82-119 m, Bahía de La Paz, W of Isla Espíritu Santo, Golfo de California, Baja California Sur, México (24°24.3'N, 110°23.7'W), Leg.: R/V *Thomas Washington*.

willetti, *Turritella* McLean, 1970b: The Veliger 12(3):312-313, pl. 46, figs. 7-8.

HOLOTYPE: LACM 1280 (dry); **PARATYPES**: LACM 1281 (2 dry), 13-22 m, Bahía Santiago, Manzanillo, Colima, México (19°06'N, 104°23'W), Leg.: L. & C. Shy, NOV-DEC 1968.

Family Siliquariidae Anton, 1838

levispinosum, *Stephopoma* Bieler, 1997: Mar. Flora Fauna Houtman Abrolhos Ids., Aust., p. 271-272.

PARATYPE: LACM 2802 (1 dry), 3 m, Isla Taboguilla, Bahía de Panamá, Panamá Prov., Panamá (8°48'N, 79°31'W), Leg.: R. Bieler, 5 AUG 1983.

Clade Littorinimorpha

Superfamily LITTORINOIDEA Children, 1834

Family Littorinidae Children, 1834

albicarinata, *Littorina* (*Littorina*) McLean, 1970a: Malac. Review 2:127, fig. 36.

HOLOTYPE: LACM 1399 (dry); **PARATYPES**: LACM 1400 (263 dry), El Requeson, Bahía Concepción, Golfo de California, Baja California Sur, México (26°38'N, 111°50'W), Leg.: R. Maynard, AUG 1963.

atkana, *Littorina* (*Littorina*) *sitkana* Dall, 1886: Proc. USNM 9(562):211-212.

PARATYPES: LACM 1203 (3 dry), Kiska Id., Rat Ids., Aleutian Ids. Co., Alaska, Leg.: W.H. Dall.

Family Pickworthiidae Iredale, 1917

bollandi, *Reynellona* LeRenard & Bouchet, 2003: Zoosystema 25(4):582-584, fig. 8.

HOLOTYPE: LACM 2455 (dry); **PARATYPES**: LACM 2456 (13 dry), 46-55 m, 1 km WNW of Onna Village, Horseshoe Cliffs, Okinawa-jima (26°30'N, 127°51'E).

circumserrata, *Mareleptopoma* Raines, 2002a: La Conchiglia 34(304):18-19, fig. 13.

HOLOTYPE: LACM 2938 (dry); **PARATYPE**: LACM 2939 (1 dry), 15 m, in cave off Hanga-Teo, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

Family Pomatiidae Newton, 1891

alcaldei, *Chondrothyrium (Plicathyrium)* Jaume & Fuentes, 1943b: Revista Sociedad Malac. 1(1):24-25.

PARATYPES: LACM 1560 (4 dry), Palmarito de Gonzalez, La Sierra Cienfuegos, Cienfuegos Prov., Cuba.

affinis, *Chondrothyretes* Torre & Bartsch, 1938: Proc. USNM 85(3039):303-304.

PARATYPES: LACM 1355 (7 dry), Dos Hermanos marker, Vinales, Pinar del Rio Prov., Cuba.

aguayoi, *Chondrothyrium (Plicathyrium) torrei* Jaume & Fuentes, 1943c: Revista Sociedad Malac. 1(1):30-31.

PARATYPES: LACM 1561 (3 dry), Hoyo del Infierno, San Blas, Cienfuegos, Cienfuegos Prov., Cuba.

arubana, *Tudora fossor* H.B. Baker, 1924: Occas. Pap. Mus. Zool., Univ. Mich. 152:68-69.

PARATYPES: LACM 1672 (27 dry), Spur of Seroe Pretoen, between Rolis Spoki and Hundoe, Aruba, Netherlands Antilles, Leg.: H.B. Baker, SUM 1962.

Remarks: Currently in the genus *Licina*.

barbouri, *Chondrothyretes* Torre & Bartsch, 1938: Proc. USNM 85(3039):299-300.

PARATYPE: LACM 1349 (5 dry), Luis Lazo, Pinar del Rio Prov., Cuba.

boqueronensis, *Annularia (Fossularia)* Torre & Bartsch, 1941: Proc. USNM 89(3096):309-310, pl. 34, fig. 6.

PARATYPES: LACM 1635 (2 dry), Boqueron del Jatibonico, Guantanamo Prov., Cuba.

britoi, *Eutudora limbifera* Jaume & Fuentes, 1943a: Revista Sociedad Malac. 1(1):19-20.

PARATYPES: LACM 2042 (4 dry), El Hatillo, San Miguel de los Banos, Matanzas Prov., Cuba, Leg.: L. Fuentes.

capestanyi, *Annularia (Bermudezia)* Torre & Bartsch, 1941: Proc. USNM 89(3096):358-359.

PARATYPES: LACM 1353 (3 dry), Palenque de Taguayabon, near Remedios, Villa Clara Prov., Cuba.

cerina, *Chondrothyretes* Torre & Bartsch, 1938: Proc. USNM 85(3039):298-299.

SYNTYPES [as **COTYPES**]: LACM 1350 (6 dry), Sitio del Infierno, Sierro del Iniferno, Vinales, Pinar del Rio Prov., Cuba.

emmae, *Torrella (Torrella)* Jaume & Fuentes, 1943d: Revista Sociedad Malac. 1(1):32-34.

PARATYPES: LACM 2054 (3 dry), Loma de Matanegro, Finca "Odisio," between Coliseo and Jovellanos, Matanzas Prov., Cuba.

fuentesi, *Chondropoma (Chondropoma)* Jaume & Alcalde, 1944: Revista Sociedad Malac. 2(2):39-40.

PARATYPES: LACM 1638 (4 dry), Finca de Lewis, Guanaroca, Cienfuegos, Cienfuegos Prov., Cuba.

fuentesi, *Chondrothyrium crenimargo* Alcalde, 1943: Revista Sociedad Malac. 1(1):11-13.

PARATYPE: LACM 1559 (2 dry), Loma #3 del Potrero "Maranon," Cienfuegos, Cienfuegos

Prov., Cuba.

grandienseis, *Tudora muskusi* H.B. Baker, 1924: Occas. Pap. Mus. Zool., Univ. Michigan 152:53-54.

PARATYPES: LACM 1673 (45 dry), N half of Seroe Grandi, Curaçao, Netherlands Antilles Leg.: H.B. Baker, SUM 1922,

Remarks: Currently in the genus *Licina*.

obiliterata, *Annularia (Bermudezia)* Torre & Bartsch, 1941: Proc. USNM 89(3096):358.

PARATYPE: LACM 1354 (1 dry), Cerro de Guajbana, Villa Clara Prov., Cuba.

pilsbryi, *Tudora* H.B. Baker, 1924: Nautilus 37(3):94.

PARATYPES: LACM 1670 (18 dry), Tafelberg, Santa Barbara, Curaçao, Netherlands Antilles.

Remarks: Currently in the genus *Licina*.

spreitenseis, *Tudora megachelios* H.B. Baker, 1924: Occas. Pap. Mus. Zool., Univ. Michigan 152:58-59.

PARATYPES: LACM 1674 (20 dry), Seroe Spreit, Curaçao, Netherlands Antilles, Leg.: H.B. Baker, SUM 1922.

Remarks: Currently in the genus *Licina*.

wassauenseis, *Tudora aurantia* H.B. Baker, 1924: Occas. Pap. Mus. Zool., Univ. Michigan 152:48-49.

PARATYPES: LACM 1671 (28 dry), Seroe Wassau, W of the entrance to the Goto, Bonaire, Netherlands Antilles, Leg.: H.B. Baker, SUM 1922.

Remarks: Currently in the genus *Licina*.

Superfamily CINGULOPSOIDEA Fretter & Patil, 1958

Family Cingulopsidae Fretter & Patil, 1958

atacamae, *Eatonina (Saginofusca)* Marincovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull. 16:27-28, fig. 52.

HOLOTYPE: LACM 1589 (dry); **PARATYPES:** LACM 1590 (2374 dry), 0 m, intertidal, Iquique, Tarapaca Prov., Chile (20°13'S, 70°10'W), Leg.: L. Marincovich, AUG 1964.

halla, *Skenella* Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:21, fig. 15A.

HOLOTYPE: LACM 2672 (dry); **PARATYPES:** LACM 2673 (8 dry), 17 m, Punta Valparaiso, Canal Cockburn, Magallanes Prov., Chile (54°22.2'S, 71°21.7'W), Leg.: P. Dayton, R/V *Hero*, 17 MAY 1973.

Family Eatoniellidae Ponder, 1965

castanea, *Eatoniella (Eatoniella)* Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:15, fig. 11H.

HOLOTYPE: LACM 2664 (dry); **PARATYPES:** LACM 2665 (6 dry, 28 wet), Intertidal, NW arm Bahía York, Isla de los Estados, Tierra del Fuego, Argentina (54°47.15'S, 64°17.9'W), Leg.: R/V *Hero*, 5 MAY 1971.

denticula, *Eatoniella* (*Eatoniella*) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:7-9, 11, fig. 5B.

HOLOTYPE: LACM 2658 (dry); **PARATYPES**: LACM 2659 (9 wet), Intertidal, Puerto Cook, Isla de los Estados, Tierra del Fuego, Argentina (54°45.25'S, 64°2.3'W), Leg.: R/V *Hero*, 17 MAY 1971.

ebenina, *Eatoniella* (*Eatoniella*) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:12, fig. 5E.

HOLOTYPE: LACM 2660 (dry); **PARATYPES**: LACM 2661 (12 dry), 14 m, Bahía Tom, Magallanes Prov., Chile (50°11.3'S, 74°47.9'W), Leg.: P. Dayton, R/V *Hero*, 21 MAY 1971.

glomerosa, *Eatoniella* (*Eatoniella*) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:15, 17-18, fig. 11A.

HOLOTYPE: LACM 2666 (dry); **PARATYPES**: LACM 2667 (28 dry, 202 wet), Intertidal, Puerto Cook, Isla de los Estados, Tierra del Fuego, Argentina (54°45.25'S, 64°02.3'W), Leg.: R/V *Hero*.

latina, *Eatoniella* (*Eatoniella*) Marincovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull., 16:26-27 fig. 51.

HOLOTYPE: LACM 1587 (dry); **PARATYPES**: LACM 1588 (100 dry), Intertidal, Iquique, Tarapaca Prov., Chile (20°13'S, 70°10'W), Leg.: L. Marincovich, AUG 1964.

magellanica, *Pupatonia* Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:19-21, fig. 11I.

HOLOTYPE: LACM 2670 (dry); **PARATYPES**: LACM 2671 (3 wet), Intertidal, Bahía Crossley, Isla de los Estados, Tierra del Fuego, Argentina (54°46.2'S, 64°42.7'W), Leg.: R/V *Hero*, 27 APR 1971; **PARATYPES**: LACM 2176 (5 dry), 23 m, Isla Westhoff, Chiloe Prov., Chile (43°54'S, 73°43.5'W), Leg.: P. Dayton, R/V *Hero*, 25 MAY 1973.

mcleani, *Eatoniella* (*Albosabula*) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:19, fig. 11G.

HOLOTYPE: LACM 2668 (dry); **PARATYPES**: LACM 2669 (295 dry), Intertidal, Los Molles, Aconcagua Prov., Chile (32°14'S, 71°32'W), Leg.: J.H. McLean, 16-18 OCT 1975.

picea, *Eatoniella* (*Eatoniella*) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:12-14, fig. 5D.

HOLOTYPE: LACM 2662 (dry); **PARATYPES**: LACM 2663 (100 wet), Intertidal, Isla Observatorio, N of Isla Estados, Tierra del Fuego, Argentina (54°39.5'S, 64°08'W), Leg.: R/V *Hero*, 19 OCT 1971.

turricula, *Eatoniella* (*Eatoniella*) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:6-7, fig. 5A.

HOLOTYPE: LACM 2656 (dry); **PARATYPES**: LACM 2657 (69 dry, 136 wet), 135-137 m, 6.4 km N of Cabo San Juan, Isla de los Estados, Tierra del Fuego, Argentina, (54°39.1'S, 63°50.1'W), Leg.: R/V *Hero*, 26 OCT 1971.

zigzag, *Eatoniella* (*Eatoniella*) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:55-56.

PARATYPE: LACM 2700 (1 dry), 9-12 m, Isla Juan Fernández, Eastern Pacific (33°42'S, 78°55'W), Leg.: S. Earle, 15 DEC 1965

Superfamily RISSOOIDEA Gray, 1847

Family Rissoidae Gray, 1847

algida, *Onoba* (?) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:47, figs. 20G, 27A.

HOLOTYPE: LACM 2692 (dry); **PARATYPES:** LACM 2693 (14 dry), 67-71 m, Bahía Capitan Canepa, Isla de los Estados, Tierra del Fuego, Argentina (54°50.2'S, 64°29.4'W), Leg.: R/V *Hero*, 4 NOV 1971.

averni, *Pusillina* (*Haurakia*) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:23-25, figs. 16A-B.

HOLOTYPE: LACM 2674 (dry); **PARATYPES:** LACM 2675 (5 dry), 38 m, NW arm Bahía York, Isla de los Estados, Tierra del Fuego, Argentina (54°47.2'S, 64°18.4'W), Leg.: R/V *Hero*, 1 NOV 1971.

basteriae, *Cingula* (*Cingula*) Moolenbeek & Faber, 1986: Basteria 50(4-6):177-179.

PARATYPES: LACM 2273 (5 dry), Playa de Montana Roja, Lanzarote Id., Canary Ids., Leg.: R.G. Moolenbeek & W.C.M. van der Hijden, SEP 1984.

bermudensis, *Alvania* Faber & Moolenbeek, 1987: Beaufortia 37(4):69-70.

PARATYPES: LACM 2350 (2 dry), Gibbons Bay, Bermuda, Leg.: A.T. Guest, APR 1985.

Remarks: Currently in the genus *Manzonia*.

boucheti, *Rissoina* (*Rissoina*) Sleurs in Crosnier & Bouchet, 1991: Resultats des Campagnes MUSORSTOM, v. 7, Mem. Mus. Natn. Hist. Nat., ser. A, 150:164-174.

PARATYPE: LACM 2702 (1 dry), 440-450 m, SE of New Caledonia (22°47'S, 167°14'E), Leg.: Biocal Exped., R/V *New-Charcot*, 30 AUG 1985.

delicatissima, *Rissonia*, 2002a: La Conchiglia 34(304):16, fig. 9.

HOLOTYPE: LACM 2934 (dry); **PARATYPE:** LACM 2935 (1 dry), 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

erugata, *Onoba* Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:45-46, fig. 19G.

HOLOTYPE: LACM 2690 (dry); **PARATYPES:** LACM 2691 (32 dry, 62 wet), Intertidal, W side Bahía Buen Suceso, Tierra del Fuego, Argentina (54°47.8'S, 65°16'W), Leg.: R/V *Hero*, 23 APR 1971.

eyerdami, *Cingula* Willett, 1934a: The Nautilus 47(3):103, pl. 8, fig. 9.

HOLOTYPE: LACM 1037 (dry), Elrington Id., Prince William Sound, Valdez-Cordova Co., Alaska, Leg.: W.J. Eyerdam; **PARATYPES:** LACM 1174 (3 dry), Evans Id., Prince William Sound, Valdez-Cordova Co., Alaska, Leg.: W.J. Eyerdam, JUL 1924; **PARATYPES:** LACM 2142 (11 dry), Elrington Id., Prince William Sound, Valdez-Cordova Co., Alaska, Leg.: W.J. Eyerdam, JUL 1924.

Remarks: Currently in the genus *Onoba*. Junior synonym of *Onoba kyskensis* (Bartsch, 1911). Paratype lot LACM 2142 ex UCLA 21372.

forresterensis, *Cingula* Willett, 1934a: The Nautilus 47(3):103-104, pl. 8, fig. 8.

HOLOTYPE: LACM 1038 (dry); **PARATYPES:** LACM 2143 (7 dry), Forrester Id., Prince of Wales-Outer Ketchikan Co., Alaska, Leg.: G. Willett.

Remarks: Junior synonym of *Onoba cerinella* (Dall, 1886). Paratypes *ex* UCLA 21368.

guesti, Alvania (Flemellia) Faber & Moolenbeek, 1987: *Beaufortia* 37(4):70-71.

PARATYPES: LACM 2349 (2 dry), Gibbons Bay, Bermuda, Leg.: A.T. Guest, APR 1985.

hannai, Rissoina Smith & Gordon, 1948: *Proc. Calif. Acad. Sci.*, 4th ser., 26(8):236.

PARATYPES: LACM 1004 (2 dry), 46 m, Carmel Bay, Monterey Co., California, Leg.: W.L. Scofield.

Remarks: Currently in the genus *Schwartziella*.

lacuniformis, Onoba (?) Ponder & Worsfold, 1994: *Nat. Hist. Mus. L.A. Co. Contrib. Sci.* 446:47-48, figs. 20A, C, 27B, E.

HOLOTYPE: LACM 2694 (dry); **PARATYPES:** LACM 2695 (2 dry), Intertidal, Puerto Cook, Isla de los Estados, Tierra del Fuego, Argentina (54°45.25'S, 64°2.3'W), Leg.: R/V *Hero*, 17 MAY 1971.

limensis, Manzonina (Alvinia) Ponder & Worsfold, 1994: *Nat. Hist. Mus. L.A. Co. Contrib. Sci.* 446:25, figs. 16D-E.

HOLOTYPE: LACM 2676 (dry); **PARATYPES:** LACM 2677 (2 dry), 6-12 m, Isla Chincha Norte, Ica Prov., Peru (13°38'S, 76°25'W), Leg.: J.H. McLean & V. Alamo, 1 APR 1972 .

microlirata, Powellisetia Ponder & Worsfold, 1994: *Nat. Hist. Mus. L.A. Co. Contrib. Sci.* 446:26, fig. 17B.

HOLOTYPE: LACM 2678 (dry); **PARATYPES:** LACM 2679 (175 dry), 14 m, Bahía Tom, Magallanes Prov., Chile (50°11.3'S, 74°47.9'W), Leg.: P. Dayton, R/V *Hero*, 21 MAY 1973.

myriosirissa, Lapsigyus Shasky, 1970: *The Veliger* 13(2):189, fig. 3.

HOLOTYPE: LACM 1410 (dry), 0 m, intertidal, Punta Tiburon, Mazatlán, Sinaloa, México (23°12.5'N, 106°26.5'W), Leg.: D.R. Shasky, 22 DEC 1962.

okinawensis, Rissoina (Moerchiella) Sleurs, 1993: *Bull. Inst. Roy. Sci. Nat. Belg., Biol.* 63:97-98, figs. 23A-B.

HOLOTYPE: LACM 2729 (dry); **PARATYPES:** LACM 2730 (5 dry), 2 km SSW of Fitzwoody Beach, Naha Air Force Base, Okinawa-jima, Ryukyu-shoto, Japan (26°11.1'N, 127°38.0'E), Leg.: R.F. Bolland, 30 SEP 1977; **PARATYPES:** LACM 2731 (12 dry), "Onna Flats," 1.5 km WSW of Onna, Okinawa-jima, Ryukyu-shoto, Japan (26°29.3'N, 127°50.2'E), Leg.: R.F. Bolland, 24 SEP & 14 OCT 1977; **PARATYPES:** LACM 2732 (2 dry), Fitzwoody Beach, Naha Air Force Base, Okinawa-jima, Ryukyu-shoto, Japan (26°11.6'N, 27°38.4'E), Leg.: R.F. Bolland, 30 SEP 1977; **PARATYPES:** LACM 2733 (5 dry), 1 km W of Onna, Okinawa-jima, Ryukyu-shoto, Japan (26°29.7'N, 127°50.6'E), Leg.: R.F. Bolland, 27 MAY 1978.

protofimbriata, Onoba Ponder & Worsfold, 1994: *Nat. Hist. Mus. L.A. Co. Contrib. Sci.* 446:26-27, 30-31, figs. 19F, 20B, D.

HOLOTYPE: LACM 2680 (dry), **PARATYPES:** LACM 2681 (11 dry), Subtidal, Bahía San Andres, N of Golfo de Penas, Aisen Prov., Chile (46°35.5'S, 75°30.6'W), Leg.: P. Dayton, R/V *Hero*, 23 MAY 1973.

striola, Onoba Ponder & Worsfold, 1994: *Nat. Hist. Mus. L.A. Co. Contrib. Sci.* 446:36, figs. 25A-F.

HOLOTYPE: LACM 2684 (dry); **PARATYPES:** LACM 2685 (2 dry, 2 wet), Intertidal, Puerto Cook, Isla de los Estados, Tierra del Fuego, Argentina (54°45.25'S, 64°2.3'W), Leg.: R/V *Hero*.

subaedonis, *Onoba* Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:36-39, figs. 26B-C.

HOLOTYPE: LACM 2686 (dry); **PARATYPES:** LACM 2687 (33 dry), Subtidal, Bahía San Andres, N of Golfo de Penas, Aisen Prov., Chile (46°35.3'S, 75°30.6'W), Leg.: P. Dayton, R/V *Hero*, 23 MAY 1973.

subincisa, *Onoba* Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:31, 34, 36, figs. 19E.

HOLOTYPE: LACM 2682 (dry); **PARATYPES:** LACM 2683 (37 dry), Intertidal, Punta Santa Ana, Fuerte Bulnes, Peninsula Brunswick, Estrecho Magallanes, Magallanes Prov., Chile (53°38'S, 70°54.5'W), Leg.: J.H. McLean, 16 NOV 1975.

sulcula, *Onoba* Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:39, figs. 20E-F, 27C.

HOLOTYPE: LACM 2688 (dry); **PARATYPE:** LACM 2689 (1 dry), 771-903 m, 8 km S of Punta Ventana, S side of Isla de los Estados, Tierra del Fuego, Argentina (54°54.5'S, 63°56'W), Leg.: R/V *Hero*, 27 OCT 1971; **PARATYPES:** LACM 2177 (10 dry), 121 m, off Cabo de Hornos, Magallanes Prov., Chile (56°19.3'S, 67°09.45'W), Leg.: Discovery Exped., 16 APR 1930.

Family Barleeidae Gray, 1857

meridionalis, *Barleeia* Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:48-49, figs. 27F-G.

HOLOTYPE: LACM 2696 (dry); **PARATYPES:** LACM 2697 (4 dry), 0-4.5 m, Rocky point N of naval base, midway on NE side Isla San Lorenzo, Lia Prov., Perú (12°5.75'S, 77°12.9'W), Leg.: J.H. McLean, J.A. Coyer, & J.M. Engle, 29 JAN 1974; **PARATYPES:** LACM 2754 (9 dry), 0-6 m, Pucusana (Chilca), Lima Prov., Perú (12°30'S, 76°49'W), Leg.: J.H. McLean, MAR-APR 1972.

ovata, *Scrobs* Powell, 1927a: Trans. New Zealand Inst. 57:546.

PARATYPES: LACM 1362 (2 dry), 22 m, off Awanui, Ranganu Bay, Northland, North Id., New Zealand.

Remarks: Currently in the genus *Anabathron*.

stephensae, *Amphithalamus* (*Amphithalamus*) Bartsch, 1927: Proc. USNM 70(2660):28-29.

PARATYPE: LACM 2183 (9 dry), Bahía Magdalena, Pacific Coast Baja California Sur, México Leg.: C.L. Simons.

Remarks: *Ex* UCLA 46030.

trosti, *Amphithalamus* (*Amphithalamus*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):228-229.

PARATYPES: LACM 1730 (2 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

zeteki, *Barleeia* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):228.

PARATYPES: LACM 1716 (2 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá,

Leg.: L.G. Hertlein.

Remarks: Junior synonym of *Barleeia paupercula* (C.B. Adams, 1856).

Family Iravadiidae Thiele, 1928

lignicola, *Nozeba* Hasegawa, 1997: Nat. Sci. Mus. Tokyo Mem. 12:108-110.

PARATYPES: LACM 2844 (2 dry), 140-400 m, 3.5 km ENE of Osezaki, Suruga-wan, Shizuoka Pref., Honshu, Japan (35°00.5'N, 138°45.1'E), Leg.: R/V *Soro-Maru*, 26 OCT 1994.

Family Hydrobiidae Stimpson, 1865

adamantina, *Tryonia* (*Paupertryonia*) Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:41-42, fig. 20.

HOLOTYPE: LACM 2089 (wet), Diamond Y Spring, Pecos Co., Texas, Leg.: D.W. Taylor, 26 JUN 1968.

alamosae, *Tryonia* (*Paupertryonia*) Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:42-44, fig. 21.

HOLOTYPE: LACM 2188 (wet), Ojo Caliente, Socorro Co., New Mexico, Leg.: D.W. Taylor, 13 APR 1979.

alcaldei, *Nanivitreia* Jaume & Abbott, 1948: Revista Sociedad Malac. 6(1):5-6.

PARATYPES: LACM 1609 (12 dry), Arroyo del Naranjo, Trinidad, Cienfuegos Prov., Cuba.

arizonae, *Apachecoccus* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:32-34, fig. 15.

HOLOTYPE: LACM 2203 (wet), unnamed spring on N side of Gila River, ca. 2 mi. N of Bylas, Graham Co., Arizona, Leg.: D.W. Taylor, 20 APR 1971.

Remarks: Currently in the genus *Pyrgulopsis*.

bernardinus, *Yaquicoccus* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:34-35, fig. 16.

HOLOTYPE: LACM 2186 (wet), Cochise Co., Arizona, Leg.: D.W. Taylor, 27 JUL 1968

Remarks: Currently in the genus *Pyrgulopsis*.

brandi, *Ammicola* Drake, 1953: Jour. Washington Acad. Sci. 43(1):26-27.

PARATYPES: LACM 2231 (9 dry), Las Palomas, Distrito Galeana, Chihuahua, México, Leg.: R.J. Drake & C.C. Hoff, 15 APR 1949.

brunei, *Tryonia* (*Paupertryonia*) Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:44-45, fig. 22.

HOLOTYPE: LACM 2251 (wet), outflow of Phantom Lake Spring, at Joe Kingston Ranch, Jeff Davis Co., Texas, Leg.: D.W. Taylor, 5 NOV 1981.

chupadera, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:24-26, fig. 11.

HOLOTYPE: LACM 2218 (wet), S end of Chupadera Mountains., 5 mi. W of Bosc del Apache National Wildlife Refuge, Socorro Co., New Mexico, Leg.: D.W. Taylor, 23 APR 1979.

Remarks: Currently in the genus *Pyrgulopsis*.

davisi, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:10-12, fig. 4.

HOLOTYPE: LACM 2211 (wet), tributary of Limpia Creek, ca. 5 mi. NE of Fort Davis, Jeff Davis Co., Texas, Leg.: D.W. Taylor, 16 APR 1981.

Remarks: Currently in the genus *Pyrgulopsis*.

gilae, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:16-18, fig. 7.

HOLOTYPE: LACM 2214 (wet), springs on N side of East Fork of Gila River, Grant Co., New Mexico.

Remarks: Currently in the genus *Pyrgulopsis*.

gilae, *Tryonia* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:36-37, fig. 17.

HOLOTYPE: LACM 2187 (wet), on N side of Gila River, ca. 2 mi. N of Bylas, Graham Co., Arizona, Leg.: D.W. Taylor, 20 APR 1971.

hertleini, *Lyrodes* Drake, 1956: Bull. So. Calif. Acad. Sci. 55(1):44-46.

PARATYPES: LACM 1657 (2 dry), Las Palomas, Chihuahua, México, Leg.: R.J. Drake, 14 APR 1949.

kolobensis, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:19-20, fig. 8.

HOLOTYPE: LACM 2216 (wet), Toquerville Springs, Washington Co., Utah, Leg.: D.W. Taylor, 13 NOV 1984.

Remarks: Currently in the genus *Pyrgulopsis*.

kosteri, *Tryonia* (*Paupertryonia*) Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:45-47, fig. 23.

HOLOTYPE: LACM 2252 (wet), Sago Spring, Chaves Co., New Mexico, Leg.: D.W. Taylor, 29 OCT 1981.

letsoni, *Amnicola* Walker, 1901: The Nautilus 14(10):113-114.

SYNTYPES: LACM 2023 (3 dry), Goat Id., Niagara River, Niagara Co., New York, Leg.: E. J. Letson.

metcalfi, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:12-14, fig. 5.

HOLOTYPE: LACM 2212 (wet), Naegele Springs, 5.3 mi. NNW of Ruidosa, Presidio Co., Texas, Leg.: D.W. Taylor, 15 APR 1981.

Remarks: Currently in the genus *Pyrgulopsis*.

pecosensis, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:27-28, fig. 12.

HOLOTYPE: LACM 2220 (wet), Blue Spring, Eddy Co., New Mexico, Leg.: D.W. Taylor, 20 APR 1981.

Remarks: Currently in the genus *Pyrgulopsis*.

pinetorum, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:20-21, fig. 9.

HOLOTYPE: LACM 2217 (wet), spring tributary to Leeds Creek, Washington Co., Utah, Leg.: D.W. Taylor, 13 NOV 1984.

Remarks: Currently in the genus *Pyrgulopsis*.

roswellensis, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:14-16, fig. 6.

HOLOTYPE: LACM 2213 (wet), seepage, Chaves Co., New Mexico, Leg.: D.W. Taylor.

Remarks: Currently in the genus *Pyrgulopsis*.

stocktonensis, *Tryonia* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:37-38, fig. 18.

HOLOTYPE: LACM 2090 (wet), Diamond Y Draw, 9 mi. N of Fort Stockton, 0.5 mi. W of State Highway. 18, Pecos Co., Texas, Leg.: D.W. Taylor, 27 OCT 1984.

thermalis, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:28-30, fig. 13.

HOLOTYPE: LACM 2224 (wet), E side of Gila River, Grant Co., New Mexico, Leg.: D.W. Taylor, 10 APR 1981.

Remarks: Currently in the genus *Pyrgulopsis*.

trivialis, *Fontelicella* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:30-32, fig. 14.

HOLOTYPE: LACM 2225 (wet), Apache Co., Arizona, Leg.: D.W. Taylor, 5 NOV 1980.

Remarks: Currently in the genus *Pyrgulopsis*.

Family Elachisinidae Ponder, 1985

floridanus, *Microdonchus* Rehder, 1943: Proc. USNM 93(3161):193-194.

PARATYPES: LACM 1317 (11 dry); **PARATYPES:** LACM 2059 (7 dry), Missouri Key, Monroe Co., Florida, Leg.: B.R. Bales.

Remarks: Currently in the genus *Elachisina*.

hertleini, *Rissoella* Smith & Gordon, 1948: Proc. Calif. Acad. Sci., 4th ser., 26(8):224-225.

PARATYPE: LACM 1003 (1 dry), 18 m, off Cabrillo Pt., Monterey Bay, Monterey Co., California, Leg.: A.G. Smith, JUL 1913.

Remarks: Currently in the genus *Elachisina*.

Family Assimineidae H. Adams & A. Adams, 1856

pecos, *Assimineea* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:8-9, fig. 2.

HOLOTYPE: LACM 2088 (dry), seepage on Bitter Lake National Wildlife Refuge, Chaves Co., New Mexico, Leg.: D.W. Taylor, 5 MAY 1981.

takanoshimana, *Omphalotropis japonica* Pilsbry, 1924: Proc. Acad. Nat. Sci. Philadelphia 76:13.

PARATYPES: LACM 2020 (6 dry), Takanoshima, Japan

Family Pomatiopsidae Stimpson, 1865

hinkleyi, *Pomatiopsis* Pilsbry, 1896b: The Nautilus 10(4):37-38.

PARATYPES: LACM 2055 (16 dry), Black Falls, above Florence, Lauderdale Co., Alabama, Leg.: A.A. Hinkley, 1894.

Remarks: Junior synonym of *Pomatiopsis lapidaria* (Say, 1817).

Family Tornidae Sacco, 1896

bakeri, *Circulus* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):240-241.

PARATYPE: LACM 1740 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Solariorbis*.

bartschi, *Cyclostrema* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):240.

PARATYPE: LACM 1739 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Cyclostremiscus*. Junior synonym of *S. veleronis* (Strong & Hertlein, 1947).

chamizal, *Cyclostremiscus* Myers, Hertz, & Gemmell, 1991: Venus 50(1):31-33.

PARATYPE: LACM 2368 (1 dry), 18-27 m, N side Bahía de las Banderas, 2-5 mi. SE Punta de Mita & off La Cruz, Jalisco, México (20°45'N, 105°30'W), Leg.: J.H. McLean, C. Miller, A.M. Keen, R/V *Gringa*, 20-24 MAR 1965.

cornis, *Cochliolepis* Hertz, Myers, & Gemmell, 1992: The Veliger 35(1):70-71.

PARATYPES: LACM 2576 (6 dry), Bahía San Felipe, Golfo de California, Baja California, México (31°03'N, 114°48'W), Leg.: J. Gemmell, 1965-1976.

cortezi, *Solariorbis* Myers, Hertz, & Gemmell, 1991: Venus 50(1):33-34.

PARATYPE: LACM 2369 (1 dry), Low intertidal, Bahía Concepción, Golfo de California, Baja California Sur, México (26°42'N, 111°55'W), Leg.: R. Maynard, JUN 1963

eshnauri, *Vitrinella* (*Vitrinellops*) Bartsch, 1907: Proc. USNM 32(1520):168.

PARATYPES: LACM 2165 (5 dry), Off Terminal Id., Los Angeles Co., California, Leg.: W.H. Eshnaur.

Remarks: *Ex* UCLA 20969.

hannai, *Delphinoidea* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):242-243.

PARATYPE: LACM 1741 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Solariorbis*.

hemphilli, *Teinostoma* (?*Teinostoma*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):244.

PARATYPE: LACM 1742 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

mccullochae, *Cyclostrema* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):239.

PARATYPES: LACM 1738 (2 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Solariorbis*. Junior synonym of *Solariorbis concinnus* (C.B. Adams, 1852).

ochsneri, *Teinostoma* (*Pseudorotella*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):244-245.

PARATYPE: LACM 1743 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

salvatierrensis, *Cyclostremiscus* Hertz, Myers, & Gemmell, 1992: The Veliger 35(1):71-72.

PARATYPES: LACM 2577 (2 dry), Bahía Cuastecomate, 3 air mi. NW of Barra de Navidad, Jalisco, México (65°16.8'N, 104°44.88'W, Leg.: J.H. McLean, P.M. Oringer, & G. Radwin, 21 OCT 1968; **PARATYPE:** LACM 2578 (1 dry), Off anchorage at Bahía de los Muertos, Golfo de California, Baja California Sur, México (23°58'N, 109°46'W), Leg.: J.H. McLean, P.M. Oringer, & L. Marinovich, 8 APR 1966; **PARATYPE:** LACM 2579 (1 dry), N side Frailes, Bahía Pulmo, Golfo de California, Baja California Sur, México (23°24'N, 109°25.5'W), Leg.: J.H. McLean & P.M. Oringer, 6-7 APR 1966; **PARATYPE:** LACM 2580 (1 dry), Under boat anchorage at S end of Cabo Pulmo, N side Frailes, Golfo de California Sur, México (23°24'N, 109°25.5'W), Leg.: J.H. McLean, P.M. Oringer, & L. Marinovich, 6-7 APR 1966; **PARATYPE:** LACM 2581 (1 dry), 44 m, off Isla Cresciente, Bahía Magdalena, Pacific Coast Baja California Sur, México (24°19.3'N, 111°37.5'W), Leg.: R/V *Velero III*, 17 FEB 1936; **PARATYPE:** LACM 2582 (1 dry), Bahía Cocos, S of Puerto Culebra, Guanacaste Prov., Costa Rica, Leg.: R/V *Velero III*, 13 MAR 1933; **PARATYPES:** LACM 2583 (3 dry), Off Punta Arena, Golfo de California, Baja California Sur, México (23°32'N, 109°28'N), Leg.: J.H. McLean, P.M. Oringer, & L. Marinovich, 7 APR 1966; **PARATYPES:** LACM 2584 (5 dry), Off the house and hotel at Los Tezos Ranch, 1.5 mi. S of Punta Arena, Golfo de California, Baja California Sur, México (23°31'N, 109°29'W), Leg.: J.H. McLean, 2 FEB 1971; **PARATYPE:** LACM 2585 (1 dry), Bahía Partida, between Isla Partida & Isla Espíritu Santo, Golfo de California, Baja California Sur, México (24°31'N, 110°23'W), Leg.: J.H. McLean et al., 10 APR 1966.

Family Caecidae Gray, 1850

bahiahondaense, *Caecum* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):219, 224. **PARATYPES:** LACM 1712 (2 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá Leg.: L.G. Hertlein.

boucheti, *Meioceras* Pizzini & Raines, 2011: Boll. Malacolog. 47:42-43.

PARATYPE: LACM 3133 (dry), 18-26 m, W side Arutanga, Aitutaki, Lower Cook Ids., Cook Ids. (18°52.30'N, 154°50'W).

bounty, *Caecum* Pizzini & Raines, 2011: Boll. Malacolog. 47:31-33.

PARATYPE: LACM 3132 (dry), 1 m, Ahe Atoll, Tuamotu Arch. French Polynesia (14°28'N, 146°22'E).

brennani, *Caecum* Raines & Pizzini, 2009: Boll. Malacolog. 45:117, 120, figs. 3A-D, 4B, 5B, 6C-D.

HOLOTYPE: LACM 3103 (dry); **PARATYPES:** LACM 3104-3105 (3 dry), 18.2-28.9 m, Marpi, Saipan, No. Mariana Ids. (15°17'30"N, 145°48'15"E), Leg.: B.K. Raines.

campanulatum, *Caecum* Raines & Pizzini, 2005: Iberus 12(1):62-63, fig. 12.

HOLOTYPE: LACM 3027 (dry); **PARATYPES:** LACM 3028 (2 dry), 20 m, off Hanga Nui, Isla de Pascua (= Easter Id.) (27°7.46'S, 109°16.36'W), Leg.: B.K. Raines, DEC 2000.

cooki, *Caecum* Pizzini & Raines, 2011: Bol. Malacolog. 47:29-31.

PARATYPE: LACM 3130 (1 dry), 5-20 m, of Ajer & Meno islets, NW side of Lombok, Nusa Tenggara Barat, Indonesia (28°22'S, 116°4'E); **PARATYPES:** LACM 3131 (4 dry), near Club

Mediterranean, E side of Moorea, Society Arch., French Polynesia (17°30'S, 149°46'W).

danielei, *Caecum* Pizzini & Raines, 2011: Boll. Malacolog. 47:25-26.

PARATYPE: LACM 3129 (1 dry), 34 m, 1 mi. W of Onna Village, Okinawa-jima, Okinawa-shoto, Ryukyu-shoto, Okinawa Pref., Japan (26°29.7'N, 127°50.60'E).

heterochromum, *Caecum* Raines & Pizzini, 2005: Iberus 23(1):57-59, figs. 7-8.

HOLOTYPE: LACM 3021 (dry); **PARATYPES**: LACM 3022 (6 dry), 20 m, off Hanga Nui, Isla de Pascua (= Easter Id.) (27°7.46'S, 109°16.35'W), Leg.: B.K. Raines, DEC 2000.

limnetes, *Caecum* (*Micranellum*) Long, 1972: The Veliger 14(3):291.

PARATYPE: LACM 1446 (1 dry), Estero Cholla, Sonora, México (31°20.52'N, 113°36.5'W)
Leg.: Garrell Long, 23 OCT 1970.

lohri, *Micranellum* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):225-226.

PARATYPE: LACM 1714 (1 dry), 5-16 m, off Isla Taboga, Panamá Prov., Panamá, Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Caecum*.

massambabensis, *Caecum* (*Elephantulum*) Absalão, 1994: Jour. Conch. 35(2):138-139.

PARATYPE: LACM 2431 (1 dry), 31 m, off Massambaba Beach, Rio de Janeiro State, Brazil (22°57'30"S, 42°19'30"W), Leg.: Brazilian Naval R/V *Suboficial Oliveira*, 25 MAR 1986.

moorei, *Fartulum* Marinovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull. 16:30-31, fig. 64.

HOLOTYPE: LACM 1591 (dry); **PARATYPES**: LACM 1592 (1050 dry), 0 m, intertidal, Iquique, Tarapaca Prov., Chile (20°13'S, 70°10'W), Leg.: L. Marinovich, AUG 1964.

pascuanum, *Caecum* Raines & Pizzini, 2005: Iberus 23(1):60-61, fig. 9.

HOLOTYPE: LACM 3023 (dry); **PARATYPE**: LACM 3024 (1 dry), 15 m, in cave off Hanga Teo, Isla de Pascua (= Easter Id.) (27°3.37'S, 109°21.58'W), Leg.: B.K. Raines, DEC 2000.

rapanuiense, *Caecum* Raines & Pizzini, 2005: Iberus 23(1):61-62, fig. 10.

HOLOTYPE: LACM 3025 (dry); **PARATYPES**: LACM 3026 (2 dry), 30 m, off Tahai, Isla de Pascua (= Easter Id.) (27°7.20'S, 109°26.30'W), Leg.: B.K. Raines, DEC 2000.

rehderi, *Caecum* Raines & Pizzini, 2005: Iberus 23(1):52-55, fig. 2.

HOLOTYPE: LACM 3019 (dry); **PARATYPE**: LACM 3020 (1 dry), 10-20 m, Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.) (27°4.18'S, 109°19.45'W), Leg.: B.K. Raines, APR 1988.

richthofeni, *Caecum* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):224-225.

PARATYPE: LACM 1713 (1 dry), 5-16 m, off Isla Taboga, Panamá Prov., Panamá, Leg.: L.G. Hertlein.

skoglundae, *Caecum* Pizzini, Raines, & Nofroni, 2007: Iberus 25(2):2-6, figs. 1A-F.

HOLOTYPE: LACM 3063 (dry); **PARATYPES**: LACM 3064(3 dry), Punta Chame, Bahía de Panamá, Panamá Prov., Panamá 8°41'N, 79°39'W), Leg.: D.R. Shasky, JUN 1977.

tahitianum, *Caecum* Pizini & Raines, 2011: Boll. Malacolog. 47:27-28.

PARATYPE: LACM 3134 (1 dry), Tiarei, Tahiti, Society Archipelago, French Polynesia, Leg.: J. Letournex.

Superfamily STROMBOIDEA Rafinesque, 1815

Family Strombidae Rafinesque, 1815

nanus, *Strombus (Tricornis) raninus* Bales, 1942: The Nautilus 56(1):19.

PARATYPE: LACM 1358 (1 dry), Lake Worth, Palm Beach Co., Florida

Remarks: Junior synonym of *Strombus raninus* Gmelin, 1791.

Superfamily VANIKOROIDEA Gray, 1840

Family Vanikoridae Gray, 1840

schmiederi, *Megalomphalus* McLean, 1995: Tax. Atlas Benthic Fauna Santa Maria Basin & W. Santa Barbara Ch. 9(2)(1):51, fig. 1.9B.

HOLOTYPE: LACM 2777 (dry); **PARATYPES:** LACM 2778 (56 dry), 37-55 m, unnamed bank WSW of Pt. Sur, Monterey Co., California (approx. 36°17'N, 21°58'W), Leg.: R.W. Schmieder, R/V *Cordell Explorer*, SEP 1988-OCT 1989.

Family Haloceratidae Warén & Bouchet, 1991

rugosa, *Haloceras* Warén & Bouchet, 1991: Mem. Mus. Natn. Hist. Nat., Paris (A)150:145-147, figs. 72-73, 91-92.

HOLOTYPE: LACM 2279 (dry), 457 m, 8 mi. NW of Isla Santa Maria (= Charles Id.), Islas Galápagos (1°09'S, 90°36'W), Leg.: R/V *Velero III*, 23 JAN 1938.

Superfamily CALYPTREAOIDEA Lamarck, 1809

Family Calyptraeidae Lamarck, 1809

coei, *Crepidula* Berry, 1950: Leaflets in Malacology 1(8):35-39.

PARATYPE: LACM 1008 (1 dry), Near Sunset Beach, Orange Co., California, Leg.: E.P. Chace.

naticarum, *Crepidula rugosa* Williamson, 1905a: The Nautilus 19(5):50.

SYNTYPES: LACM 1026 (2 dry), San Pedro, Los Angeles Co., California.

Remarks: Junior synonym of *Crepidula onyx* Sowerby, 1824.

norrisiarum, *Crepidula rugosa* Williamson, 1905a: The Nautilus 19(5):50-51.

SYNTYPES: LACM 1027 (4 dry), San Pedro, Los Angeles Co., California.

Remarks: Junior synonym of *Crepidula onyx* Sowerby, 1824.

Superfamily CAPULOIDEA Fleming, 1822

Family Capulidae Fleming, 1822

octocarinatus, *Trichosirius* Powell, 1931: Rec. Canterbury Mus. 3(6):376.

PARATYPE: LACM 1359 (1 dry), 91 m, Bounty Ids., New Zealand.

Remarks: Currently in the genus *Trichotropis*.

Superfamily XENOPHOROIDEA Troschel, 1852

Family Xenophoridae Troschel, 1852

tulearensis, *Xenophora* Stewart & Kosuge, 1993: Bull. Inst. Malac., Tokyo 3(1):4-5.

PARATYPE: LACM 2716, Tulear, Toliara Prov., Madagascar.

Superfamily CYPRAEOIDEA Rafinesque, 1815

Family Cypraeidae Rafinesque, 1815

dayritiana, *Cypraea* Cate, 1963: The Veliger 5(4):141-142.

PARATYPES: LACM 2025 (2 dry), Demang Id., Calamian Group, Palawan Prov., Philippines
Leg.: J. Norton, 26 MAY 1962.

Remarks: Currently in the genus *Blasicrura* fide Lorenz & Hubert (2000).

eugeniae, *Notadusta* Cate, 1975: The Veliger 17(3):260, fig. 5.

HOLOTYPE: LACM 1704 (dry), Hopetoun, Western Australia (38°07'S, 144°27'E).

Remarks: Junior synonym of *Erronea xanthodon* (Sowerby, 1832) fide Lorenz & Hubert (2000). Incorrect coordinates cited by Cate, correct coordinates = ca. 33°57'S, 120°7'E.

garciai, *Cribrarula* Lorenz & Raines, 2001: La Conchiglia 33(299):27-29, pl. 1.

HOLOTYPE: LACM 2898 (dry), 30 m, cave roof, near Hanga Roa, Hanga Roa Bay, Isla de Pascua (= Easter Id.) (ca. 27°8.15'S, 109°26.45'W), M. Garcia, SUM 200.

gregori, *Cypraea cruenta* Ford, 1893: The Nautilus 6(10):112-113.

PARATYPE: LACM 2397 (1 dry), "Ceylon" [= Sri Lanka].

Remarks: Junior synonym of *Ovatipsa coloba* (Melvill, 1888) fide Lorenz & Hubert (2000).

maricola, *Pustularia* Cate, 1976a: The Veliger 18(4):383, fig. 3.

HOLOTYPE: LACM 1706 (dry), Santa Cruz, Marinduque Prov., Philippines (13°28'N, 122°01'E), Leg.: R.M. Lumawig, 28 FEB 1964.

Remarks: Junior synonym of *Nesiocypraea lisetae* (Kilburn, 1975) fide Lorenz & Hubert (2000).

perlae, *Zoila* Lopez & Chiang, 1975: The Veliger 18(1):84, figs. 1a-c, 2b.

HOLOTYPE: LACM 1558 (dry), 182-274 m, 18 deg. to 25 deg. S paralleling the off-shore coast of North West Cape, Western Australia (21°00'S, 114°10'E).

Remarks: Erroneously published as LACM 1706.

piscatorum, *Erronea (Ajusta)* Schilder, 1965: Arch. Moll. 94(3/4):148-149, fig. 2.

PARATYPE: LACM 2081 (1 dry), Kii-suido, Wakayama Pref., Japan, NOV 1963.

Remarks: Junior synonym of *Erronea subviridis* (Reeve, 1835) fide Lorenz & Hubert (2000).

takahashii, *Pustularia cicercula* Moretzsohn, 2007: Viasaya 2(1):44-46.

PARATYPES: LACM 3051 (4 dry), Haleiwa, Waialua Dist., O'ahu, Hawai'i, Hawaiian Ids.

Family Ovulidae Fleming, 1822

aboriginea, *Margovula* Cate, 1973: The Veliger, v. 15 supplement, p. 20.

PARATYPE: LACM 1893 (1 dry), Gerialia [= Giralia], Exmouth Gulf, Western Australia (22°00'S, 114°15'E). , Leg.: L. Figges.

Remarks: Currently in the genus *Diminovula* fide Lorenz & Fehse (2009). Incorrect latitude cited by Cate, correct latitude = 22°19'S.

advena, *Spiculata* Cate, 1978a: The Nautilus 92(4):164, fig. 6.

HOLOTYPE: LACM 1794 (dry), Off Sand Key, 7 mi. SW of Key West, Monroe Co., Florida (24°33'N, 81°47'W).

albomarginata, *Pseudosimnia* (*Pseudosimnia*) Cate, 1978b: Venus 37(4):195-196, pl. 2, fig. 5.

HOLOTYPE: LACM 1841 (dry), Malaita Id., Solomon Ids. (9°00'S, 161°00'E).

Remarks: Junior synonym of *Pseudosimnia pyrulina* (A. Adams, 1854) fide Lorenz & Fehse (2009).

alleneae, *Cyphoma* Cate, 1973: The Veliger, v. 15 supplement, p. 67-68, fig. 151, pl. 4, fig. 151c.

HOLOTYPE: LACM 1292 (dry), Missouri Key, Monroe Co., Florida (24°40'N, 81°10'W) 7 JUL 1957.

allynsmithi, *Aperiovula* Cate, 1978b: Venus 37(4):197-198, pl. 2, fig. 7.

HOLOTYPE: LACM 1834 (dry) 80 m, off Wakayama, Kii-suido, Wakayama Pref., Honshu, Japan (31°10'N, 135°15'E).

Remarks: Currently in the genus *Cuspidovulva* fide Fehse (2001). Incorrect coordinates cited by Cate, correct latitude = ca. 34°10'N, 135°05'E.

aurantiomaculata, *Pseudosimnia* (*Diminovula*) Cate & Azuma in Cate, 1973: The Veliger, v. 15 supplement, p. 27.

PARATYPE: LACM 2228 (1 dry), 73 m, off Hinomi-saki, Kii-hanto, Wakayama Pref., Honshu, Japan, Leg.: Shiago Habo, 17 FEB 1973.

Remarks: Currently in the genus *Diminovula* fide Fehse (2001).

azumai, *Primovula* (*Primovula*) Cate, 1970: The Veliger 13(2):181.

PARATYPE: LACM 1872 (1 dry), 30-40 m, 2-3 km off Kirime-zaki, Kii-suido, Wakayama Pref., Honshu, Japan, Leg.: Eizo Azuma, 3 JAN 1971

Remarks: Currently in the genus *Dentiovulva* fide Lorenz & Fehse (2009).

basilia, *Galeravolva* Cate, 1978b: Venus 37(4):191-192, pl. 1, fig. 1.

HOLOTYPE: LACM 1829 (dry), 80 m, off Wakayama, Kii-suido, Wakayama Pref., Honshu, Japan (31°10'N, 135°15'E).

Remarks: Incorrect latitude cited by Cate, correct coordinates = ca. 34°10'N, 135°05'E. Currently in the genus *Habuprionovolva* fide Lorenz & Fehse (2009).

bellica, *Primovula* (*Primovula*) Cate, 1973: The Veliger, v. 15 supplement, p. 41, fig. 83.

HOLOTYPE: LACM 1189 (dry), 4 m, Bataan Peninsula, Manila Bay, Bataan Prov., Luzon Id., Philippines (14°40'N, 120°25'E), 31 DEC 1964; **PARATYPE:** LACM 1863 (1 dry), Palawan Prov., Philippines, 4 MAR 1969.

Remarks: Currently in the genus *Cuspidolva* fide Lorenz & Fehse (2009). Incorrect longitude cited by Cate, correct longitude = ca. 120°35'E.

bijuri, *Spiculata* Cate, 1976a: The Veliger 18(4):384, fig. 1.

HOLOTYPE: LACM 1708 (dry), 48 m, SE of Key West, Monroe Co., Florida (24°33'N, 81°47'W), JAN 1970.

Remarks: Currently in the genus *Neosimnia* fide Lorenz & Fehse (2009).

bratcherae, *Cymbula* Cate, 1973: The Veliger, v. 15 supplement, p. 81-82, fig. 180.

HOLOTYPE: LACM 1610 (dry), Pulmo Reef, Golfo de California, Baja California Sur, México (23°12'N, 109°32'W), Leg.: Twila Bratcher, APR 1961.

Remarks: Junior synonym of *Simnialena rufa* (Sowerby, 1832) fide Lorenz & Fehse (2009).

cardini, *Dentiovula* Cate, 1978b: Venus 37(4):193-194 pl. 1, fig. 3.

HOLOTYPE: LACM 1832 (dry), 80 m, off Wakayama, Kii-suido, Wakayama Pref., Honshu, Japan (31°10'N, 135°15'E).

Remarks: Incorrect coordinates cited by Cate, correct coordinates = ca. 34°10'N, 135°05'E. Junior synonym of *Dentiovula colobica* (Azuma & Cate, 1971) fide Lorenz & Fehse (2009).

castanea, *Prionovolva* Cate, 1978a: The Nautilus 92(4):160-161, fig. 1.

HOLOTYPE: LACM 1789 (dry), Gulf of Oran, Ouahran Dept., Algeria (35°45'N, 0°38'W).

conspicua, *Crenavolva* (*Crenavolva*) Cate, 1975: The Veliger 17(3):258, fig. 9.

HOLOTYPE: LACM 1705 (dry), 91 m, off Nada, Kii-suido, Wakayama Pref., Honshu, Japan (34°00'N, 134°48'E).

Remarks: Junior synonym of *Rotaovula septemacula* (Azuma, 1974) fide Lorenz & Fehse (2009).

coroniola, *Pseudosimnia* (*Inflatovula*) Cate, 1973: The Veliger, v. 15 supplement, p. 31.

PARATYPE: LACM 1867 (1 dry), 64 m, off Tonda, Wakayama Pref., Honshu, Japan, Leg.: S. Habei, OCT 1971.

Remarks: Currently in the genus *Diminovula* fide Lorenz & Fehse (2009).

culmen, *Pseudosimnia* (*Inflatovula*) Cate, 1973: The Veliger, v. 15 supplement, p. 33.

PARATYPE: LACM 1866 (1 dry), Kii-suido, off Kii-hanto, Wakayama Pref., Honshu, Japan (34°00'N, 134°48'E), 13 MAY 1972.

Remarks: Currently in the genus *Diminovula* fide Lorenz & Fehse (2009).

diadema, *Dentiovula* Cate, 1978b: Venus 37(4):194-195, pl. 1, fig. 4.

HOLOTYPE: LACM 1835 (dry), 80 m, off Wakayama, Kii-suido, Wakayama Pref., Honshu, Japan (31°10'N, 135°15'E)

Remarks: Incorrect coordinates cited by Cate, correct coordinates = ca. 34°10'N, 135°05'E. Junior synonym of *Dentiovula colobica* (Azuma & Cate, 1971) fide Lorenz & Fehse (2009).

dolabra, *Delonovolva* Cate, 1974: The Veliger 16(4):383-384, fig. 5.

HOLOTYPE: LACM 1557 (dry), 91 m, off Hinomi-saki, Kii-suido, Wakayama Pref., Honshu, Japan (34°00'N, 134°48'E), Leg.: S. Habu, MAR 1971

Remarks: Currently in the genus *Dissona* fide Fehse (2001).

eizoi, *Dentiovula* Cate & Azuma in Cate, 1973: The Veliger, v. 15 supplement, p. 16.

PARATYPE: LACM 1870 (1 dry), 55-91 m, 2-3 km off Kirime-zaki, Kii-suido, Wakayama

Prof., Honshu, Japan (34°00'N, 134°48'E), Leg.: E. Azuma, 3 JAN 1971.

emersoni, *Aperiovula* Cate, 1973: The Veliger, v. 15 supplement, p. 39-40.

PARATYPE: LACM 1890 (2 dry), Melilla, Spain (on Moroccan mainland), 5 NOV 1958.

Remarks: Junior synonym of *Pseudosimnia adriatica* (Sowerby, 1828) fide Lorenz & Fehse (2009).

figgisae, *Xandarovula* Cate, 1973: The Veliger, v. 15 supplement, p. 36.

PARATYPE: LACM 1869 (1 dry), Gerialia [= Giralia], Exmouth Gulf, North West Cape, Western Australia, 1967.

Remarks: Junior synonym of *Ovula ovum* (Linné, 1758) fide Lorenz & Fehse (2009).

gibbulum, *Pseudocyphoma* Cate, 1978a: The Nautilus 92(4):165-166, fig. 9.

HOLOTYPE: LACM 1793 (dry), 18 m, off the Dry Tortugas Ids., Monroe Co., Florida (24°40'N, 82°55'W).

Remarks: Junior synonym of *Neosimnia arcuata* (Reeve, 1865) fide Lorenz & Fehse (2009).

greenbergae, *Phenacovolva* (*Turbovula*) Cate, 1974: The Veliger 16(4):382-383, fig. 3.

HOLOTYPE: LACM 1556 (dry), 80 m, off Kao-hsiung, Kao Hsiung Co., Taiwan (22°44'N, 120°21'E), 13 SEP 1973.

Remarks: Junior synonym of *Quasisimnia hirasei* (Pilsbry, 1913) fide Lorenz & Fehse (2009).

howlandae, *Primovula* (*Primovula*) Cate, 1974: The Veliger 16(4):381-382.

PARATYPE: LACM 1864 (1 dry), Clairview (= MacKay), Queensland, Australia (22°07'S, 149°32'E), 8 AUG 1973.

Remarks: Incorrect coordinates cited by Cate, correct coordinates = 21°06'S, 149°10'W. Currently in the genus *Cuspivolva* fide Lorenz & Fehse (2009).

iberia, *Aperiovula adriatica* Cate, 1973: The Veliger, v. 15 supplement, p. 37, fig. 72.

HOLOTYPE: LACM 1607 (dry), Golfo de Cadiz, Cadiz Prov., Spain (36°33'N, 6°12'W);

PARATYPE: LACM 1897 (1 dry), Neapolis, Peloponnesos, Greece, 1965.

Remarks: Junior synonym of *Pseudosimnia adriatica* (Sowerby, 1828) fide Lorenz & Fehse (2009).

imitabilis, *Crenavolva* (*Serratovolva*) Cate, 1973: The Veliger, v. 15 supplement, p. 54, fig. 112.

HOLOTYPE: LACM 1608 (dry), Ogokuda Beach, Shio-no-misaki, Kii-suido, Wakayama Pref., Honshu, Japan (34°00'N, 134°48'E).

Remarks: Junior synonym of *Serratovolva dondani* (Cate, 1964) fide Lorenz & Fehse (2009).

jeanae, *Aperiovula* Cate, 1973: The Veliger, v. 15 supplement, p. 37, figs. 73, 73c.

HOLOTYPE: LACM 1187 (dry), Enshu-nada, between Izu-hanto & Ise-wan, Honshu, Japan (34°00'N, 139°30'E), 10 DEC 1969; **PARATYPE:** LACM 1898 (1 dry), 146-183 m, off Tosa, Tosa-wan, Kochi Pref., Shikoku, Japan, 19 JUL 1970.

Remarks: Currently in the genus *Pseudosimnia* fide Fehse (2001).

kosugei, *Margovula* Cate, 1973: The Veliger, v. 15 supplement, p. 17-18.

PARATYPE: LACM 1892 (1 dry), 65-67 m, off Joga-shima, Sagami-wan, Chiba Pref., Honshu, Japan, 13 MAY 1973.

Remarks: Currently in the genus *Diminovula* fide Lorenz & Fehse (2009).

kurziana, *Cymbovula* Cate, 1976b: The Veliger 19(2):161-162, fig. 3.

HOLOTYPE: LACM 1764 (dry), Malaita Id., Solomon Ids. (9°00'S, 161°00'E).

Remarks: Currently in the genus *Naviculavolva* fide Lorenz & Fehse (2009).

macleani, *Delonovola* Cate, 1976b: The Veliger 19(2):159, fig. 5.

HOLOTYPE: LACM 1772 (dry), 54-137 m, small islets off Punta Quepos, Puntarenas Prov., Costa Rica (9°22.72'N, 84°09.68'W), Leg.: J.H. McLean, R/V *Searcher*, 11-13 MAR 1972.

Remarks: Currently in the genus *Neosimnia* fide Fehse (2001).

malaita, *Cymbovula* Cate, 1976b: The Veliger 19(2):161, fig. 2.

HOLOTYPE: LACM 1771 (dry); **PARATYPE:** LACM 1874 (1 dry), Malaita Id., Solomon Ids. (9°00'S, 161°00'E).

Remarks: Currently in the genus *Naviculavolva* fide Lorenz & Fehse (2009).

marferula, *Simnialena* Cate, 1973: The Veliger, v. 15 supplement, p. 75, fig. 165.

HOLOTYPE: LACM 1293 (dry), Gulf Beach, Port Aransas, Mustang Id., Nueces Co., Texas (24°45'N, 97°50'W).

Remarks: Incorrect coordinates cited by Cate, correct coordinates = ca. 27°45'N, 97°05'W.

masaoui, *Dentiovula* Cate, 1973: The Veliger, v. 15 supplement, p. 15.

PARATYPE: LACM 1871 (1 dry), 73-91 m, 2-3 km off Kirime-zaki, Kii-suido, Wakayama Pref., Honshu, Japan (34°00'N, 134°48'E).

meyeriana, *Aperiovula* Cate, 1973: The Veliger, v. 15 supplement, p. 38, fig. 75.

HOLOTYPE: LACM 1186 (dry); **PARATYPE:** LACM 1891 (1 dry), Mikawa-wan, Aichi Pref., Honshu, Japan (34°40'N, 137°00'E), 8 JAN 1969.

Remarks: Currently in the genus *Sandalia* fide Lorenz & Fehse (2009).

nielsenii, *Pseudosimnia* (*Diminovula*) Cate, 1976a: The Veliger 18(4):383-384, fig. 2.

HOLOTYPE: LACM 1707 (dry), 8 m, Keppel Bay, Queensland, Australia (23°10'S, 150°49'E), Leg.: T. Nielsen, 20 MAY 1975.

Remarks: Currently in the genus *Diminovula* fide Fehse (2001).

nimbosa, *Galeravolva* Cate, 1978: Venus 37(4):192-193, pl. 1, fig. 2.

HOLOTYPE: LACM 1830 (dry), 70-90 m, off Wakayama, Kii Strait, Wakayama Pref., Honshu, Japan (31°10'N, 135°15'E).

Remarks: Currently in the genus *Habuprionovolva* fide Fehse (2001). Incorrect coordinates cited by Cate; correct coordinates = 34°10'N, 135°05'E.

ostheimeriae, *Crenavolva* (*Cuspivolva*) Cate, 1973: The Veliger, v. 15 supplement, p. 58.

PARATYPE: LACM 1868 (1 dry), 18-29 m, Geelvink Bay, ca. 1 mi. SE of Cape Dgaroewawoffi, Yapen Id., Irian Jaya, Papua-New Guinea (2°30'S, 135°30'E), Leg.: Osteimer Orr, Powell Exped., 13 FEB 1956.

Remarks: Currently in the genus *Cuspivolva* fide Fehse (2001).

periopsis, *Crenavolva* (*Crenavolva*) Cate, 1978a: The Nautilus 92(4):163-164, fig. 5.

HOLOTYPE: LACM 1791 (dry), Soerabaja, Java, Indonesia (7°22'S, 112°40'E).

Remarks: Junior synonym of *Crenavolva virgo* (Azuma & Cate, 1971) fide Lorenz & Fehse (2009).

platysia, *Primovula* (*Primovula*) Cate, 1973: The Veliger, v. 15 supplement, p. 42-43.

PARATYPE: LACM 1862 (dry), Mackay, Queensland, Australia, Leg.: J. Howland, FEB 1973.

Remarks: Currently in the genus *Cuspidolva* fide Lorenz & Fehse (2009).

pontia, *Aperiovula* Cate, 1975: The Veliger 17(3):255-256, fig. 2.

HOLOTYPE: LACM 1701 (dry); **PARATYPE:** LACM 1889 (1 dry), 137 m, off Hinomi-saki, Kii-suido, Wakayama Pref., Honshu, Japan (34°00'N, 134°48'E), Leg.: S. Habu, SEP 1973.

Remarks: Junior synonym of *Sandalia tritcea* (Lamarck, 1810) fide Lorenz & Fehse (2009).

pustulata, *Cypraea* Lightfoot, 1786: Cat. Portland Mus., p. 106.

NEOTYPE: LACM 1422 (1 dry), designated by Cate (1973:5, fig. 2), The Veliger, v. 15 supplement. Puertecitos, Golfo de California, Baja California, México, MAR 1960.

Remarks: Currently in the genus *Jenneria*.

quaylei, *Simnia* Lowe, 1935: Trans. San Diego Soc. Nat. Hist. 8(6):22, pl. 3, fig. 5.

HOLOTYPE: LACM 2163 (dry); **PARATYPES:** LACM 2164 (2 dry), 0 m, intertidal, San Felipe, Golfo de California, Baja California, México, Leg.: H.N. Lowe, 1933.

Remarks: Junior synonym of *Neosimnia arcuata* (Reeve, 1865) fide Lorenz & Fehse (2009). Holotype *ex* UCLA 3388, paratypes *ex* UCLA 3389.

rhomba, *Cyphoma* Cate, 1978a: The Nautilus 92(4):164-165, figs. 7-8.

HOLOTYPE: LACM 1792 (dry), 18 m, Fort Lauderdale Reef, Broward Co., Florida (27°00'N, 80°00'W), Leg.: W. Chapman, 20 FEB 1971.

robertsoni, *Aperiovula* Cate, 1973: The Veliger, v. 15 supplement, p. 39.

PARATYPE: LACM 1895 (1 dry), 80 m, off Kaohsiung, Kao Hsiung Co., Taiwan.

Remarks: Currently in the genus *Quasisimnia* fide Lorenz & Fehse (2009).

rutherfordiana, *Primovula* (*Adamantia*) Cate, 1973: The Veliger, v. 15 supplement, p. 47.

PARATYPE: LACM 1865 (1 dry), Townsville, Queensland, Australia (19°14'S, 146°45'E), Leg.: T. Neilsen, MAY 1969.

Remarks: Currently in the genus *Dentiovula* fide Lorenz & Fehse (2009).

segaliana, *Cymbovula* Cate, 1976b: The Veliger 19(2):160-161, fig. 1.

HOLOTYPE: LACM 1770 (dry), Pinang Id., Pinang, Malaysia (5°25'N, 100°15'E).

Remarks: Junior synonym of *Cuspidolva queenslandica* (Cate, 1974) fide Lorenz & Fehse (2009).

shikamai, *Aperiovula* Cate, 1973: The Veliger, v. 15 supplement, p. 37-38.

PARATYPE: LACM 1894 (1 dry), Between Ise-wan, Aichi Pref. and Izu-hanto, Shizuoka Pref., Honshu, Japan (34°44'N, 136°44'E), 1968.

Remarks: Currently in the genus *Pseudosimnia* fide Lorenz & Fehse (2009).

spectabilis, *Dentiovula* Cate, 1975: The Veliger 17(3):257-258, fig. 8.

HOLOTYPE: LACM 1702 (dry), 18 m, off Hinomi-saki, Kii Strait, Wakayama Pref., Honshu, Japan (34°00'N, 143°48'E).

Remarks: Junior synonym of *Dentiovula eizoi* Cate & Azuma *in* Cate, 1973 fide Lorenz & Fehse (2009).

sphaera, *Globovula* Cate, 1973: The Veliger, v. 15 supplement, p. 22-23.

PARATYPE: LACM 1888 (1 dry), 4 m, Singapore.

stigma, *Pseudosimnia* (*Inflatovula*) Cate, 1978b: Venus 37(4):196-197, pl. 2, fig. 6.

HOLOTYPE: LACM 1831 (dry), 80 m, off Wakayama, Kii-suido, Wakayama Pref., Honshu, Japan (31°10'N, 135°15'E).

Remarks: Currently in the genus *Diminovula* fide Lorenz & Fehse (2009). Incorrect coordinates cited by Cate, correct coordinates = 34°10'N, 135°05'E.

stohleri, *Stohleroma* Cate, 1973: The Veliger, v. 15 supplement, p. 47-48, fig. 97.

HOLOTYPE: LACM 1188 (dry), Ogokuda Beach, Shio-no-misaki, Wakayama Pref., Honshu, Japan (34°00'N, 134°48'E), DEC 1969.

Remarks: Considered a *nomen dubium* fide Lorenz & Fehse (2009:78).

striola, *Pseudosimnia* (*Diminovula*) Cate, 1973: The Veliger, v. 15 supplement, p. 28-29.

PARATYPE: LACM 1861 (1 dry), Prepara Id., SW of mouths of the Irrawaddy River, Prepara North Channel, Myanmar (= Burma).

Remarks: Currently in the genus *Diminovula* fide Fehse (2001).

takae, *Aperiovula* Cate, 1973: The Veliger, v. 15 supplement, p. 38-39.

PARATYPE: LACM 1896 (1 dry), 73-91 m, 2-3 km off Kiri-misaki, Kii Peninsula, Wakayama Pref., Honshu, Japan.

Remarks: Junior synonym of *Sandalia meyeriana* (Cate, 1973) fide Lorenz & Fehse (2009).

takaeopsis, *Aperiovula* Cate, 1978b: Venus 37(4):198, pl. 2, fig. 8.

HOLOTYPE: LACM 1833 (dry), 80 m, off Wakayama, Kii-suido, Wakayama Pref., Honshu, Japan (31°10'N, 135°15'E).

Remarks: Junior synonym of *Sandalia meyeriana* (Cate, 1973) fide Lorenz & Fehse (2009). Incorrect coordinates cited by Cate, correct coordinates = 34°10'N, 135°05'E.

tokioi, *Phenacovolva* (*Calcaria*) Cate, 1973: The Veliger, v. 15 supplement, p. 108, fig. 242.

HOLOTYPE: LACM 1190 (dry), Cooktown, Queensland, Australia (15°38'S, 145°25'E), 13 JAN 1958.

Remarks: Junior synonym of *Phenacovolva nectarea* Iredale, 1930 fide Lorenz & Fehse (2009).

uvula, *Primovula* (*Primovula*) Cate, 1978a: The Nautilus 92(4):163, fig. 4.

HOLOTYPE: LACM 1790 (dry), Moreton Bay, Queensland, Australia (27°12'S, 153°12'E), Leg.: E. Grigg.

virgo, *Primovula* Azuma & Cate, 1971: The Veliger 13(3):262-263.

PARATYPE: LACM 1873 (1 dry), 91 m, off Hino-misaki, Kii-suido, Wakayama Pref., Honshu, Japan, Leg.: S. Habu, 20 MAR 1970.

Remarks: Currently in the genus *Crenovolva* fide Fehse (2001).

whitworthi, *Pseudosimnia* (*Diminovula*) Cate, 1973: The Veliger, v. 15 supplement, p. 30.

PARATYPE: LACM 1860 (1 dry), Ogokuda Beach, Shio-no-misaki, Kii-suido, Wakayama Pref., Honshu, Japan (34°00'N, 134°48'E).

Remarks: Currently in the genus *Diminovula* fide Fehse (2001).

Superfamily VELUTINOIDEA Gray, 1840

Family Triviidae Troschel, 1863

akroterion, *Pusula* (*Dolichupis*) Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 108, fig. 80.

HOLOTYPE: LACM 1837 (dry), Coron, Palawan Prov., Philippines (12°10'N, 120°13'E), Leg.: F. Steiner.

Remarks: Currently in the genus *Trivirostra* fide Fehse (1998).

aquatana, *Niveria* (*Cleotrivia*) Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 67, fig. 78.

HOLOTYPE: LACM 1797 (dry), Bulalacao, Mindoro Oriental Prov., Mindoro Id., Philippines (12°31'N, 121°26'E).

Remarks: Considered a junior synonym of *Niveria nix* by Fehse & Grego (2004).

artema, *Decoriatrivia* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 96, fig. 88.

HOLOTYPE: LACM 1801 (dry), 59 m, Bahía Stephen, Isla San Cristobal (= Chatham Id.), Islas Galápagos (0°47'S, 89°31'W), Leg.: R/V *Velero III*, 21 JAN 1934.

Remarks: Currently in the genus/subgenus *Trivia* (*Decoriatrivia*) by Fehse (2002).

aussiorum, *Trivirostra* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 93-95, fig. 150.

HOLOTYPE: LACM 1799 (dry), Lighthouse Beach, Vlaming Head, North West Cape, Western Australia (21°50'S, 114°10'E).

Remarks: Currently in the genus *Austrotrivia* fide Fehse (2002).

austraficana, *Triviella* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 23, fig. 14.

HOLOTYPE: LACM 1827 (dry), St. Francis Bay, Cape Prov., South Africa (34°02'S, 24°58'E), Leg.: H. Boswell, DEC 1951.

boswellae, *Trivirostra* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 73, fig. 116.

HOLOTYPE: LACM 1805 (dry), Port Shepstone, Natal, South Africa (30°46'S, 30°25'E), Leg.: H. Boswell.

burius, *Decoriatrivia* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 96-97, fig. 90.

HOLOTYPE: LACM 1823 (dry), Bahía de Panama, Panamá Prov., Panamá (8°50'N, 79°15'W).

Remarks: Currently in the genus/subgenus *Trivia* (*Decoriatrivia*) fide Fehse (2002).

campus, *Pusula* (*Pusula*) Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 101-102, fig. 101.

HOLOTYPE: LACM 1808 (dry), Bahía Cholla, Sonora, México (27°88'N, 111°00'W), Leg.: A. Sorensen, 1945.

Remarks: Currently in the genus *Niveria* fide Fehse (2002). Incorrect coordinates cited by Cate, correct coordinates = 31°19.6'N, 113°37.8'W.

carabus, *Pusula* (*Pusula*) Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 100-101, fig. 99.

HOLOTYPE: LACM 1838 (dry), Golfo de Guayaquil, Guayas Prov., Ecuador (3°00'S, 80°30'W).

Remarks: Currently in the genus *Niveria* fide Fehse (2002).

cherobia, *Pusula* (*Pusula*) Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 101, fig. 100.

HOLOTYPE: LACM 1803 (dry), 18 m, Bahía Magdalena, Pacific Coast Baja California Sur, México (24°30'N, 112°00'W), Leg.: H.N. Lowe, 1931.

Remarks: Currently in the genus *Niveria* fide Fehse (2002).

citeria, *Decoriatrivia* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 97-98, fig. 93.

HOLOTYPE: LACM 1802 (dry), 55 m, Bahía James, Isla San Salvador (= James Id.), Islas Galápagos (0°10'S, 90°52'W), Leg.: R/V *Velero III*, 24 JAN 1934.

Remarks: Currently in the genus *Dolichupis* fide Fehse (2002).

clariceae, Trivirostra Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 74, fig. 119.
HOLOTYPE: LACM 1820 (dry), Jeffreys Bay, Cape Prov., South Africa (34°01'S, 24°55'E).

dumaliensis, Pseudotrivia Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 40, fig. 42.
HOLOTYPE: LACM 1796 (dry), Off Dumali Pt., Mindoro Occidental Prov., Mindoro Id., Philippines (13°17'N, 121°33'E).

Remarks: Considered a junior synonym of *Niveria nix* by Fehse & Grego (2004).

exmouthensis, Trivirostra Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 90, fig. 144.
HOLOTYPE: LACM 2230 (dry, Near Gerialia (= Giralia), Exmouth Gulf, Western Australia (22°00'S, 114°15'E), Leg.: Leslie Figgis.

Remarks: Currently in the genus *Austrotrivia* fide Fehse (2002). Originally published as LACM 1797, preoccupied. Incorrect latitude cited by Cate, correct latitude = 22°19'S.

geralia, Proerato (Sulcerato) Cate, 1977: Veliger 19(3):348-349, fig. 13.

HOLOTYPE: LACM 1763 (dry); **PARATYPE:** LACM 1875 (1 dry), Gerialia (= Giralia), Exmouth Gulf, Western Australia (22°00'S, 114°15'E), Leg.: M. Gedling & L. Figgis.

Remarks: Incorrect latitude cited by Cate, correct latitude = 22°19'S.

halians, Decoriatrivia Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 96, fig. 89.

HOLOTYPE: LACM 1822 (dry), San Jose, Escuintla Dept., Guatemala (13°57'N, 90°49'W).

Remarks: Currently in the genus *Dolichupis* fide Fehse (2002).

hispania, Trivia (Trivia) Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 30, fig. 25.

HOLOTYPE: LACM 1824 (dry), At the Rio Mino (= Mimbo) mouth, S of Pontevedra, Pontevedra Prov., Spain (42°27'N, 8°39'W).

iota, Circumscapula Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 110, fig. 154.

HOLOTYPE: LACM 1839 (dry), 18-21 m, Bahía San Carlos, Guaymas, Sonora, México (111°00'N, 27°20'W), Leg.: L. Shy.

Remarks: Currently in the genus *Dolichupis* fide Fehse (2002). Coordinates reversed by Cate, correct coordinates = 27°20'N, 111°00'W.

keehiensis, Trivirostra Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 85, fig. 137.

HOLOTYPE: LACM 1825 (dry), 45-109 m, off Ke'ehi Lagoon entrance, Honolulu Dist., O'ahu, Hawaiian Ids. (21°17'N, 157°54'W), Leg.: T. Bratcher, 11 JUL 1975.

koto, Lamellaria (Lamellaria) Schwengel, 1944: The Nautilus 58(1):17-18.

PARATYPE: LACM 1216 (1 dry), Near Bradenton Beach, Manatee Co., Florida, Leg.: A.S. Koto, 11 JAN-23 FEB 1944.

loochooensis, Pusula (Pusula) californica Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 104, fig. 106c.

HOLOTYPE: LACM 1840 (dry), Ryukyu-shoto, Japan (24°40'N, 126°10'E).

Remarks: Junior synonym of *Pusula californica* (Sowerby, 1832).

millardi, Galeatrivia Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 15-16, fig. 173.

HOLOTYPE: LACM 1843 (dry), Sea Pt., Cape Prov., South Africa (34°38'S, 19°17.60'E), Leg.: V. Millard, 2 AUG 1977.

Remarks: Currently in the genus *Triviella* fide Fehse (2002).

oshimaensis, *Trivirostra* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 73-74, fig. 117.

HOLOTYPE: LACM 1819 (dry), Oshima Id., Amami-o-shima, Amami-shoto, Japan (28°15'N, 129°15'E).

padreserrai, *Pusula* (*Pusula*) Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 105-106, fig. 109.

HOLOTYPE: LACM 1828 (dry), Bluff Cove, Palos Verdes Peninsula, Los Angeles Co., California (33°45'N, 118°25'W), Leg.: B.C. Draper.

Remarks: Junior synonym of *Pusula solandri* (Sowerby, 1832) but considered a valid species by Fehse (2002).

polynesiae, *Trivirostra* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 85, fig. 136.

HOLOTYPE: LACM 1121 (dry), Club Mediterranean resort, W side Moorea, Society Ids., French Polynesia (17°30'S, 149°46'W), Leg.: D.E. Koontz, 28 JAN-1 FEB 1974.

procella, *Trivia* (*Trivia*) Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 32, fig. 28.

HOLOTYPE: LACM 1815 (dry), Barbados (13°15'N, 59°30'W).

rehderi, *Proerato* (*Sulcerato*) Raines, 2002a: La Conchiglia 34(304):22-23, fig. 19.

HOLOTYPE: LACM 2940 (dry); **PARATYPE** LACM 2941 (1 dry), 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

rubra, *Trivia* Shaw, 1909: Proc. Malac. Soc. London 8(5):312.

SYNTYPE [as "**COTYPE**"]: LACM 1321 (1 dry), Jeffreys Bay, Cape Prov., South Africa.

Remarks: Currently in the genus *Triviella*.

samarensis, *Pseudotrivia* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 40, fig. 41.

HOLOTYPE: LACM 1795 (dry), Borongan, Samar Oriental Prov., Samar Id., Philippines (11°36'N, 125°27'E).

Remarks: Currently in the genus *Trivellona* fide Fehse (2002).

rubra, *Velutina* Willett, 1919: The Nautilus 33(1):25-26.

PARATYPES: LACM 2158 (4 dry), Forrester Id., Prince of Wales-Outer Ketchikan Co., Alaska, Leg.: George Willett. *Ex* UCLA 21465.

septentrionalis, *Hesperato* Cate, 1977: The Veliger 19(3):365, fig. 51.

HOLOTYPE: LACM 1762 (dry), Lighthouse Beach, Vlaming Head, North West Cape, Western Australia (21°47'S, 114°10'E).

sharoni, *Lamellaria* (*Lamellaria*) Willett, 1939b: The Nautilus 52(4):123-124, pl. 9, figs. 1-1b.

HOLOTYPE: LACM 1059 (dry); **PARATYPES:** LACM 1092 (2 dry), Anaheim Bay, Orange Co., California, Leg.: R.E. Sharon.

spioinsula, *Trivirostra* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 81, fig. 129.

HOLOTYPE: LACM 1807 (dry), Ableta, ca. 35 km from Jingo, Rossel Id., Louisiade Arch., Papua New Guinea (11°30'S, 154°00'E), Leg.: J.M. Chow, 26 OCT 1963.

stalagmia, *Proerato* (*Sulcerato*) Cate, 1975: The Veliger 17(3):261, fig. 6.

HOLOTYPE: LACM 1703 (dry), Maqueda Bay, Samar Occidental Prov., Philippines (11°30'N, 125°00'E).

thaanumi, *Trivirostra* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 70, fig. 113.

HOLOTYPE: LACM 1826 (dry), Lihue, Lihue Dist., Kaua'i, Hawaiian Ids. (21°59'N, 159°24'W), Leg.: D. Thaanum.

tortuga, *Trivia* (*Trivia*) Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 30-32, fig. 27.

HOLOTYPE: LACM 1817 (dry), Playa Veracruz, Bahía de Panamá, Panamá Prov., Panamá, Leg.: B.D. Harris.

vitrina, *Trivirostra* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 79, fig. 126.

HOLOTYPE: LACM 1809 (dry), Malampaya Sound, Palawan Id., Palawan Prov., Philippines (10°57'N, 119°15'E).

zzyzyxia, *Trivirostra* Cate, 1979: San Diego Soc. Nat. Hist. Mem. 10, p. 93, fig. 148.

HOLOTYPE: LACM 1800 (dry), Lighthouse Beach, Vlaming Head, North West Cape, Western Australia (21°47'S, 114°10'E), Leg.: Leslie Figgis.

Remarks: Currently in the genus *Austrotrivia* fide Fehse & Grego (2004).

Superfamily TONNOIDEA Suter, 1913

Family Ranellidae Gray, 1854

longicaudatum, *Gyrenium* Beu, 1998: Mém. Mus. Nat. Hist. Nat. 178:54-57.

PARATYPE: LACM 2789 (1 dry), 400 m, off Tudela, Pacijan Id., between Leyte and Cebu, Philippines (10°40'N, 124°35' E), Leg.: F.J. Springsteen, 29 OCT 1987.

Superfamily NATICOIDEA Guilding, 1834

Family Naticidae Guilding, 1834

brunneolinea, *Natica* (*Natica*) McLean, 1970b: The Veliger 12(3):313, pl. 46, fig. 9.

HOLOTYPE: LACM 1282 (dry); **PARATYPE:** LACM 1283 (1 dry), 91-183 m, Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°45'S, 90°20'W), Leg.: A. & J. DeRoy, 26 APR 1967.

coani, *Choristes* Marinovich, 1975: The Veliger 18(2):169-171, fig. 7.

PARATYPES: LACM 1733 (2 dry), 2760 m, 68.7 mi. 274.8 degrees T from Government Pt., near Depoe Bay, Lincoln Co., Oregon (44°55.4'N, 125°40.6'W), Leg.: R/V *Yaquina*, 17 MAR 1970.

Remarks: Species excluded from *Choristes* (McLean, 1992b:293) and is in need of generic reassignment.

cortezi, *Sinum* J.Q. Burch & R.L. Burch, 1964: The Nautilus 77(4):109-110.

PARATYPES: LACM 2223 (6 dry), 27 m, between Altata and Mazatlán, Sinaloa, México.

Remarks: Junior synonym of *Sinum grayi* (Deshayes, 1843) fide Marinovich (197).

lamonae, *Neverita* (*Neverita*) Marinovich, 1975: The Veliger 18(2):168-169.

PARATYPE: LACM 1732 (1 dry), 2816 m, abyssal plain off central, Oregon (44°34.8'N, 125°33.6'W), Leg.: R/V *Yaquina*, 16 MAR 1970.

Remarks: Radula mounted on glass slide.

sigillata, *Natica* (*Natica*) McLean, 1970b: The Veliger 12(3):313-314, pl. 46, fig. 11.

HOLOTYPE: LACM 1284 (dry), 91 m, Caleta Tagus, Isla Isabel (= Albemarle Id.), Islas Galápagos (0°16'N, 91°22'W), Leg.: A. & J. DeRoy, 25-29 JAN 1968; **PARATYPE:** LACM 1285 (1 dry), 150 m, Bahía Academy del Sur, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos, Leg.: A. & J. DeRoy, 11 JUN 1968.

Family Tonnidae Suter, 1913

harrisonae, *Xenophalium* Powell, 1928: Trans. Proc. New Zealand Inst. 59(3):640.

PARATYPE: LACM 1318 (1 dry), Mason's Bay, Stewart Id., New Zealand.

Remarks: Junior synonym of *Semicassis pyrum* (Lamarck, 1822) fide Kreipl (1997).

“Group” Ptenoglossa

Superfamily TRIPHOROIDEA Gray, 1847

Family Triphoridae Gray, 1847

marshi, *Triphora* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):214-215.

PARATYPE: LACM 1554 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

palmeri, *Triphora* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):209, 214.

PARATYPE: LACM 1553 (1 dry), 5-16 m, off Isla Taboga, Panamá Prov., Panamá, Leg.: L.G. Hertlein.

Family Cerithiopsidae H. Adams & A. Adams, 1853

eiseni, *Cerithiopsis* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):216.

PARATYPE: LACM 1555 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Herrtlein.

gissleri, *Cerithiopsis* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):216-217.

PARATYPES: LACM 1709 (2 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

montezumai, *Cerithiopsis* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):217-218.

PARATYPES: LACM 1710 (2 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

pulmoensis, *Seila* DuShane & Draper, 1975: The Veliger 17(4):342-343, fig. 26.

HOLOTYPE: LACM 1728 (dry), 0 m, intertidal, S side of Cabo Pulmo, Golfo de California, Baja California Sur, México (23°25'N, 109°25'W), Leg.: H. DuShane, 26 JAN 1967;

PARATYPES: LACM 1729 (7 dry), 0.0-3 m, intertidal, S side of Cabo Pulmo, Golfo de California, Baja California Sur, México (23°25'N, 109°25'W).

Superfamily EPITONIOIDEA Berry, 1910

Family Epitoniidae Berry, 1910

arcana, *Epitonium* (*Nitidiscala*) DuShane, 1979: The Veliger 21(3):379-380, fig. 1.

HOLOTYPE: LACM 1264 (dry); **PARATYPES:** LACM 1265 (4 dry), 0 m, intertidal, Puertecitos, Golfo de California, Baja California, México (30°20.03'N, 114°38.13'W), Leg.: H. DuShane, OCT 1970.

Remarks: Currently in the subgenus *Hyaloscala* fide Weil & others (1999).

billeana, *Scalina* DuShane & Bratcher, 1965: The Veliger 8(2):160-161.

PARATYPE: LACM 1095 (1 dry)

2.4-3 m, SW end of Isla Cerralvo, Golfo California, Baja California Sur, México, Leg.: B. Dillworth, N. Currin, & T. Bratcher, APR 1965.

Remarks: Questionably in the subgenus *Limiscala*? fide Weil & others (1999).

bormanni, *Epitonium* (*Nitidoscala*) *tinctum* var. Strong, 1941: The Nautilus 55(2):47.

HOLOTYPE: LACM 1064 (dry); **PARATYPES:** LACM 1842 (5 dry); **PARATYPES:** LACM 1859 (25 dry), 0 m, intertidal, Mission Bay, San Diego, San Diego Co., California, Leg.: R. & M. Bormann, 1939.

Remarks: Junior synonym of *Epitonium tinctorum* (Carpenter, 1864) fide Weil & others (1999).

burchorum, *Opalia* DuShane, 1988: The Veliger 31(3/4):270.

PARATYPE: LACM 2303 (1 dry), 540 m, off Kahe Pt., 'Ewa Dist., O'ahu, Hawaiian Ids. (21°21.2'N, 158°09.1'W), Leg.: T.A. & B.L. Burch, MAR 1978.

chacei, *Opalia* Strong, 1937: The Nautilus 51(1):5-6, pl. 2, fig. 9.

HOLOTYPE: LACM 1045 (dry), Crescent City, Del Norte Co., California, Leg.: E.P. Chace.

Remarks: Junior synonym of *Opalia borealis* Keep, 1881 fide Weil & others (1999).

cerralvoensis, *Epitonium* DuShane, 1970b: L.A. Co. Mus. Cont. Sci. 185:3-4, fig. 3.

HOLOTYPE: LACM 1200 (dry); **PARATYPE:** LACM 1201 (1 dry), 13 m, W side of Isla Cerralvo, Golfo de California, Baja California Sur, México (24°11'N, 109°55'W), Leg.: J.H. McLean, P. Oringer & L. Marinovich, 09 APR 1966.

Remarks: Currently in the genus *Acirsa* fide Weil & others (1999).

contexta, *Amaea* (*Amaea*) DuShane, 1970b: L.A. Co. Mus. Cont. Sci. 185:5-6, fig. 5.

HOLOTYPE: LACM 1199 (dry), 9-18 m, Bahía Petatlán, Guerrero, México (17°31.7'N, 101°27.57'W), Leg.: R/V *Velero III*, 03 MAR 1934.

cooperi, *Epitonium* Strong, 1930: Trans. San Diego Soc. Nat. Hist. 6(7):194.

PARATYPES: LACM 2171 (6 dry), San Pedro, Los Angeles Co., California.

Remarks: Junior synonym of *Epitonium hindsii* (Carpenter, 1856) fide Weil & others (1999). Ex UCLA 4777.

deroyae, *Amaea* (*Scalina*) DuShane, 1970a: The Veliger 12(3):330-331, pl. 51, fig. 2.

HOLOTYPE: LACM 1236 (dry); **PARATYPES:** LACM 1239 (4 dry), 55 m, Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°16.63'S, 91°22.73'W), Leg.: R/V *Velero III*, 13 JAN 1934.

Remarks: Holotype and paratype published as LACM-AHF 147-34.

goldsmithi, *Asperiscala* DuShane, 1988: The Veliger 31(3/4):269, fig. 4.

HOLOTYPE: LACM 2304 (dry); **PARATYPES:** LACM 2305 (2 dry), 0 m, intertidal, Puhi Bay, Hilo, So. Hilo Dist., Hawai'i, Hawaiian Ids. (19°44'N, 155°03'W), Leg.: M. Goldsmith, 1983.

Remarks: Currently in the genus/subgenus *Epitonium* (*Asperiscala*) fide Weil & others (1999).

hancocki, *Epitonium* (*Nitidiscala*) DuShane, 1970a: The Veliger 12(3):332, pl. 51, fig. 1.

HOLOTYPE: LACM 1235 (dry), 37-73 m, N of Isla Espanola (= Hood Id.), Islas Galápagos (1°21.92'S, 90°40.08'W), Leg.: R/V *Velero III*, 28 JAN 1938; **PARATYPE:** LACM 1238 (1 dry), 457 m, NW of Isla Santa Maria (Charles), Islas Galápagos (1°09'S, 90°35'W), Leg.: R/V *Velero III*, 23 JAN 1938.

Remarks: Holotype published as LACM-AHF 814-38, paratype published as LACM-AHF 802-38.

hemmesi, *Epitonium* (*Epitonium*) DuShane, 1988: The Veliger 31(3/4):267.

PARATYPES: LACM 2306 (2 dry), 20-27 m, Lahilahi Pt., near Makaha Beach, Wai'anae Dist., O'ahu, Hawaiian Ids. (21°28'N, 158°14.2'W), Leg.: D. Hemmes & S. Jazwinski, 1985-1986.

huffmanii, *Epitonium* DuShane & McLean, 1968: L.A. Co. Mus. Cont. Sci. 145:1-2, fig. 1.

HOLOTYPE: LACM 1159 (dry), Intertidal, Bahía Cholla, Bahía Adair, Sonora, México (31°21'N, 113°40'W), Leg.: Al Huffman, 11 APR 1937.

Remarks: Questionably in the subgenus *Pupiscala*? fide Weil & others (1999).

longinosanum, *Epitonium* DuShane, 1970b: L.A. Co. Mus. Cont. Sci. 185:1-2, fig. 1.

HOLOTYPE: LACM 1196 (dry), Rancho Inocentes, Pacific Coast Baja California Sur, México (23°45'N, 110°40'W), Leg.: Fred Lewis.

Remarks: Junior synonym of *Epitonium aciculinum* (Hinds, 1844) fide Weil & others (1999).

luceo, *Laeviscala* DuShane, 1988: Veliger 31(3/4):270.

PARATYPE: LACM 2325 (1 dry), 17 m, off Sand Id., Honolulu Dist., O'ahu, Hawaiian Ids. (21°16.3'N, 157°50.7'W), Leg.: S. Jazwinski.

Remarks: Currently in the genus/subgenus *Epitonium* (*Laeviscala*) fide Weil & others (1999).

macleanii, *Epitonium* DuShane, 1970b: L.A. Co. Mus. Cont. Sci. 185:3, fig. 2.

HOLOTYPE: LACM 1197 (dry), 27-37 m, Punta Arena de la Ventana, Golfo de California, Baja California Sur, México, Leg.: J.H. McLean, P. Oringer & L. Marinovich, 08 APR 1966;

PARATYPES: LACM 1198 (8 dry), 37-283 m, off Punta Arena de la Ventana, Golfo de California, Baja California Sur, México (24°04'N, 109°49'W), Leg.: J.H. McLean, P. Oringer & L. Marinovich, 08 APR 1966.

Remarks: Currently in the subgenus *Limiscala* fide Weil & others (1999).

murrha, *Epitonium* DuShane, 1970b: L.A. Co. Mus. Cont. Sci. 185:4-5, fig. 4.

HOLOTYPE: LACM 1232 (dry), 55 m, 10 mi. SW of Isla Secas, Chiriqui Prov., Panamá, Leg.: R/V *Velero III*, 27 MAR 1939.

Remarks: Currently in the subgenus *Acirsa* fide Weil & others (1999).

paulula, *Opalia* DuShane, 1974: The Veliger, v. 16 supplement, p. 72, fig. 152.

HOLOTYPE: LACM 1611 (dry), 11 m, Bahía Cuastecomate, Jalisco, México (19°13'N, 104°44'W), Leg.: Helen DuShane, 5 FEB 1969.

Remarks: Currently in the subgenus *Dentiscala* fide Weil & others (1999).

pedroanum, *Epitonium* Willett, 1932c: Trans. San Diego Soc. Nat. Hist. 7(9):88-89, pl. 5, fig. 3.

HOLOTYPE: LACM 1036 (dry); **PARATYPES:** LACM 2150 (3 dry), 37 m, San Pedro, Los Angeles Co., California, Leg.: G. Willett.

Remarks: Junior synonym of *Epitonium politum* (Sowerby, 1844) fide Weil & others (1999). Paratypes *ex* UCLA 21272.

pigrum, *Epitonium* García, 2011: Novapex 12(3-4):102-104, fig. 38.

PARATYPE: LACM 3189 (dry), 63-65 m, Bahía de Campeche, NE of Campeche, Campeche, México (20°52.40'N, 92°24.83'W), 10 JUN 2005.

shyorum, *Epitonium* DuShane & McLean, 1968: L.A. Co. Mus. Cont. Sci. 145:2-4, fig. 2.

HOLOTYPE: LACM 1160 (dry), 22-24 m, Manzanillo, Colima, México, Leg.: L. & C. Shy, NOV 1965.

Remarks: Currently in the subgenus *Hirtoscala* fide Weil & others (1999).

skoglundae, *Epitonium* DuShane, 1974: The Veliger, v. 16 supplement, p. 72, figs., 150-151, 153.

HOLOTYPE: LACM 1612 (dry); **PARATYPES:** LACM 1613 (5 dry), Ft. Amador, Pacific Coast of Panama Canal Zone, Panamá (8°58'N, 79°33'W), Leg.: C. Skoglund, MAR 1972.

Remarks: Questionably in the subgenus *Nitidiscula*? fide Weil & others (1999).

tehuanarum, *Amaea* (*Scalina*) DuShane & McLean, 1968: L.A. Co. Mus. Cont. Sci. 145:4-6, fig. 4.

HOLOTYPE: LACM 1162 (dry); **PARATYPE:** LACM 1163 (1 dry), 59-68 m, Golfo de Tehuantepec, Oaxaca, México (15°58'N, 95°00'W), Leg.: D.R. Shasky & X. Mendoza, JUL 1963.

Remarks: Holotype erroneously published as LACM 1161, paratype erroneously published as LACM 1162.

textimatta, *Epitonium* DuShane, 1977: The Nautilus 91(3):89-91, fig. 1.

HOLOTYPE: LACM 1846 (dry), Playa los Angeles, Bahía Tenacatita, Jalisco, Mexico (19°18'N, 104°50'W), Leg.: C. & P. Skoglund, AUG 1975.

Remarks: Currently in the subgenus *Sodaliscala* fide Weil & others (1999).

thorssoni, *Epitonium* (*Epitonium*) DuShane, 1988: The Veliger 31(3/4):269.

PARATYPES: LACM 2302 (2 dry), 62-80 m, off Diamond Head, Honolulu Dist., O'ahu, Hawaiian Ids. (21°15.8'N, 157°50'W), Leg.: W.M. Thorsson, 1980-1981.

Superfamily EULIMOIDEA Philippi, 1853

Family Eulimidae Philippi, 1853

callista, *Thyca* (*Bessomia*) Berry, 1959: Leaflets in Malacology 1(18):110-111.

HOLOTYPE: LACM 1120 (dry), 5-7 m, Bahía San Carlos, Sonora, México, Leg.: L.C. Bessom, 15 JUL 1959.

clarimaculosa, "*Eulima*" Raines, 2002b: La Conchiglia 34(305):47-48, fig. 6.

HOLOTYPE: LACM 2959 (dry); **PARATYPE:** LACM 2960 (1 dry), 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

delmontensis, *Balcis* Smith & Gordon, 1948: Proc. Calif. Acad. Sci., 4th ser., 26(8):219-220.
PARATYPE: LACM 1005 (1 dry), 18 m, off Del Monte, Monterey Co., California, Leg.: A.G. Smith & C.S. Fackenthall, 16 AUG 1913.

Remarks: Currently in the genus *Melanella*.

emersoni, *Niso* (*Niso*) McLean, 1970a: Malac. Review 2:128, figs. 39-40.

HOLOTYPE: LACM 1403 (dry); **PARATYPE:** LACM 1404 (1 dry), 13-20 m, off Puerto de San Jose, Escuintla Dept., Guatemala (13°52.5'N, 91°10.5'W), Leg.: R/V *Velero III*, 11 JAN 1938.

healeyi, *Strombiformis* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):195.

PARATYPE: LACM 2243 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Eulima* fide Keen (1971).

macleani, *Eulimostraca* Warén, 1992: The Veliger 35(3):187, figs. 11, 32, 34, 40.

HOLOTYPE: LACM 2370 (dry); **PARATYPE:** LACM 2371 (1 gold coated), 21.3 m, Bahía Herradura, Puntarenas Prov., Costa Rica (9°38'N, 84°40.5'W), Leg.: J.H. McLean, 9 MAR 1972.

mulata, *Eulima* Rios & Absalao, 1990: Rev. Bras. Biol. 50(1):61-63.

PARATYPE: LACM 2208 (1 dry), 24 m, off Salinópolis, Para State, Brazil, Leg.: N.O.C. Saldanha, 21 NOV 1986.

osorio, *Subniso* Raines, 2002b: La Conchiglia 34(305):46-47, fig. 5.

HOLOTYPE: LACM 2957 (dry); **PARATYPE:** LACM 2958 (1 dry), 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

pagoda, *Eulimetta* Warén, 1992: The Veliger 35(3):187-189, figs. 14, 36-39, 41.

HOLOTYPE: LACM 2372 (dry); **PARATYPES:** LACM 2373 (1 dry, 1 gold coated), 18.3-36.6 m, Bahía Cuastecomate, Jalisco, México (19°13.8'N, 104°44.9'W), Leg.: J.H. McLean, P. Oringer, & G. Radwin, 21 OCT 1968.

pallida, *Turveria* Warén, 1992: The Veliger 35(3):179, figs. 7-8, 13.

HOLOTYPE: LACM 2425 (dry); **PARATYPES:** LACM 2426 (1 dry, 1 gold coated), Living on *Encope grandis* on sand flats at Isla Willard, Bahía San Luis Gonzaga, Baja California, México (29°57'N, 114°17'W), Leg.: T. Schowalter, 28 May 1961.

plenicolora, *Sticteulima* Raines, 2002b: La Conchiglia 34(305):43-46, fig. 3.

HOLOTYPE: LACM 2955 (dry); **PARATYPE:** LACM 2956 (1 dry), Hanga Nui, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

randolphi, *Eulima* Vanatta, 1899: Proc. Acad. Nat. Sci. Philadelphia 51:256.

PARATYPES: LACM 1336 (4 dry); **PARATYPES:** LACM 2157 (2 dry), Dutch Harbor, Unalaska Bay, Unalaska Id., Aleutian Ids. Co., Alaska, Leg.: P.B. Randolph.

Remarks: Currently in the genus *Melanella*. Paratypes 2157 ex UCLA 21202.

rosa, *Melanella* Willett, 1944: Bull. So. Calif. Acad. Sci. 43(2):72, pl. 14, fig. 2.

HOLOTYPE: LACM 1075 (dry), Off Redondo Beach, Los Angeles Co., California, Leg.: J.Q. & T.A. Burch.

shaskyi, *Sabinella* Warén, 1992: The Veliger 35(3):189-193, figs. 42-46, 48-52.

HOLOTYPE: LACM 2374 (gold coated); **PARATYPES:** LACM 2375 (7 dry), 18.3-36.6 m,

Bahía Cuastosome, Jalisco, México (19°13.7'N, 104°44.8'W), Leg.: J.H. McLean, P. Oringer, & G. Radwin, 21 OCT 1968.

Clade Neogastropoda Thiele, 1929

Superfamily BUCCINOIDEA Rafinesque, 1815

Family Buccinidae Rafinesque, 1815

berryi, *Cantharus* (*Gemophos*) McLean, 1970b: The Veliger 12(3):314, pl. 46, figs. 13-14.
HOLOTYPE: LACM 1286 (dry); **PARATYPES**: LACM 1287 (119 dry), 18-27 m, off La Cruz, Bahía de las Banderas, Jalisco, México (20°45'N, 105°30'W), Leg.: J.H. McLean & A. M. Keen, 20-24 MAR 1965.

castillai, *Aenator* McLean & Andrade, 1982: Nat. Hist. Mus. L.A. Co. Cont. Sci. 342:14-15.
PARATYPES: LACM 1987 (2 dry), 300 m, off Papudo, Aconcagua Prov., Chile (32°31'S, 71°54'W), Leg.: H. Andrade; R/V *Goden Wind*, 29 MAR 1977.

clarki, *Bathybuccinum* (*Ovulatibuccinum*) Kantor & Harasewych, 1998: Venus 57(2):77-83.
PARATYPE: LACM 2869 (1 dry), 169 m, W of Agattu Id., Aleutian Ids. Co., Alaska (52°13.50'N, 173°27.80'W), Leg.: R.N. Clark, F/V *Dominator*, 6 AUG 1997.

insculpta, *Tritonoidea* Sowerby, 1900: Proc. Malac. Soc. London 4(2):2.
SYNTYPES [as "**COTYPES**"]: LACM 1323 (2 dry), Port Alfred (= The Kowie), Cape Prov., South Africa.
Remarks: Currently in the genus *Cantharus* fide Steyn & Lussi (1998).

major, *Buccinum pemphigus* Dall, 1919b: Proc. USNM 56(2295):325-326.
PARATYPES: LACM 1206 (2 dry), 183 m, SE of Kamchatka Oblast, western Bering Sea, Russia, Leg.: R/V *Albatross*.

obsoletus, *Plicifusus* Talmadge, 1971: The Veliger 14(1):43-44.
PARATYPE: LACM 1603 (1 dry), 823 m, between Trinidad & the Klamath River mouth, Humboldt Co., California (41°05'N, 41°25'W), Leg.: R/V *City Of Eureka*, 1970.

pribiloffensis, *Chrysodomus* Dall, 1919b: Proc. USNM 56(2295):323.
PARATYPE: LACM 1289 (1 dry), 113 m, W of Pribilof Ids., Bering Sea, Alaska, Leg.: R/V *Albatross*.
Remarks: Currently in the genus *Neptunea*.

stilesi, *Neptunea* (*Neptunea*) A.G. Smith, 1968: The Veliger 11(2):117-120.
PARATYPE: LACM 1152 (1 dry), 155-161 m, British Columbia, Canada, Leg.: I.M. Cowan & J.H. McLean, 22 MAY 1963; **PARATYPE**: LACM 1211 (1 dry), 155-161 m, ca. 3 mi. N of Cape James, Hope Id., Rupert Dist., Vancouver Id., British Columbia, Canada.

thermophilum, *Buccinum* (*Viridibuccinum*) Harasewych & Kantor, 2002: Jour. Moll. Stud. 68(1):40-44.
PARATYPES: LACM 2893 (2 dry shells, 2 wet animals), 2194 m, "Smoke and mirrors" site, Endeavor Ridge segment, Juan de Fuca Ridge, off Washington (47°56.89'N, 129°5.91'W).

Family Nassariidae Iredale, 1916

caelolineatus, *Nassarius* (*Nassarius*) Nesbitt & Pitt, 1986: The Veliger 28(3):294-295.
PARATYPES: LACM 2173 (6 dry), 9-18 m, Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°44.6'S, 90°18.08'W), Leg.: A.G. Smith & J. DeRoy, FEB 1964.

elongata, *Nassa mendicus* Williamson, 1892: Proc. USNM 15(898):213.
SYNTYPES: LACM 2207 (16 dry), Santa Catalina Id., California Channel Ids., California.
Remarks: Junior synonym of *Nassarius mendicus* (Gould, 1849).

harryleei, *Nassarius* Garcia, 2001: Novapex 2(1):25-26, figs. 1-2
HOLOTYPE: LACM 2895 (dry); **PARATYPE**: LACM 2896 (1 dry), 270-271 m, Golfo de Chiriquí, Panamá.

limacina, *Alectrion* Dall, 1917a: Proc. USNM 51(2166):577.
PARATYPES: LACM 1441 (2 dry), 33 m, near La Paz, Golfo de California, Baja California Sur, México.
Remarks: Currently in the genus *Nassarius* fide Keen (1971).

leucops, *Nassa* Pilsbry & Lowe, 1932b: The Nautilus 46(2):51-52.
PARATYPES: LACM 2181 (3 dry), Estuary back of Bahía Kino, Sonora, México, Leg.: H.N. Lowe.
Remarks: Junior synonym of *Nassarius moestus* (Hinds, 1844) fide Keen (1971). *Ex* UCLA 3114.

osculata, *Bullia* (*Bullia*) Sowerby, 1900: Proc. Malac. Soc. London 4(1):3.
SYNTYPES [as "**COTYPES**"]: LACM 1325 (2 dry), Port Alfred (= The Kowie), Cape Prov., South Africa.

shaskyi, *Nassarius* (*Nassarius*) McLean, 1970a: Malac. Review 2:128-129, fig. 41.
HOLOTYPE: LACM 1405 (dry); **PARATYPES**: LACM 1406 (2 dry), 37 m, off Isla de Gorgona, Cauca Dept., Colombia (3°01.42'N, 78°10'W), Leg.: R/V *Velero III*, 12 FEB 1934.

smitsorum, *Nassarius* Kool, 1990: Basteria 54:171-173.
PARATYPES: LACM 2470 (2 dry), Manokwari, at the Uriami River mouth, Dore Bay, Irian Jaya, Papua New Guinea, Leg.: J.H. & D. Smits, 1960.

Family Melongenidae Gill, 1871

sprucecreekensis, *Melongena* Tucker, 1994: Bull. Florida Mus. Nat. Hist. 36(7):197-202.
PARATYPES: LACM 2033 (10 dry), North of New Smyrna Beach where U.S. Route 1 crosses Strickland Bay of the Spruce Creek Estuary, Volusia Co., Florida.
Remarks: Junior synonym of *Melongena corona* (Gmelin, 1791).

Family Fascioliariidae Gray, 1853

allyni, *Fusinus* (*Fusinus*) McLean, 1970b: The Veliger 12(3):314-315, pl. 46, figs. 15-17.
HOLOTYPE: LACM 1290 (dry); **PARATYPES**: LACM 1291 (3 dry), 128-146 m, off Isla

Daphne, Islas Galápagos (0°24.5'S, 22°40'W), Leg.: R/V *Velero III*, 20 JAN 1938.

Remarks: Holotype published as LACM-AHF 1290, paratypes published as LACM-AHF 1291.

consagensis, *Fusinus* (*Fusinus*) Poorman, 1981: The Veliger 23(4):339-340, figs. 1, 6, 10.

HOLOTYPE: LACM 1934 (1 dry), 22 m, 3 km S of Roca Consag, Golfo de California, Baja California, México (31°07'N, 114°30'W), Leg.: Chamizal Exped., 28 JUN 1968.

humboldti, *Fusinus* (*Fusinus*) Poorman, 1981: The Veliger 23(4):340-341, figs 2, 7, 11.

HOLOTYPE: LACM 1935 (dry); **PARATYPES:** LACM 1943 (2 dry), 400 m, off Isla Pinzon (Duncan), Islas Galápagos (0°35'S, 90°40'W), Leg.: J. DeRoy, MAR 1979.

magnapex, *Fusinus* (*Fusinus*) Poorman, 1981: The Veliger 23(4):341-342, figs. 3, 8, 12.

HOLOTYPE: LACM 1936 (dry); **PARATYPES:** LACM 1945 (3 dry), 160-220 m, WSW of Todos Santos, Pacific Coast Baja California Sur, México (23°20'N, 110°22'W), Leg.: J.H. McLean; R/V *Searcher*, 1 FEB 1971.

michaelrogersi, *Fusinus* Goodwin, 2001: Bull. Inst. Malac. Tokyo 8(3):115-117.

PARATYPE: LACM 2899 (dry), 82-229 m, between Laysan Id. and Nihoa Id., NW Hawaiian Ids., D.R. Goodwin, 1983-1989.

paulus, *Fusinus* (*Fusinus*) Poorman, 1981: The Veliger 23(4):342, figs. 4, 13.

HOLOTYPE: LACM 1938 (dry), 150 m, San Jaime Bank, SW of Cabo San Lucas, Pacific Coast Baja California Sur, México (22°50'N, 10°15'W); **PARATYPES:** LACM 1939 (4 dry), 137 m, San Jaime Bank, SW of Cabo San Lucas, Pacific Coast Baja California Sur, México (22°50.5'N, 110°15'W), Leg.: R/V *Velero III*, 3 MAR 1937.

sonorae, *Fusinus* (*Fusinus*) Poorman, 1981: The Veliger 23(4):343, figs. 5, 9.

HOLOTYPE: LACM 1937 (dry), 100-120 m, 5 km SE of Punta San Antonio, near Guaymas, Sonora, México (27°54'N, 111°05'W), Leg.: C. & L. Shy, OCT 1978.

Family Columbelloidea Swainson, 1840

aliciae, *Aesopus* Marinovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull. 16:35, fig. 74.

HOLOTYPE: LACM 1593 (dry), **PARATYPES:** LACM 1594 (59 dry), 0 m, intertidal, Iquique, Tarapaca Prov., Chile (20°13'S, 70°10'W), Leg.: L. Marinovich, AUG 1964.

anita, *Nassarina* (*Zanassarina*) Campbell, 1961: The Veliger 4(1):26.

PARATYPE: LACM 1096 (1 dry), 18-46 m, trawled off Cabo Haro, Sonora, México, Leg.: Ariel Exped., 28 AUG 1960.

aureola, *Pyrene* Howard, 1963: Santa Barbara Mus. Nat. Hist. Occas. Pap. 7:2-11.

PARATYPES: LACM 1209 (6 dry); **PARATYPES:** LACM 2155 (2 dry), 0 m, intertidal, Norse Beach, Punta Peñasco, Sonora, México, Leg.: F.B. Howard, FEB 1957.

Remarks: Junior synonym of *Columbella aureomexicana* (Howard, 1963) fide Keen (1971). Paratype LACM 2155 ex UCLA 35317.

berryi, *Anachis* (*Costoanachis*) Shasky, 1970: The Veliger 13(2):190, fig. 5.

HOLOTYPE: LACM 1413 (dry); **PARATYPES:** LACM 1414 (2 dry), 1-3 m, Pulmo Reef, Golfo de California, Baja California Sur, México (23°26'N, 109°25'W), Leg.: D.R. Shasky, 23-25 APR 1965.

crassiparva, *Cotonopsis* (*Cotonopsis*) Jung, 1989: Schweiz. Palaont. Abhand. 111:160-162, figs. 56.2, 208.1-12, 209.1.3.

HOLOTYPE: LACM 2192 (dry); **PARATYPES:** LACM 2193 (4 dry), 82 m, Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°16.70'S, 91°22.8'W), Leg.: R/V *Velero III*, 10 DEC 1934; **PARATYPES:** LACM 2592 (1 dry, 1 gold coated), 146 m, off Caleta Tagus, Isla Isabela (= Albermarle Id.), Islas Galápagos (0°16.78'S, 91°23.02'W), Leg.: R/V *Velero III*, 10 DEC 1934; **PARATYPES:** LACM 2593 (5 dry), 55 m, Caleta Tagus, Isla Isabela (= Albermarle Id.), Islas Galápagos (0°16.63'S, 91°22.73'W), Leg.: R/V *Velero III*, 13 JAN 1934; **PARATYPES:** LACM 2594 (2 dry), 91-183 m, N of Isla Espanola (= Hood Id.), Islas Galápagos (1°19.3'S, 89°39.8'W), Leg.: R/V *Velero III*, 29 JAN 1938; **PARATYPES:** LACM 2595 (2 dry), 37-73 m, N of Isla Espanola (= Hood Id.), Islas Galápagos (1°21.92'S, 90°40.08'W), Leg.: R/V *Velero III*, 28 JAN 1938; **PARATYPE:** LACM 2596 (1 dry), 55 m, between Isla Daphne & Isla Seymour, Islas Galápagos (0°24.8'S, 90°21.7'W), Leg.: R/V *Velero III*, 13 DEC 1934; **PARATYPES:** LACM 2597 (2 dry), 91-128 m, between Isla Isabela (= Albermarle Id.) & Isla San Salvador (= James Id.), Islas Galápagos (0°10.8'S, 90°52.13'W), Leg.: R/V *Velero III*, 24 JAN 1934; **PARATYPES:** LACM 2598 (2 dry), 46-64 m, off Bahía Gardner, Isla Espanola (Hood), Islas Galápagos (1°21.92'S, 90°40.08'W), Leg.: R/V *Velero III*, 31 JAN 1934; **PARATYPE:** LACM 2599 (1 dry), 78 m, NE of Cabo Barrington, Isla Isabela (= Albermarle Id.), Islas Galápagos (0°36'S, 90°52'W), Leg.: R/V *Anton Bruun*, 24 SEP 1966; **PARATYPES:** LACM 2600 (3 dry), 106-110 m, E of S end Isla Isabela (= Albermarle Id.), Islas Galápagos (0°55'S, 90°30'W), Leg.: R/V *Velero III*, 26 JAN 1934; **PARATYPES:** LACM 2601 (2 dry), 59 m, Bahía Stephen, Isla San Cristobal (= Chatham Id.), Islas Galápagos (0°47'S, 89°31'W), Leg.: R/V *Velero III*, 21 JAN 1934; **PARATYPES:** LACM 2602 (1 dry, 1 gold coated), 91-110 m, off Caleta Tagus, Isla Isabela (= Albermarle Id.), Islas Galápagos (0°16.8'S, 91°22.87'W), Leg.: R/V *Velero III*, 15 JAN 1934.

ecuadoriana, *Ruthia* Shasky, 1970: The Veliger 13(2):193, figs. 8, 12.

HOLOTYPE: LACM 1417 (dry), 4 m, off Cabo San Francisco, Esmeraldas Prov., Ecuador (0°39.5'N, 80°06.5'W), Leg.: R/V *Velero III*, 11 FEB 1934.

fayae, *Anachis* (*Costoanachis*) Keen, 1971: Sea Shells of Trop. W. Amer., p. 579.

PARATYPES: LACM 1634 (2 dry), 0 m, intertidal, Punta Colorado, near Guaymas, Sonora, México, Leg.: F.B. Howard & Gale Sphon, 4 FEB 1962; **PARATYPES:** LACM 2180 (2 dry), 0 m, intertidal, Playa Caracol, Nuevo Guaymas, Sonora, México, Leg.: F.B. Howard, FEB-MAR 1966.

Remarks: Paratype lot LACM 2180 ex UCLA 48322 & 48323.

hilli, *Anachis* (*Glyptanachis*) Pilsbry & Lowe, 1932a: Proc. Acad. Nat. Sci. Philadelphia 84:73.

PARATYPE: LACM 1009 (1 dry); **PARATYPE:** LACM 2156 (1 dry), Mazatlán, Sinaloa, México, Leg.: H.N. Lowe, 8 SEP 1931. Paratype 2156 ex UCLA 4641.

jaliscana, *Cotonopsis* (*Cotonopsis*) Jung, 1989: Schweiz. Palaont. Abhand. 111:171-173, figs. 56.6, 223.1-9, 224.1-3.

HOLOTYPE: LACM 2196 (dry); **PARATYPES:** LACM 2197 (5 dry, 2 gold coated), 37-73 m, Bahía Banderas, Jalisco, México (20°40'N, 105°25'W), Leg.: G. Willett, 14 FEB 1938; **PARATYPE:** LACM 2603 (1 dry), Bahía Banderas, 2-5 mi. east of Punta Mita and off La Cruz, Jalisco, México (20°45'N, 105°25'W), Leg.: J.H. McLean, 20-24 MAR 1965; **PARATYPE:** LACM 2604 (1 dry, missing), 46 m, Bahía Tenacatita, Jalisco (19°16'38"N, 104°50'35"W), 4 MAR 1934; **PARATYPE:** LACM 2605 (1 dry, missing), 37-73 m, Bahía Tenacatita, Jalisco (19°17'N, 104°50'W), Leg.: G. Willett, 18 FEB 1938; **PARATYPE:** LACM 2606 (1 dry),

Intertidal, La Cruz de Juanacaxtl, Bahía Banderas, Nayarit, México (20°43.5'N, 105°25'W), Leg.: H. DuShane, MAR 1974; **PARATYPE**: LACM 2607 (1 dry), 27-73 m, Bahía Chamela, Jalisco, México (19°33'N, 105°07'W), Leg.: G. Willett, 14 FEB 1938.

lalage, *Mitrella* Pilsbry & Lowe, 1932a: Proc. Acad. Nat. Sci. Philadelphia 84:70-71.
PARATYPE: LACM 1955 (1 dry), Mazatlán, Sinaloa, México, Leg.: H.N. Lowe.

lillianae, *Anachis* (*Anachis*) Whitney, 1978: The Veliger 20(3):295-296, fig. 1.
HOLOTYPE: LACM 1852 (dry); **PARATYPES**: LACM 1847 (2 dry), 0 m, intertidal, Playa Alicia, near San Felipe, Golfo de California, Baja California, México, MAR 1976.

loisae, *Mitrilla* Pitt & Kohl, 1979: The Veliger 21(4):467-468.
PARATYPES: LACM 1899 (6 dry), N side of Punta Coralillo, Bahía de Caldera, Puntarenas Prov., Costa Rica (9°54'N, 84°44'W), Leg.: W. & L. Pitt, 29-30 JAN 1975.

macleani, *Decipifus* Keen, 1971: Sea Shells of Trop. W. Amer., p. 588, fig. 1224.
HOLOTYPE: LACM 1266 (dry); **PARATYPES**: LACM 1267 (90 dry), Puertecitos, Golfo de California, Baja California, México, Leg.: J.H. McLean, 1962.

marrae, *Columbella* Garcia, 1999: Apex 14(3-4):60-64.
PARATYPE: LACM 2870, 24-37 m, Islas Secas, Golfo de Chiriqui, Chiriqui Prov., Panamá.

mazatlanica, *Ruthia* Shasky, 1970: The Veliger 13(2):192-193.
PARATYPE: LACM 1416 (1 dry), E side of Isla Chivos, Mazatlán, Sinaloa, México, Leg.: R., M. & D.R. Shasky, 26 DEC 1962.

mendezana, *Cotonopsis* (*Cotonopsis*) Shasky, 1970: The Veliger 13(2):194-195, fig. 10.
HOLOTYPE: LACM 1419 (dry); **PARATYPE**: LACM 1420 (1 dry), Golfo de Fonseca, La Union Dept., El Salvador (15°57'N, 95°32'W), Leg.: X. Mendoza, OCT 1960.

paenoblita, *Strombina* (*Recurvina*) Jung, 1989: Schweiz. Palaont. Abhand. 111:141-144, figs. 186.1-6.
HOLOTYPE: LACM 2190 (dry); **PARATYPES**: LACM 2191 (9 dry), 9-37 m, between Caleta La Cruz & Puerto Pizzaro, off Tumbes, Tumbes Dept., Perú (3°28'S, 80°36'W), Leg.: J.H. McLean & D.R. Shasky; R/V *Maria Elana*, 13-14 APR 1972; **PARATYPES**: LACM 2586 (2 dry), 18 m, Bahía Independencia, Ica Dept., Perú (14°14.7'S, 76°09.12'W), Leg.: R/V *Velero III*, 9 FEB 1938; **PARATYPE**: LACM 2587 (1 dry), Nunura, Piura Dept., Perú, 23 MAY 1958; **PARATYPES**: LACM 2588 (4 dry), S of Punta Parinas, N of Paita, Piura Dept., Perú (4°48'S, 81°17'W), Leg.: R/V *Anton Bruun*, 2 JUN 1966; **PARATYPES**: LACM 2589 (4 dry), 17 m, Bahía Sechura, Piura Dept., Perú (5°39.5'S, 81°01'W), Leg.: R/V *Velero III*, 15 FEB 1938; **PARATYPE**: LACM 2590 (1 dry), 20 m, SE of Isla de Santa Clara, Golfo de Guayaquil, Tumbes Dept., Perú (3°15'S, 80°19'W), Leg.: R/V *Anton Bruun*, SEP 1966; **PARATYPE**: LACM 2591 (1 dry), Panama.

perata, *Nassarina* (*Cigclirina*) Keen, 1971: Sea Shells of Trop. W. Amer., p. 594-595, fig. 1248.
HOLOTYPE: LACM 1464 (dry), 37-45 m, Puerto Videra, Chiapas, México, Leg.: D.R. Shasky.

radwini, *Cotonopsis* (*Turrina*) Jung, 1989: Schweiz. Palaont. Abhand. 111:188, figs. 57.2, 245.1-6.
HOLOTYPE: LACM 2189 (dry), 16-22 m, off the coast of southeasternmost Chiapas, México (14°42'N, 92°32'W), Leg.: D.R. Shasky; **PARATYPES**: LACM 2610 (2 dry), 13-20 m, off

Puerto San Jose, Escuintla Dept., Guatemala (13°52.5'N, 91°10.5'W), Leg.: R/V *Velero III*, 11 JAN 1938.

radwini, *Salitra* Marinovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull. 16:36-37, figs. 77-78.
HOLOTYPE: LACM 1595 (dry); **PARATYPES**: LACM 1596 (3 dry), 0 m, intertidal, Iquique, Tarapaca Prov., Chile (20°13'S, 70°10'W), Leg.: L. Marinovich, AUG 1964.

rapanuiensis, *Zafra* Raines, 2002a: La Conchiglia 34(304):24-25, fig. 23.
HOLOTYPE: LACM 2942 (dry); **PARATYPE**: LACM 2943 (1 dry), 10-20 m, off Punta Rosalia, E of Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

skoglundae, *Cotonopsis* (*Cotonopsis*) Jung, 1989: Schweiz. Palaont. Abhand. 111:178-180, fig. 235.8.

PARATYPE: LACM 2195 (1 dry), 122-183 m, off N end of Isla Danzante, Golfo de California, Baja California Sur, México, Leg.: C. Skoglund.

socorroensis, *Columbella* Shasky, 1970: The Veliger 13(2):194, fig. 9.

HOLOTYPE: LACM 1418 (dry), 2 m, Bahía Braithwaite, Isla Socorro, Islas Revillagigedo, México (18°42.7'N, 110°56.8'W), Leg.: D.R. Shasky, 11 AUG 1965.

suteri, *Cotonopsis* (*Cotonopsis*) Jung, 1989: Schweiz. Palaont. Abhand. 111:180-182, figs. 236.16-18.

PARATYPES: LACM 2194 (3 dry), ca. 12 mi. SSW of Rancho Inocentes, Pacific Coast Baja California Sur, México (23°38'N, 110°43'W), Leg.: J.H. McLean; R/V *Searcher*, 1 FEB 1971;
PARATYPES: LACM 2467 (2 dry), Off Salina, Oaxaca, México; **PARATYPE**: LACM 2608 (1 dry), Bahía Agua Verde, Golfo de California, Baja California Sur, México, Leg.: Elanor Dwyer, SPRING 1965; **PARATYPE**: LACM 2609 (1 dry), 93-101 m, off Punta Gorda, Golfo de California, Baja California Sur, México (23°03.63'N, 109°34.3'W), Leg.: R/V *Velero III*, 16 FEB 1940.

taylorae, *Zafra* Raines, 2002a: La Conchiglia 34(304):25-26, fig. 24.

HOLOTYPE: LACM 2944 (dry); **PARATYPE**: LACM 2945 (1 dry), 20-30 m, off Hanga Nui, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

tehuantepecensis, *Radwinia* Shasky, 1970: The Veliger 13(2):191, figs. 6, 11.

HOLOTYPE: LACM 1415 (dry), 30-35 m, between San Simeon & Puerto Madero, Golfo de Tehuantepec, Chiapas, México, Leg.: Carlos Carballo, Jr., JUL 1961.

Remarks: Currently in the genus/subgenus *Nassarina* (*Radwinia*) fide Keen (1971).

Superfamily PSEUDOLIVOIDEA de Gregorio, 1880

Family Pseudolividae de Gregorio, 1880

albus, *Fusulculus* Bouchet & Vermeij, 1998: Nautilus 111(3):49-51.

PARATYPE: LACM 3062 (1 dry), 668 m, NW of Cook Ref., New Caledonia Group, New Caledonia (18°42'S, 163°13'S), Leg.: P. Bouchet & B. Richer, R/V *Vauban*, 15 SEP 1985.

crenatus, *Fusulculus* Bouchet & Vermeij, 1998: Nautilus 111(3):49.

PARATYPE: LACM 3061 (1 dry), NE of Matthew Id., New Caledonia Outliers, New Caledonia (22°17'S, 171°18'E), Leg.: B. Richer, R/V *Alis*, 5 JUN. 1989.

mcleani, *Macron* Vermeij, 1998: The Nautilus 111(2):72-73, figs. 16-17.

HOLOTYPE: LACM 2812 (dry), 4-5 m, off Punta Willard, Bahía Gonzaga, Golfo de California, Baja California, México (29°48'N, 114°23.1'W), Leg.: R/V *Velero III*, 23 MAR 1937.

Superfamily MURICOIDEA Rafinesque, 1815

Family Muricidae Rafinesque, 1815

adventus, *Pazinotus* Poorman, 1980: The Veliger 22(4):362-363, figs. 3-4.

HOLOTYPE: LACM 1914 (dry), 100m, 5 km S of Tetas de Cabra, Estero San Carlos, Sonora, México (27°54'N, 111°05'W), Leg.: F. & R. Poorman, NOV 1978.

Remarks: Currently in the genus *Poirieria* fide Houart (1994).

albospinosus, *Trophon* (*Boreotrophon*) Willett, 1931b: The Nautilus 45(2):66, pl. 4, fig. 3.

HOLOTYPE: LACM 1028 (dry), **PARATYPES:** LACM 2149 (8 dry), 46 m, off the N shore of Santa Catalina Id., California Channel Ids., California, Leg.: G. Willett, JUL 1920.

Remarks: Currently in the genus *Boreotrophon* and currently a junior synonym of *Boreotrophon triangularis* (Carpenter, 1864). *Paratypes ex* UCLA 21821.

arcana, *Pterotyphis* (*Tripterytyphis*) DuShane, 1969: The Veliger 11(4):344, pl. 54, figs. 4-6.

HOLOTYPE: LACM 1195 (dry), Mazatlán, Sinaloa, México, Leg.: H. DuShane, 24 FEB 1968.

Remarks: Currently in the genus *Tripterytyphis* fide Radwin & D'Attilio (1976).

bahamondei, *Trophon* McLean & Andrade, 1982: Nat. Hist. Mus. L.A. Co. Cont. Sci. 342:10.

PARATYPES: LACM 1983 (17 dry), 340 m, off Pichilemu, Colchagua Prov., Chile (34°27'S, 71°54'W), Leg.: H. Andrade, 25 MAY 1976.

carolskoglundae, *Typhisopsis* Houart & Hertz, 2006. Nautilus 120(2):56-58.

PARATYPES: LACM 3066 (2 dry), 24-30 m, Playas del Coco, Guanacaste Prov., Costa Rica, Leg.: C. & P. Skoglund, APR 1986.

clarki, *Scabrotrophon* McLean, 1995: Tax. Atlas Santa Maria Basin 9(2)(1):97-98, figs. 1.19E

HOLOTYPE: LACM 2774 (dry), 210 m, off Monterey, Monterey Co., California.

cocosensis, *Favartia* Myers & D'Attilio, 1990: Venus 49(4):282-285.

PARATYPES: LACM 2200 (2 dry), 12-24 m, Roca Sucia, Isla del Coco, East Pacific, Leg.: D.R. Shasky, APR 1987.

eversoni, *Phyllonotus* (*Phyllonotus*) D'Attilio, Myers, & Shasky, 1987: The Nautilus 101(4):162-164.

PARATYPE: LACM 2204 (1 dry), 90 m, off Bahía Chatham, Isla del Coco, East Pacific (5°33'N, 87°03'W), Leg.: K. Kaiser & D.R. Shasky, 26 APR 1987.

fayae, *Pterotyphis* (*Tripterytyphis*) Keen & Campbell, 1964: The Veliger 7(1):54-56.

PARATYPE: LACM 1133 (1 dry); **PARATYPE:** LACM 2086 (1 dry), 0 m, intertidal, Barra de Navidad, Jalisco, México, Leg.: F.B. Howard & G. Sphon, 7-11 JAN 1962.

floridana, *Thais haysae* Clench, 1927: The Nautilus 41(1):6-8.

PARATYPE: LACM 1219 (1 dry), Grand Bayou, Mississippi River Delta, Plaquemines Parish,

Louisiana.

galapaganus, "*Murex*" Emerson & D'Attilio, 1970a: The Veliger 12(3):271-272.

PARATYPE: LACM 1233 (1 dry), 91-183 m, N of Isla Espanola (= Hood Id.), Islas Galápagos (1°19.2'N, 89°39.7'W), Leg.: R/V *Velero III*, 29 JAN 1938.

Remarks: Currently in the genus *Paziella* fide Keen (1971).

grovesi, *Scabrotrophon* McLean, 1995: Tax. Atlas Santa Maria Basin 9(2)(1):96-97, fig. 1.19D.

PARATYPE: LACM 2781 (1 dry), 79-140 m, NE of Santa Catalina Id., California Channel Ids., California (33°21.5'N, 118°21.5'W), Leg.: C.A. Kofoid & W.J. Raymond, 20 JUN 1901.

hazardi, *Boreotrophon* McLean, 1995: Tax. Atlas Santa Maria Basin 9(2)(1):91, fig. 1.18C

HOLOTYPE: LACM 2783 (dry), 220 m, off Naples Pt., Isla Vista, Ellwood Oil Field, Santa Barbara Co., California (ca. 34°23'N, 120°00'W), Leg.: R. Hazard, R/V *Kildee*, JAN 1974.

hubbsi, *Trophonopsis* Rokop, 1972: The Veliger, 15(1):16.

PARATYPE: LACM 1549 (1 dry), 3599-3676 m, abyssal plain off Patton Escarpment, 225 mi. W of, Cabo Colonett, Pacific Coast, Baja California, México (31°19.7'N, 119°32.9'W), Leg.: R/V *Melville*, 18 DEC 1969.

Remarks: Currently in the genus *Abyssotrophon* fide Houart, 1994.

jacobsoni, *Muricodrupa* Emerson & D'Attilio, 1981: The Nautilus 95(2):78-81, fig. 1.

HOLOTYPE: LACM 1798 (dry), Yanu-yanu-i-loma Id., Great Astrolabe Reef, Kadavu Group, Fiji (18°55'S, 178°35'E), Leg.: Kanter & Williamson, 16 OCT-2 NOV 1971.

kabati, *Boreotrophon* McLean, 1995: Tax. Atlas Santa Maria Basin 9(2)(1):89-90, fig. 1.18A.

HOLOTYPE: LACM 2782 (dry), 440-488 m, 8 mi. E of Long Pt., Santa Catalina Id., California Channel Ids., California (33°24.7'N, 118°14.08'W), Leg.: R/V *Velero III*, 13 SEP 1941.

keena, *Murexiella* E.H. Vokes, 1970a: The Veliger 12(3):328, pl. 50, figs. 8-10.

HOLOTYPE: LACM 1259 (dry), Playa Venado, Pacific Coast of Panama Canal Zone, Panamá, Leg.: Mrs. R. H. Stewart

keena, *Ocenebra* Bormann, 1946: The Nautilus 60(2):40-41.

PARATYPES: LACM 1001 (15 dry), Whites Pt., Palos Verdes Peninsula, Los Angeles Co., California, Leg.: Mr. & Mrs. R. Bormann, OCT 1946.

Remarks: Junior synonym of *Ocenebra beta* (Dall, 1919).

kowieensis, *Afritrophon* Sowerby, 1901: Proc. Malac. Soc. London 4(5):213.

SYNTYPES [as "**COTYPES**"]: LACM 1326 (2 dry), Port Alfred (= The Kowie), Cape Prov., South Africa.

laurae, *Murexiella* (*Murexiella*) E.H. Vokes, 1970a: The Veliger 12(3):328-329, pl. 50, figs. 4-5.

HOLOTYPE: LACM 1260 (dry), **PARATYPE:** LACM 1959 (1 dry), 31 m, Punta de Juluapan, Manzanillo, Colima, México, Leg.: L. Shy.

Remarks: Junior synonym of *Murexiella humilis* (Broderip, 1833) fide Radwin & D'Attilio (1976).

lowei, *Typhis* Pilsbry, 1931: The Nautilus 45(2):72.

PARATYPE: LACM 1851 (dry), Bahía Montijo, Panama.

Remarks: Currently in the genus *Tripterotyphis*.

mcleani, *Muricopsis* (*Muricopsis*) Wiedrick, 2009: Novapex 10(2):50-51, figs. 1-2, 7-8.

HOLOTYPE: LACM 3097 (dry), Bahía San Gabriel, Isla Espirito Santo, Golfo de California, México (24°29'N, 110°27'W), Leg.: G. Sphon, 31 MAR 1974.

mildredae, *Murexiella* Poorman, 1980: The Veliger 22(4):361-362, figs. 1-2.

HOLOTYPE: LACM 1913 (dry), 100 m, 5 km S of Tetas de Cabra, Estero San Carlos, Sonora, México (27°54'N, 111°05'W), Leg.: F. & R. Poorman, NOV 1978.

Remarks: Currently in the genus/subgenus *Muricopsis* (*Murexsul*) fide Houart (1994).

macleani, *Phyllonotus* (*Purpurellus*) Emerson & D'Attilio, 1969: The Veliger 12(2):147-148, pl. 26, figs. 1-4.

HOLOTYPE: LACM 1230 (dry), 46 m, Loreto Channel, Golfo de California, Baja California Sur, México, Leg.: Ariel Exped., 29 AUG 1960; **PARATYPE:** LACM 1273 (1 dry), 22 m, Islas Secas, Chiriqui Prov., Panamá (7°57.7'N, 82°00.7'W), Leg.: R/V *Velero III*, 5 FEB 1935.

Remarks: Currently in the genus *Purpurellus* fide Houart (1994).

myrae, *Cinclidotyphis* DuShane, 1969: The Veliger 11(4):343-344, pl. 54, figs. 1-3.

HOLOTYPE: LACM 1194 (dry), Bahía Tenacatita, Jalisco, México, Leg.: H. DuShane, 25 JAN 1968.

myrakeenae, *Aspella* (?*Dermomurex*) Emerson & D'Attilio, 1970b: The Nautilus 83(3):89-95.

PARATYPE: LACM 1237 (1 dry), 0 m, intertidal, Bahía de las Banderas, Nayarit, México (20°44'N, 105°29'W). Leg.: H. & J. DuShane, 12-18 JAN 1969.

Remarks: Currently in the genus *Dermomurex* fide Radwin & D'Attilio (1976).

painei, *Murex* Dall, 1903b: Proc. Biol. Soc. Washington 16:174.

PARATYPE: LACM 1957 (1 dry), 91 m, off Avalon, Santa Catalina Id., California Channel Ids., California.

Remarks: Currently in the genus *Ocenotrophon* fide McLean, 1995.

poormani, *Favartia* Radwin & D'Attilio, 1976: Murex Shells of the World, p. 231-232.

PARATYPE: LACM 1694 (1 dry), 31 m, off Bahía San Carlos, near Guaymas, Sonora, México, Leg.: R. & F. Poorman, MAR 1964-MAY 1970.

Remarks: Currently in the subgenus *Pygmaeptyrys* fide Houart (1994).

rosamiae, *Favartia* D'Attilio & Myers, 1985: The Nautilus 99(2/3):58-60.

PARATYPES: LACM 2118 (2 dry), Balut, Davao Prov., Mindanao Id., Philippines.

Remarks: Currently in the genus *Murexiella* fide Houart (1994).

ruthae, *Murex* (?*Haustellum*) E.H. Vokes, 1988: Tulane Stud. Geol. Paleo. 21(1-2):18-21.

PARATYPE: LACM 2274 (1 dry), 27-46 m, channel between Loreto & Isla Carmen, Golfo de California, Baja California Sur, México, Leg.: Ariel. Exped., 29 AUG 1960.

Remarks: Currently in the genus *Haustellum* fide Houart (1994). Erroneously published as LACM 2247.

seftoni, *Ocenebra* Chace, 1958: Trans. San Diego Soc. Nat. Hist. 12(20):331-332.

PARATYPES: LACM 1960 (2 dry), Isla Guadalupe, Pacific Coast Baja California, México, 17 DEC 1957.

sykesi, *Murex* Preston, 1904: Jour. Malac. 11(4):76-77.

PARATYPE: LACM 1965 (1 dry), Sri Lanka.

Remarks: Currently in the genus *Ocenebra*. Considered a “species of uncertain identity” fide Radwin & D’Attilio (1976).

tyrianthina, *Acanthina* Berry, 1957: Leaflets in Malacology 1(14):78-79.

PARATYPE: LACM 1007 (1 dry), Caleta Man of War, Bahía Magdalena, Pacific Coast Baja California Sur, México, Leg.: H.B. Clemens, 10 JAN 1955.

velero, *Poirieria* (*Panamurex*) E.H. Vokes, 1970b: Tulane Stud. Geol. Paleo. 8(1/2):47-48, fig. 1.

HOLOTYPE: LACM 1407 (dry); **PARATYPES:** LACM 1408 (7 dry), 38-40 m, 2 mi. SW of Cabo de Vela, Peninsula de Guajira, La Guajira Dept., Colombia (12°11’N, 72°11’W), Leg.: R/V *Velero III*, 8 APR 1939.

Remarks: Currently in the genus *Calotrophon* fide Radwin & D’Attilio, 1976.

venustula, *Murexiella* Poorman, 1983: The Veliger 26(1):5-7.

PARATYPE: LACM 2038 (1 dry), 150-200 m, off the S coast of Isla Santa Cruz (= Indefatigable Id.), Isla Galápagos (0°47’S, 90°21’W).

wendita, *Haustellotyphis* Hertz, 1995: The Veliger 38(2):158-161.

PARATYPES: LACM 2744 (2 dry), 6-15 m, off Playa Tamarindo, Bahia Tamarindo, Guanacaste Prov., Costa Rica (ca. 11°42’N, 85°50’W), Leg.: R. Koch, 6 & 8 MAR 1993.

westonensis, *Muricopsis* Myers & D’Attilio, 1990: Venus 49(4):285-287.

PARATYPE: LACM 2201 (1 dry), 23-27 m, Isla Iglesias (= Cascara Id.), Isla del Coco, East Pacific, Leg.: D.R. Shasky; **PARATYPE:** LACM 2229 (1 dry), 34 m, Islas Dos Amigos, Isla del Coco, East Pacific, Leg.: D.R. Shasky.

zamboi, *Murex anatomica* J.Q. Burch & R.L. Burch, 1960: Hawaiian Shell News 9(5):1, 7.

PARATYPE: LACM 1695 (1 dry), Baring Pt., Olango Id., Cebu Prov., Philippines.

Remarks: Currently in the genus *Homalocantha* fide Radwin & D’Attilio (1976).

Family Coralliophilidae Chenu, 1859

macleani, *Coralliophila* (*Coralliophila*) Shasky, 1970: The Veliger 13(2):189-190, fig. 4.

HOLOTYPE: LACM 1411 (dry); **PARATYPE:** LACM 1412 (1 dry), 3-4 m, Bahía Saladita, Guaymas, Sonora, México, Leg.: D.R. Shasky, DEC 1958-DEC 1959.

rocasuciae, *Coralliophila* Myers & D’Attilio, 1990: Venus 49(4):287-290.

PARATYPES: LACM 2202 (2 dry), 18-24 m, Roca Sucia, Isla del Coco, East Pacific., Leg.: D.R. Shasky, APR 1986.

santacruzensis, *Latiaxis* Emerson & D’Attilio, 1970a: The Veliger 12(3):272-273.

PARATYPE: LACM 1234 (1 dry), 88-134 m, off Isla Santa Fe (= Barrington Id.), Islas Galápagos (0°43’S, 90°01’W), Leg.: R/V *Velero III*, 26 JAN 1938.

Remarks: Currently in the genus *Babelomurex*.

Family Turbinellidae Swainson, 1835

tomicici, *Columbarium* McLean & Andrade, 1982: Nat. Hist. Mus. L.A. Co. Cont. Sci. 342:10-12.

PARATYPES: LACM 1985 (6 dry), 950 m, W of Junquillar, Antofagasta Prov., Chile (25°00'S, 70°40'W), Leg.: R/V *Anton Bruun*, 16 AUG 1966.

Family Volutidae Rafinesque, 1815

jaculoides, *Alcithoe* (*Alcithoe*) Powell, 1924: Proc. Malac. Soc. London 16(1):108-109.

PARATYPE: LACM 1320 (1 dry), 73-91 m, off Whakatane, South Auckland, North Id., New Zealand.

Remarks: Junior synonym of *Alcithoe arabica* (Gmelin, 1791) fide Weaver & DuPont (1970); considered a valid species fide Poppe & Goto (1992).

leucostoma, *Livonia mammilla* Maybloom, 1951: Australian Zool. 11(4):283.

PARATYPES: LACM 2376 (2 dry), 183 m, Green Cape, New South Wales, Australia.

Remarks: Junior synonym of *Livonia mammilla* (Sowerby, 1844) fide Weaver & DuPont (1970); considered a form of *Livonia mammilla* (Sowerby, 1844) by Poppe & Goto (1992)..

lutosa, *Volutocorbis* Koch, 1948: Jour. Conch. 23(1):5-6.

PARATYPE: LACM 1630 (1 dry), 256 m, off Port Nolloth, Cape Prov., South Africa;

PARATYPES: LACM 2115 (2 dry), 73-110 m, Port Nolloth, Cape Prov., South Africa.

Remarks: Currently in the genus *Athleta* fide Poppe & Goto (1992).

Family Harpidae Bronn, 1849

goodwini, *Harpa* Rehder, 1993: The Nautilus 106(4):127-129.

PARATYPE: LACM 2701 (1 dry), 82-228 m, between French Frigate Shoals and Maro Reef, NW Hawaiian Ids. (approx. 23°45'N, 166°10'E).

veleroae, *Morum* (*Cancelomorum*) Emerson, 1968: Jour. de Conchyl. 107(1):53-57, pl. 1, figs. 1-5.

HOLOTYPE: LACM 1170 (dry); **PARATYPE:** LACM 1171 (1 dry), 86 m, Bahía Chatham, Isla del Coco, East Pacific (5°33.8'N, 86°58.7'W), Leg.: R/V *Velero III*, 14 JAN 1938;

PARATYPE: LACM 1172 (1 dry), 57-91 m, off Isla Nuez, Isla del Coco, East Pacific (5°34'N, 86°59.3'W), Leg.: R/V *Velero III*, 13 JAN 1938.

Family Cystiscidae Stimpson, 1865

achenea, *Granula* Roth & Coan, 1971: Proc. Calif. Acad. Sci., 4th ser., 37(23):578-580.

PARATYPE: LACM 1601 (1 dry), 24 m, Bahía Chatham, Isla del Coco, East Pacific (5°35'N, 87°02'W), Leg.: W.L. Schmitt, 24 APR 1941.

Remarks: Currently in the genus *Gibberula*.

bandera, *Persicula* Coan & Roth, 1965: The Veliger 8(2):67-69, pl. 12, figs. 3a-c, 4a-5b.

HOLOTYPE: LACM 1141 (dry); **PARATYPES:** LACM 1142 (18 dry), Bahía Banderas, Jalisco, México, Leg.: Mr. & Mrs. C. Willis, 4 APR 1963.

insularum, *Granula* Roth & Coan, 1971: Proc. Calif. Acad. Sci., 4th ser., 37(23):580-583.
PARATYPE: LACM 1602 (1 dry), Caleta Negro, ca. 1 mi. W of Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°15'S, 91°23'W), Leg.: L.G. Hertlein, 5 JAN 1932.
Remarks: Currently in the genus *Gibberula*.

Family Marginellidae Fleming, 1828

alates, *Prunum* Roth, 1978: Nat. Hist. Mus. L.A. Co. Cont. Sci. 292:8-11, figs. 12-13.
HOLOTYPE: LACM 1779 (dry); **PARATYPES:** LACM 1780 (2 dry), 3-11 m, in cove between Isla San Jose and Isla Cocinero, Islas Murcielagos, Guanacaste Prov., Costa Rica (10°51.8'N, 86°55.5'W), Leg.: P.I. LaFollette & others; R/V *Searcher*, 17 FEB 1972.

amphorale, *Prunum* de Souza, 1992, Jour. Conch., London 34:239-241.
PARATYPE: LACM 2259 (1 dry), 75 m, off Para State, Brazil (1°55.5'N, 42°45'W), Leg.: Norte-Nordeste I Oceanographic Commission, 31 OCT 1967.

epacrodonta, *Dentimargo* Roth, 1978: Nat. Hist. Mus. L.A. Co. Cont. Sci. 292:14-15, fig. 15.
HOLOTYPE: LACM 1783 (dry); **PARATYPES:** LACM 1784 (2 dry), 55-64 m, off Bahía Honda, Isla Coiba, Veraguas Prov., Panamá (7°44'N, 81°35'W), Leg.: R/V *Velero III*, 4 FEB 1935.

gorgonense, *Prunum* Roth, 1978: Nat. Hist. Mus. L.A. Co. Cont. Sci. 292:2-3, fig. 1.
HOLOTYPE: LACM 1777 (1 dry), 37 m, off Isla de Gorgona, Cauca Dept., Colombia (3°01.42'N, 78°10'W), Leg.: R/V *Velero III*, 12 FEB 1934.

innexa, *Volvarina* Roth, 1978: Nat. Hist. Mus. L.A. Co. Cont. Sci. 292:16-17, fig. 16.
HOLOTYPE: LACM 1785 (1 dry), 9-37 m, Bahía Sullivan, Isla San Salvador (= James Id.), Galápagos Ids. (0°16.5'S, 90°35.2'W), Leg.: R/V *Velero III*, 23 JAN 1934.

macleani, *Prunum* Roth, 1978: Nat. Hist. Mus. L.A. Co. Cont. Sci. 292:4.
PARATYPES: LACM 1778 (7 dry; 2 wet), 93 m, W of Cabo Pasado, Manabi Prov., Ecuador (0°21'S, 80°41'W), Leg.: R/V *Anton Bruun*, 12 SEP 1966.
Remarks: One radula on glass slide.

zetetes, *Dentimargo* Roth, 1978: Nat. Hist. Mus. L.A. Co. Cont. Sci. 292:13-14, fig. 14.
HOLOTYPE: LACM 1781 (dry); **PARATYPE:** LACM 1782 (1 dry), 1-11 m, Punta Isla to 500 m S of point, Bahía Elena, Guanacaste Prov., Costa Rica (10°56'N, 85°48.92'W), Leg.: P.I. LaFollette & D. Cadien, R/V *Searcher*, 13 FEB 1972.

Family Mitridae Swainson, 1829

edithreae, *Subcancilla* Sphon, 1976: The Nautilus 90(2):64, fig. 1.
HOLOTYPE: LACM 1735 (dry), 3-6 m, Punta Alfaró, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°25.3'N, 90°57.1'W), Leg.: Ameripagos Exped., 25 MAR 1971.
Remarks: Currently in the genus *Ziba* fide Robin & Martin (2004).

phorminx, *Mitra* Berry, 1960: Leaflets in Malacology 1(26):162-163.
PARATYPES: LACM 1954 (3 dry), 64-82 m, Rio Bolsa, Acapulco, Guerrero, México, Leg.: A. Luna, MAY 1969.

Remarks: Currently in the genus *Ziba* fide Robin & Martin (2004).

welkerorum, *Subcancilla* Whitney, 1977: The Veliger 20(1):52-53, fig. 1.

HOLOTYPE: LACM 1814 (dry), Off Guaymas, Sonora, México, 1974.

Remarks: Junior synonym of *Ziba erythrogramma* (Tomlin, 1931) fide Robin & Martin (2004).

Family Costellariidae MacDonalD, 1860

filiareginae, *Vexillum (Pusia) regina* J. Cate, 1961: The Veliger 4(2):80-81.

PARATYPE: LACM 1605 (1 dry), Balabac, Balabac Id., Palawan Prov., Philippines.

Remarks: Considered a junior synonym of *Vexillum (Vexillum) regina* Sowerby, 1828 by Cernohorsky (1970); considered a junior synonym of *V. (V.) citrinum* (Gmelin, 1791) by Turner (2001) and Robin & Martin (2004).

hansena, *Vexillum (Pusia)* Cernohorsky, 1973: Rec. Auckland Inst. Mus. 10:138.

PARATYPE: LACM 1698 (1 dry), 90 mi. E of Albany, Western Australia, Leg.: M.P. Marrow, 26 DEC 1971.

jeancateae, *Thala* Sphon, 1969: The Veliger 12 (1):85-88, pl. 6, fig 4.

HOLOTYPE: LACM 1202 (dry), 91-110 m, off Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°16.7'N, 91°22.87'W), Leg.: R/V *Velero III*, 15 JAN 1934.

marrowi, *Vexillum (Pusia)* Cernohorsky, 1973: Rec. Auckland Inst. Mus. 10:140-142.

PARATYPE: LACM 1699 (1 dry), Sorrento Beach, N of Perth, Western Australia, Leg.: M.P. Marrow, DEC 1971.

Superfamily OLIVOIDEA Latreille, 1825

Family Olividae Latreille, 1825

cymatilis, *Olivella (Dactylidia)* Berry, 1963b: Leaflets in Malacology 1(23):146.

PARATYPE: LACM 1961 (1 dry), Bahía Magdalena, Pacific Coast Baja California Sur, México, Leg.: C.R. Orcutt, MAR 1917.

inusta, *Olivella (Olivella)* Sowerby, 1915: Ann. Mag. Nat. Hist., 8th ser., 16:165.

SYNTYPES [as "**COTYPES**"]: LACM 1335 (2 dry), Florida.

jeusitarum, *Agaronia* Lopez, Montoya, & Lopez, 1988: The Veliger 30(3):302-303, figs. 21-23.

HOLOTYPE: LACM 2271 (dry); **PARATYPES:** LACM 2272 (5 dry), At river mouth, Playa PoneLOYA, Leon Dept., Nicaragua.

matthewsi, *Ancilla* J.Q. Burch & R.L. Burch, 1967: The Nautilus 80(3):81-82.

PARATYPE: LACM 1248 (1 dry), 29 m, off Fortaleza, Ceara State, Brazil, Leg.: H.R. Matthews, FEB 1966.

murrha, *Agaronia* Berry, 1953c: Trans. San Diego Soc. Nat. Hist. 11(16):417-419.

PARATYPE: LACM 1105 (1 dry), Corinto, Chinandega Dept., Nicaragua, Leg.: H.N. Lowe, 1931.

Remarks: Junior synonym of *Agaronia (Agaronia) griseoalba* (von Martens, 1897) fide Sterba

(2003).

nica, *Agaronia* Lopez, Montoya, & Lopez, 1988: The Veliger 30(3):301-302, fig. 18.
HOLOTYPE: LACM 2269 (dry); **PARATYPES**: LACM 2270 (3 dry), San Juan del Sur, Rivas Dept., Nicaragua.

rejecta, *Oliva* (*Oliva*) J.Q. Burch & R.L. Burch, 1962: The Nautilus 75(4):166.
PARATYPE: LACM 1006 (1 dry); **PARATYPE**: LACM 2154 (1 dry), La Paz, Golfo de California, Baja California Sur, México.
Remarks: Junior synonym of *Oliva spicata* (Roding, 1798) fide Tursch & Greifender (2001); fide Sterba (2003). Paratype LACM 2154 ex UCLA 34976.

sphoni, *Olivella* (*Olivella*) J.Q. Burch & Campbell, 1963: The Nautilus 76(4):124-125.
PARATYPE: LACM 1124 (1 dry), 12 m, between Islas de Dos Hermanos, Mazatlán, Sinaloa, México, Leg.: B. Campbell & V. Bohn, 18 MAY 1961.

Superfamily CANCELLARIOIDEA Forbes & Hanley, 1852

Family Cancellariidae Forbes & Hanley, 1851

mercadoi, *Scalptia* Old, 1968: The Veliger 10(3):286-289, pl. 43, fig. 3a-c.
PARATYPE: LACM 1606 (1 dry), Tayabas Bay, Quezon Prov., Luzon Id., Philippines.

laurettae, *Cancellaria* (*Euclia*) Petit & Harasewych, 1998: The Nautilus 112(4):115-116.
PARATYPE: LACM 2815 (1 dry), 270-360 m, off Isla Montuosa, W of Punta Hermosa, Isla de Coiba, Golfo de Chiriquí, Panamá.

milleri, *Trigonostoma* (*Extractrix*) J.Q. Burch, 1949: Min. Conch. Club So. Calif. 94:3-4.
PARATYPES: LACM 1086 (2 dry), Tambor, Puntarenas Prov., Costa Rica, Leg.: H. Miller, 1947.

Superfamily CONOIDEA Fleming, 1822

Family Conidae Fleming, 1822

aratus, *Conus orbignyi* Kilburn, 1973: Ann. Natal Mus. 21(3):575-576.
PARATYPE: LACM 2071 (1 dry), 274 m, Tongaat-Umhlanga Rocks area, Natal, South Africa.
Remarks: Name preoccupied, renamed *C. orbignyi elokismenos* Kilburn, 1975, The Nautilus 89(2):50.

belizeanus, *Purpuriconus* Petuch & Sargent, 2011a: Visaya 3(3):41-42, pl. 2, figs. 2a-3b + 1 unnumbered fig.
HOLOTYPE: LACM 3145 (dry), 15 m, Southeast Cay, Glover's Atoll, Belizean Ids., Toledo Dist., Belize.

boschorum, *Conus* Moolenbeek & Coomans, 1993: Apex 8(1-2):20-21.
PARATYPES: LACM 2726 (2 wet), Umm Rasas (Rusays), E coast of Masirah Id., Oman, Leg.: R.G. Moolenbeek & H. Dekker, 21 NOV 1991.

fenzani, Dauciconus Petuch & Sargent, 2011a: Visaya 3(3):40, pl. 2, figs. 1a-1b + 1 unnumbered fig.
HOLOTYPE: LACM 3142 (dry), 150 m, NW of Isla Coiba, Golfo de Chiriqui, Veraguas Prov., Panama.

fluviamaris, Jaspidiconus Petuch & Sargent, 2011a: Visaya 3(3):45-46, pl. 5, figs. 1a-5b + 1 unnumbered fig.
HOLOTYPE: LACM 3146 (dry), 10 m, second reef off Hillsboro Inlet, Pompano Beach, Broward Co., Florida, Leg.: T. & P. Honker.

jeffreyi, Calamiconus Petuch & Sargent, 2011a: Visaya 3(3):39, pl. 1, figs. 2a-2b + 1 unnumbered fig.
HOLOTYPE: LACM 3144 (dry), 20 m, Balabac Id., Palawan Prov., Philippines .

kahiko, Conus Kohn, 1980: Jour. Paleo. 54(3):536-540.
PARATYPE: LACM 1915 (1 dry), Waimanalo Formation (Pleistocene), SE side of Ulupa'u Head, Mokapu Peninsula, Ko'olau Poko Dist., O'ahu, Hawaiian Ids. (21°27'N, 157°45.8'W), Leg.: W.B. Wells.
Remarks: Fossil species.

kohni, Conus McLean & Nybakken, 1979: The Veliger 22(2):140-142, figs. 4, 24.
HOLOTYPE: LACM 1885 (shell dry, animal wet), 18-37 m, Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°24.5'S, 90°23'W), Leg.: G. Wellington, 15 JAN 1975.

maya, Gradiconus Petuch & Sargent, 2011a: Visaya 3(3):42, pl. 3, figs. 3a-3b + 1 unnumbered fig.
HOLOTYPE: LACM 3143 (dry): 1 m, Laguna de Yalahua, near Isla Holbox, Quintana Roo, Mexico.

mazzolii, Gradiconus burryae Petuch & Sargent, 2011a: Visaya 3(4):98-101, pl. 2, figs. 1a-5a [actually 5b as there are two figure 5a's on plate] + 1 unnumbered fig.
HOLOTYPE: LACM 3205 (dry); **PARATYPES:** LACM 3206 (4 dry), 1-1.5 m, northern end of Little Torch Key, Little Torch-Big Pine Channel, Monroe Co., Florida, Leg.: N.E. Mazzolii

poormani, Conus Berry, 1968: Leaflets in Malacology 1 (25):156-157.
PARATYPES: LACM 1261 (2 dry), 44-48 m, off Moro Colorado, Sonora, México, Leg.: A. Luna, NOV 1967.

roatanensis, Jaspidiconus Petuch & Sargent, 2011a: Visaya 3(3):44-45, pl. 4, figs. 1^a-5b + 1 unnumbered fig.
HOLOTYPE: LACM 3147 (dry): 10 m, Coxon's Hole, Isla Roatan, Islas de la Bahia, Honduras.

tethys, Virgiconus Petuch & Sargent, 2011b: Visaya 3(3):38, pl. 1, figs. 1a-1b + 1 unnumbered fig.
HOLOTYPE: LACM 3141 (dry), 30 m, Laminusa Id., Tapul Group, Sulu Archipelago, Sulu Prov., Philippines.

tortuganus, Gradiconus Petuch & Sargent, 2011a: Visaya 3(3):43-44, pl. 3, figs. 5a-5b + 1 unnumbered fig.
HOLOTYPE: LACM 3209 [erroneously published as LACM 3143] (dry), 3 m, 6 km due south of Ft. Jefferson, Dry Tortugas, Florida Keys, Monroe Co., Florida.

Family Turridae H. Adams & A. Adams, 1853

abrupta, *Borsonella* (*Borsonella*) McLean & Poorman, 1971: The Veliger 14(1):104-105, fig. 35.

HOLOTYPE: LACM 1524 (dry), 457 m, NW of Isla Santa Maria (= Charles Id.), Isla Galápagos (1°09'S, 90°35'W), Leg.: R/V *Velero III*, 23 JAN 1938.

academica, *Splendrillia* McLean & Poorman, 1971: The Veliger 14(1):98-99, fig. 21.

HOLOTYPE: LACM 1500 (dry), 60 m, Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°45'S, 90°48'W), Leg.: A. & J. DeRoy, 15 OCT 1965.

acclivicallis, *Euclathurella* McLean & Poorman, 1971: The Veliger 14(1):107-108, fig. 42.

HOLOTYPE: LACM 1532 (dry), 75-100 m, Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°16.13'N, 91°22.63'W), Leg.: A. & J. DeRoy, 21 JAN 1968.

acclivicosta, *Bellaspira* McLean & Poorman, 1970: L.A. Co. Mus. Cont. Sci. 189:6-8, fig. 9.

HOLOTYPE: LACM 1193 (dry), 27-37 m, 1 km S of the E point at entrance to Bahía San Carlos, Sonora, México (27°56'N, 111°03'W), Leg.: L. & F. Poorman.

ampla, *Acmaturris* McLean & Poorman, 1971: The Veliger 14(1):108, fig. 43.

HOLOTYPE: LACM 1533 (dry), 64 m, Golfo de Guayaquil, Guayas Prov., Ecuador (3°08'S, 80°49'W), Leg.: R/V *Velero III*, 7 FEB 1934.

amplinucis, *Elaeocyma* McLean & Poorman, 1971: The Veliger 14(1):91-92, fig. 5.

HOLOTYPE: LACM 1472 (dry), 29 m, Bahía James, Isla San Salvador (= James Id.), Islas Galápagos (0°12'S, 90°52'W), Leg.: A. & J. DeRoy, 4 FEB 1969.

andrei, *Fusiturricula* McLean & Poorman, 1971: The Veliger 14(1):99-100, fig. 24.

HOLOTYPE: LACM 1504 (dry); **PARATYPES**: LACM 1505 (4 dry), 100-200 m, off the S coast of Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°47'S, 90°21'W), Leg.: A. & J. DeRoy, 23-29 JUL 1969.

angulosa, *Pyrgocythara* McLean & Poorman, 1971: The Veliger 14(1):109-110, fig. 47.

HOLOTYPE: LACM 1539 (dry); **PARATYPES**: LACM 1540 (8 dry), 0 m, intertidal, Bahía Guasimas, ca. 25 mi. S of Guaymas, Sonora, México (27°50'N, 111°33'W), Leg.: L.T. Findley & P.M. Oringer, 10 APR 1968.

arga, *Splendrillia* McLean & Poorman, 1971: The Veliger 14(1):99.

PARATYPE: LACM 1501 (1 dry), 13 m, Puerto Guatulco, Oaxaca, México (15°44.47'N, 96°07.85'W), Leg.: W. Bebee & T. Crocker, 5 DEC 1937.

arteaga, *Mangelia* Dall & Bartsch, 1910: Mem. Canadian Dept. Mines 14-N:11.

PARATYPE: LACM 1424 (1 dry), 11-62 m, Barkley Sound, Alberni-Clayoquot Dist. Vancouver Id., British Columbia, Canada, Leg.: J. Macoun.

Remarks: Currently in the genus *Kurtzia* fide McLean (1971).

asymmetrica, *Cerodrillia* McLean & Poorman, 1971: The Veliger 14(1):98, fig. 20.

HOLOTYPE: LACM 1498 (dry); **PARATYPES**: LACM 1499 (2 dry), 18-33 m, Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°16.13'N, 91°22.63'W), Leg.: R/V *Velero III*, 15

JAN 1934.

badia, *Agladrillia* McLean & Poorman, 1971: The Veliger 14(1):94, fig. 11.

HOLOTYPE: LACM 1481 (dry); **PARATYPES:** LACM 1482 (2 dry), 170-200 m, off the S coast of Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°47'S, 90°21'W), Leg.: A. & J. DeRoy, 26-29 JUL 1969.

baileyi, *Cymakra* McLean & Poorman, 1971: The Veliger 14(1):105-106, fig. 37.

HOLOTYPE: LACM 1527 (dry), 60 m, off Cabo San Lucas, Golfo de California, Baja California Sur, México (22°56.60'N, 109°47'W), Leg.: R/V *Velero III*, 18 FEB 1936.

barbarae, *Brachycythara* Lyons, 1972: The Nautilus 86(1):4.

PARATYPE: LACM 1552 (1 dry), 55 m, off Egmont Key, Hillsborough Co., Florida (27°37'N, 83°58'W), Leg.: Project Hourglass, 11 AUG 1966.

berryi, *Drillia* McLean & Poorman, 1971: The Veliger 14(1):97-98, fig. 19.

HOLOTYPE: LACM 1496 (dry); **PARATYPE:** LACM 1497 (1 dry), 48 m, off Tovari, Sonora, México (27°22'N, 110°20'W), Leg.: A. Luna, DEC 1968.

Remarks: Currently in the genus *Clathrodrillia*.

bicarinata, *Clathrodrillia* Shasky, 1961: The Veliger 4(1):21.

PARATYPE: LACM 1013 (1 dry), 73-165 m, between Islas Partida & Espíritu Santo, Baja California Sur, Golfo de California, México, Leg.: Ariel Exped., 30 AUG 1960.

Remarks: Currently in the genus *Compsodrillia* fide McLean (1971).

bisaya, *Lophiotoma* Olivera, 2004: Sci. Diliman 16:10-11.

PARATYPE: LACM 3076 (dry), 45.7-73.2 m, Aligway Id., Zamboanga del Norte Prov., Mindanao Id., Philippines.

brasiliana, *Borsonia* Tippett, 1983: The Nautilus 97(4):136-138.

PARATYPES: LACM 1737 (2 dry), 274 m, 200 mi. NW of Sao Luis, Amapa Federal Terr., Brazil (0°18'N, 44°17'W), Leg.: R/V *Oregon*, 9 MAR 1963.

bratcherae, *Splendrillia* McLean & Poorman, 1971: The Veliger 14(1):99, fig. 23.

HOLOTYPE: LACM 1502 (dry); **PARATYPES:** LACM 1503 (2 dry), 37 m, S of Isla Tiburón, Golfo de California, México (28°43.7'N, 112°17.8'W), Leg.: R/V *Velero III*, 11 MAR 1936.

chilensis, *Ptychosyrinx* Berry, 1968: Leaflets in Malacology 1(25):158.

HOLOTYPE: LACM 1912 (dry), 366 m, off Coquimbo, Coquimbo Prov., Chile, 22 JAN 1962.

Remarks: Currently in the genus *Gemmula*.

chrysochildosa, *Zonulispira* Shasky, 1971: The Veliger 14(1):69, fig. 4.

HOLOTYPE: LACM 1569 (dry), 0 m, intertidal, Playa Veracruz, Pacific Coast of Panama Canal Zone, Panamá (8°53'N, 79°36'W), Leg.: D.R. Shasky & J.H. McLean, 8-11 MAR 1970;

PARATYPES: LACM 1570 (20 dry), 0 m, intertidal, Isla Venado, Pacific Coast of Panama Canal Zone, Panamá (8°53'N, 79°36'W), Leg.: D.R. Shasky & J.H. McLean, 8-11 MAR 1970.

clarionensis, *Bellaspira* McLean & Poorman, 1970: L.A. Co. Mus. Cont. Sci. 189:9-11, fig. 16.

HOLOTYPE: LACM 1366 (dry), 51-82 m, Bahía Sulphur, Isla Clarión, Islas Revillagigedo, México, Leg.: R/V *Velero III*, 16 MAR 1939; **PARATYPE:** LACM 1367 (1 dry), 59 m, Bahía Sulphur, Isla Clarión, Islas Revillagigedo, México (18°20'N, 114°44'W), Leg.: R/V *Velero III*, 5

JAN 1934.

clendenini, *Miraclathurella* Garcia, 2008: Novapex 9(1):11-12.

PARATYPE: LACM 3087 (1 dry), 63-65 m, Bahía de Campeche, northwest of Campeche, Campeche, México (20°51'N, 92°21'W), 10 JUN 2005.

coltrorum, *Strictispira* Tippett, 2006: Malacologia 48(1-2):45-47.

PARATYPE: LACM 3070 (1 dry), 25-30 m, off Escavaldá Id., Guarapari, Espírito State, Brazil, Leg.: A. Bodart, DEC 1993.

contracta, *Kylix* McLean & Poorman, 1971: The Veliger 14(1):92-93, fig. 7.

HOLOTYPE: LACM 1474 (dry); **PARATYPE:** LACM 1475 (1 dry), 73-128 m, Bahía Guatulco, Oaxaca, México (15°43'N, 96°08'W), Leg.: G. Willett, 7 MAR 1938.

coracina, *Crassispira* (*Striospira*) McLean & Poorman, 1971: The Veliger 14(1):100-101, fig. 26.

HOLOTYPE: LACM 1508 (dry); **PARATYPES:** LACM 1509 (4 dry), 0 m, intertidal, Isla Venado, Pacific Coast of Panama Canal Zone, Panamá (8°53'N, 79°36'W), Leg.: J.H. McLean & D.R. Shasky, 8-11 MAR 1970.

cunninghamae, *Drillia* (*Drillia*) McLean & Poorman, 1971: The Veliger 14(1):95, fig. 14.

HOLOTYPE: LACM 1487 (dry); **PARATYPE:** LACM 1488 (1 dry), 18-64 m, near Bahía Kino and Bahía Agiabampo, Sonora, México, Leg.: A. Luna, NOV 1963.

currani, *Crassispira* (*Monilispira*) McLean & Poorman, 1971: The Veliger 14(1):101, fig. 27.

HOLOTYPE: LACM 1510 (dry); **PARATYPE:** LACM 1511 (1 dry), 0 m, intertidal, Sayulita, Nayarit, México (20°52'N, 105°28'W), Leg.: G. Sphon & N. Currin, 9-23 MAR 1970.

cyrene, *Mangelia* Dall, 1919a: Proc. USNM 56(2288):62-63.

PARATYPES: LACM 1440 (3 dry), 48 m, off La Paz, Golfo de California, Baja California Sur, México.

Remarks: Currently in the genus *Kurtziella* fide McLean (1971).

deroyae, *Rimsodaphnella* McLean & Poorman, 1971: The Veliger 14(1):111, fig. 50.

HOLOTYPE: LACM 1543 (dry); **PARATYPES:** LACM 1544 (4 dry), 201 m, Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°45'S, 90°48'W), Leg.: A. & J. DeRoy, 5 DEC 1969.

deroyorum, *Buridrilla* Emerson & McLean, 1992: The Nautilus 106(1):39-41, figs. 9-12.

PARATYPES: LACM 2464 (7 dry), 365 m, off Isla Pinzon (= Duncan Id.), Islas Galápagos (0°25'S, 90°43'W), Leg.: A. & J. Deroy, MAR 1979.

Remarks: Erroneously published as LACM 2461. Radula mounted on glass slide.

diegensis, *Borsonia* (*Borsonella*) Dall, 1908: Bull. Mus. Comp. Zool. 43(6):275-276.

PARATYPE: LACM (1 dry), 1503 m, off San Diego, San Diego Co., California, Leg.: R/V *Albatross*.

dushanae, *Thelecythara* McLean & Poorman, 1971: The Veliger 14(1):108-109, fig. 44.

HOLOTYPE: LACM 1534 (dry), 31 m, 1 mi. S of E promontory at entrance to Bahía San Carlos, Guaymas, Sonora, México (27°56'N, 111°05'W), Leg.: F. & R. Poorman, APR 1962.

electra, *Cytharella* Dall, 1919a: Proc. USNM 56(2288):77.

PARATYPE: LACM 1429 (2 dry), Head of Bahía Concepción, Golfo de California, Baja California Sur, México, Leg.: P. Bartsch.

Remarks: Currently in the genus *Platycythara* fide McLean (1971).

elenensis, *Kurtzia* McLean & Poorman, 1971: The Veliger 14(1):109, fig. 45.

HOLOTYPE: LACM 1535 (dry); **PARATYPE:** LACM 1536 (1 dry), 64 m, Golfo de Guayaquil, Guayas Prov., Ecuador (3°08'N, 80°49'W), Leg.: R/V *Velero III*, 7 FEB 1934.

emersoni, *Pyrgocythara* Shasky, 1971: The Veliger 14(1):72, fig. 10.

HOLOTYPE: LACM 1579 (dry); **PARATYPE:** LACM 1580 (1 dry), 0 m, intertidal, Agua de Chale, Golfo de California, Baja California, México (30°42'N, 114°41'W), Leg.: H. DuShane, MAY 1962.

firmichorda, *Leptadrillia* McLean & Poorman, 1971: The Veliger 14(1):93, fig. 9.

HOLOTYPE: LACM 1478 (dry), 22 m, Bahía Cupica, Choco Dept., Colombia (6°39'N, 77°31'W), Leg.: R/V *Velero III*, 26 JAN 1935.

friedrichbonhofferi, *Lophiotoma* Olivera, 2004: Sci. Diliman 16:8-10.

PARATYPE: LACM 3075 (dry), Aligway Id., Zamboanga del Norte Prov., Mindanao Id., Philippines, FEB 2003.

flucticulus, *Agladrillia* McLean & Poorman, 1971: The Veliger 14(1):94-95, fig. 12.

HOLOTYPE: LACM 1483 (dry); **PARATYPE:** LACM 1484 (1 dry), 64 m, off Puerto Madero, Golfo de Tehuantepec, Chiapas, México (14°24'N, 92°34'W), Leg.: D.R. Shasky, 11 JUL 1963.

galapagana, *Borsonella* McLean & Poorman, 1971: The Veliger 14(1):105, fig. 36.

HOLOTYPE: LACM 1525 (dry); **PARATYPES:** LACM 1526 (3 dry), 170-200 m, off the S coast Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°47'S, 90°21'W), Leg.: A. & J. DeRoy, 26-27 JUL 1969.

garciacubasi, *Pilsbryspira* (*Pilsbryspira*) Shasky, 1971: The Veliger 14(1):69-70, fig. 5.

HOLOTYPE: LACM 1571 (dry); **PARATYPES:** LACM 1572 (3 dry), 2-15 m, Cuastecomate Cove, Jalisco, México (19°13.7'N, 104°44.88'W), Leg.: D.R. Shasky, 8-9 AUG 1965.

gemmaifera, *Daphnella* McLean & Poorman, 1971: The Veliger 14(1):110, fig. 48.

HOLOTYPE: LACM 1541 (dry), 201 m, off the S coast of Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°47'S, 90°21'W), Leg.: A. & J. DeRoy, 6 DEC 1969.

girardi, *Cerodrillia* Lyons, 1972: The Nautilus 86(1):3-4.

PARATYPE: LACM 1551 (1 dry), 55 m, off Egmont Key, Hillsborough Co., Florida (27°37'N, 83°58'W), Leg.: Project Hourglass, 11 AUG 1966.

gorgonensis, *Agladrillia* McLean & Poorman, 1971: The Veliger 14(1):95, fig. 13.

HOLOTYPE: LACM 1485 (dry); **PARATYPES:** LACM 1486 (2 dry), 73-110 m, N of Isla Gorgona, Cauca Dept., Colombia (3°01'N, 78°10.92'W), Leg.: R/V *Velero III*, 24 FEB 1938.

gracilis, *Compsodrillia* McLean & Poorman, 1971: The Veliger 14(1):103, fig. 31.

HOLOTYPE: LACM 1517 (dry); **PARATYPES:** LACM 1518 (3 dry), 100-200 m, off the S coast of Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°47'S, 90°21'W), Leg.: A. & J. DeRoy, 23-29 JUL 1969.

- granata*, *Cymakra* McLean & Poorman, 1971: The Veliger 14(1):106, fig. 38.
HOLOTYPE: LACM 1528 (dry), 37-73 m, off the SW end of Isla Monserrate, Golfo de California, Baja California Sur, México (25°34'N, 111°05'W), Leg.: Ariel Exped., 1 SEP 1960.
- harryleei*, *Darrylia* Garcia, 2008: Novapex 9(1):10-11.
PARATYPE: LACM 3088 (1 dry), 0.2 m, "The Key," Oakridge, south-central Roatan, Islas de La Bahia Dept., Honduras. DEC 1992.
- hertleini*, *Doxospira* Shasky, 1971: The Veliger 14(1):67-68.
PARATYPE: LACM 1565 (1 dry), 77-112 m, 14 mi. SSE of Punta Judas, Puntarenas Prov., Costa Rica (9°19.53'N, 84°29.5'W), Leg.: W. Bebee, 1 MAR 1938.
- humboldti*, *Kurtzia* McLean & Poorman, 1971: The Veliger 14(1):109, fig. 46.
HOLOTYPE: LACM 1537 (dry); **PARATYPES**: LACM 1538 (2 dry), 18-33 m, Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°16.13'S, 91°22.63'W), Leg.: R/V *Velero III*, 15 JAN 1934.
- informa*, *Kermia* McLean & Poorman, 1971: The Veliger 14(1):112, fig. 52.
HOLOTYPE: LACM 1546 (dry); **PARATYPES**: LACM 1547 (2 dry), 15-18 m, Bahía Cartago, Isla Isabela (= Albemarle Id.), Islas Galápagos (0°36'S, 90°57.18'W), Leg.: R/V *Velero III*, 25 JAN 1934.
- inornata*, *Drillia* (*Drillia*) McLean & Poorman, 1971: The Veliger 14(1):95-96, fig. 15.
HOLOTYPE: LACM 1489 (dry); **PARATYPES**: LACM 1490 (3 dry), 93-99 m, off Puerto Refugio, Isla Angel de la Guarda, Golfo de California, México (29°33.7'N, 113°30.78'W), Leg.: R/V *Velero III*, 29 JAN 1940.
- jaliscoensis*, *Calliclava* McLean & Poorman, 1971: The Veliger 14(1):90, fig. 1.
HOLOTYPE: LACM 1465 (dry); **PARATYPE**: LACM 1466 (1 dry), 37-73 m, Bahía Tenacatita, Jalisco, México (19°17'N, 104°50'W), Leg.: G. Willett, 18 FEB 1938.
- klasmidia*, *Agathotoma* (*Vitricythara*) Shasky, 1971: The Veliger 14(1):71, fig. 8.
HOLOTYPE: LACM 1576 (dry); **PARATYPES**: LACM 1577 (3 dry), 16-20 m, ca. 1 mi. off Bahía Olas Atlas, Mazatlán, Sinaloa, México (23°11.7'N, 106°27'W), Leg.: D.R. Shasky, 23 DEC 1962.
- lachrymosa*, *Carinodrillia* McLean & Poorman, 1971: The Veliger 14(1):102-103, fig. 30.
HOLOTYPE: LACM 1515 (dry); **PARATYPE**: LACM 1516 (1 dry), 5-20 m, S side of Bahía Cuastecomate, 3 mi. NW of Barra de Navidad, Jalisco, México (19°13.7'N, 104°44.88'W), Leg.: J.H. McLean, 13-21 OCT 1968.
- levicallis*, *Daphnella* Poorman, 1983: The Veliger 26(1):7-8.
PARATYPE: LACM 2039 (1 dry), 80-100 m, 5 km S of Tetas de Cabra, Estero San Carlos, Sonora, México (27°54'N, 111°05'W).
- lucida*, *Calliclava* McLean & Poorman, 1971: The Veliger 14(1):90-91, fig. 2.
HOLOTYPE: LACM 1467 (dry), 18-37 m, off Punta Gorda, Golfo de California, Baja California Sur, México (123°08'N, 109°35'W), Leg.: J.H. McLean & P.M. Oringer, 5 APR 1966.
Remarks: Incorrect latitude cited by McLean & Poorman; correct latitude is 23°08'N.

maculata, *Drillia moesta* Williamson, 1905b: Bull. So. Calif. Acad. Sci. 4(8): 122-123.

HOLOTYPE: LACM 1052 (dry), Pt. Fermin, San Pedro, Los Angeles Co., California.

Remarks: Junior synonym of *Pseudomelatoma penicillata* (Carpenter, 1865) fide McLean (1971).

maesae, *Maesiella* McLean & Poorman, 1971: The Veliger 14(1):101-102, fig. 29.

HOLOTYPE: LACM 1513 (dry); **PARATYPES:** LACM 1514 (3 dry), 9-18 m, first cove N of Saladita Cove, near Guaymas, Sonora, México (27°53.2'N, 110°58'W), Leg.: J.H. McLean, 29 MAY-1 JUN 1968.

margaritensis, *Bellaspira* McLean & Poorman, 1970: L.A. Co. Mus. Cont. Sci. 189:5-6, fig. 6.

HOLOTYPE: LACM 1337 (dry); **PARATYPES:** LACM 1338 (2 dry), 31-38 m, 4-7 mi. N of Isla de Margarita, Nueva Esparta State, Venezuela (11°08'N, 64°17'W), Leg.: R/V *Velero III*, 21 APR 1939.

martiae, *Crassispira* (*Dallspira*) McLean & Poorman, 1971: The Veliger 14(1):100, fig. 25.

HOLOTYPE: LACM 1506 (dry); **PARATYPES:** LACM 1507 (6 dry), 0 m, intertidal, Isla Venado, Pacific Coast of Panama Canal Zone, Panamá (8°53'N, 79°36'W), Leg.: J.H. McLean, 8-11 MAR 1970.

maryae, *Clathurella* McLean & Poorman, 1971: The Veliger 14(1):106, fig. 39.

HOLOTYPE: LACM 1529 (dry), 31 m, 1 mi. S of E promontory at entrance to Bahía San Carlos, Guaymas, Sonora, México (27°56'N, 111°05'W), Leg.: F. & R. Poorman, DEC 1963.

melichroa, *Elaeocyma* McLean & Poorman, 1971: The Veliger 14(1):92, fig. 6.

HOLOTYPE: LACM 1473 (dry), 37-73 m, N of, Isla Espanola (= Hood Id.), Islas Galápagos (1°21.92'N, 90°40.08'W), Leg.: R/V *Velero III*, 28 JAN 1938.

mendozana, *Miraclathurella* Shasky, 1971: The Veliger 14(1):68, fig. 2.

HOLOTYPE: LACM 1566 (dry), 37-73 m, Golfo de Tehuantepec, Oaxaca, México (15°43'N, 96°07'W), Leg.: D.R. Shasky, San Juan Exped., 14 JUL 1963.

myrae, *Glyphostoma* (*Glyphostoma*) Shasky, 1971: The Veliger 14(1):70, fig. 6.

HOLOTYPE: LACM 1573 (dry), 46 m, off Isla Jicarita, Veraguas Prov., Panamá (7°12'N, 81°47'W), Leg.: F. Lewis, 1937.

olssoni, *Compsodrillia* McLean & Poorman, 1972: The Veliger 14(1):103-104, fig. 32.

HOLOTYPE: LACM 1519 (dry); **PARATYPES:** LACM 1520 (6 dry), 15-18 m, off Bahía Santa Elena, Guayas Prov., Ecuador (2°08.3'S, 81°00.2'W), Leg.: R/V *Velero III*, 9 FEB 1934.

opaca, *Compsodrillia* McLean & Poorman, 1971: The Veliger 14(1):104, fig. 33.

HOLOTYPE: LACM 1521 (dry); **PARATYPE:** LACM 1522 (1 dry), 139-141 m, Ranger Bank, off Isla Cedros, Pacific Coast Baja California, México (28°31.02'N, 115°30.52'W), Leg.: R/V *Velero III*, 25 FEB 1941.

pamglaensis, *Lophiotoma* Olivera, 2004: Sci. Diliman 16:18-210.

PARATYPE: LACM 3078 (dry), 95.1-122.6 m, east of Talaga, Batangas Bay, Batangas Prov., Luzon Id., Philippines, 26 JUL 1966

petiti, *Fenimorea* Tippett, 1995: The Nautilus 109(4):133.

PARATYPE: LACM 2795 (1 dry). 59 m, Gulf of Mexico, W of Crystal River, Citrus Co.,

Florida, MAY 1963.

powelli, *Kurtziella* (*Rubellatoma*) Shasky, 1971: The Veliger 14(1):70-71, fig. 7.

HOLOTYPE: LACM 1574 (dry); **PARATYPE**: LACM 1575 (1 dry), 0 m, intertidal, Agua de Chale, Golfo de California, Baja California, México (30°42'N, 114°41'W), Leg.: D.R. Shasky, 3-6 MAY 1962.

queenslandica, *Lophiotoma indica* Olivera, 2004: Sci. Diliman 16:6-8, fig. 1B6.

PARATYPE: LACM 3074 (dry), 167.4-201.3 m, Swain Reef, Queensland, Australia, Leg. H. Morrison.

quentinensis, *Cryptogemma* Dall, 1919a: Proc. USNM 56(2238):32.

PARATYPES: LACM 1423 (2 dry), 1503 m, off San Diego, San Diego Co., California.

rectilabrum, *Lioglyphostoma* McLean & Poorman, 1971: The Veliger 14(1):101, fig. 28.

HOLOTYPE: LACM 1512 (dry), 73-229 m, off Cabo Haro, Guaymas, Sonora, México (27°50'N, 111°55'W), Leg.: Ariel Exped., 2 SEP 1960.

redferni, *Strictispira* Tippett, 2006: Malacologia 48(1-2):54-60.

PARATYPE: LACM 3071 (1 dry), lee side of Great Guana Cay, Great Abaco, Bahamas, Leg.: C. Redfern, 9 JUL 1992.

redondoensis, *Pseudomelatoma semiinflata* T. Burch, 1938: The Nautilus 52(1):21-22, fig. 2.

HOLOTYPE: LACM 1751 (dry); **PARATYPE**: LACM 2151 (1 dry), 46 m, Redondo Beach, Los Angeles Co., California, Leg.: T.A. Burch, 25 NOV 1937; **PARATYPES**: LACM 1011 (3 dry), 46 m, off Redondo Beach, Los Angeles Co., California, Leg.: T.A. & J.Q. Burch, & Mackenzie Gordon, 8 MAY 1938; **PARATYPE**: LACM 2152 (1 dry), 27 m, Redondo Beach, Los Angeles Co., California, Leg.: T.A. Burch.

Remarks: Junior synonym of *Crassispira* (*Burchia*) *semiinflata* (Grant & Gale, 1931) fide McLean (1971). Holotype ex AHF 381, paratype LACM 2151 ex UCLA 8181, paratype LACM 2152 ex UCLA 22141.

retusa, *Daphnella* McLean & Poorman, 1971: The Veliger 14(1):110-111, fig. 49.

HOLOTYPE: LACM 1542 (dry), 37-73 mm, off Loreto, Golfo de California, Baja California Sur, México (26°02'N, 116°16'W), Leg.: Ariel Exped., 29 AUG 1960.

rhodina, *Calliclava* McLean & Poorman, 1971: The Veliger 14(1):91, fig. 3.

HOLOTYPE: LACM 1468 (dry); **PARATYPE**: LACM 1469 (1 dry), Bahía Isla Grande, Guerrero, México (17°42'N, 101°41'W), Leg.: W.J. Seaholm, 1940.

ricaudae, *Elaeocyma* Berry, 1969: Leaflets in Malacology 1(26):164-165.

HOLOTYPE: LACM 1911 (dry); **PARATYPES**: LACM 1445 (2 dry), 44-48 m, near Boca de Soledad, Pacific Coast Baja California Sur, México, Leg.: A. Luna, 1966.

scobina, *Glyphostoma* (*Glyphostoma*) McLean & Poorman, 1971: The Veliger 14(1):107, fig. 41.

HOLOTYPE: LACM 1530 (dry); **PARATYPES**: LACM 1531 (3 dry), 170-200 m, off the S coast of Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°47'S, 90°21'W), Leg.: A. & J. DeRoy, 25 JUL 1965.

scotti, *Crockerella* McLean, 1995: Tax. Atlas Santa Maria Basin 9(2)(1):145-146, fig. 1.29B

HOLOTYPE: LACM 2775 (dry); **PARATYPES:** LACM 2776 (8 dry), 100 m, 2.15 mi. 081 degrees T to oil platform "HOLLY," off Santa Barbara, Santa Barbara Co., California (34°23.01'N, 119°56.94'W), Leg.: R/V *Velero IV*, 10 NOV 1975.

sculpturata, *Bela* Dall, 1887: Proc. USNM 9(571):299.

PARATYPES: LACM 1442 (2 dry), Chiachi Ids., Alaska Peninsula, Aleutian Ids. Co., Alaska, Leg.: W.H. Dall.

Remarks: Currently in the genus *Oenopota* fide Shimek (1987).

secalis, *Agathotoma* (*Vitricythara*) Shasky, 1971: The Veliger 14(1):71-72, fig. 9.

HOLOTYPE: LACM 1578 (dry), 16-22 m, ca. 1 mi. off Bahía Olas Atlas, Mazatlán, Sinaloa, México (23°11.7'N, 106°27'W), Leg.: D.R. Shasky, 23 DEC 1962.

shaskyi, *Philbertia* McLean & Poorman, 1971: The Veliger 14(1):111-112, fig. 51.

HOLOTYPE: LACM 1545 (dry), 37-73 m, off the SW end of Isla Monserrate, Golfo de California, Baja California Sur, México (25°34'N, 111°05'W), Leg.: Ariel Exped., 1 SEP 1960.

sikatunai, *Gemmula* Olivera, 2005: Sci. Diliman, 17:3-7.

PARATYPE: LACM 3079 (dry), Tayabas Bay, Quezon Prov., Luzon Id., Philippines, 1960.

sinuosa, *Drillia* (*Drillia*) McLean & Poorman, 1971: The Veliger 14(1):96-97, fig. 16.

HOLOTYPE: LACM 1491 (dry), 150 m, off S coast of Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos, Leg.: A. & J. DeRoy, 10 JUN 1968.

Remarks: Name preoccupied, renamed *Drillia macleani* Tucker, 1992, The Nautilus 106(2):76.

sogodensis, *Gemmula* Olivera, 2005: Sci. Diliman 17:8-10.

PARATYPE: LACM 3080 (dry), 91.5-183 m, off Tap'ing Ting Chaio, Taiwan, Leg.: F. Steiner, AUG 1968, **PARATYPE:** LACM 3081 (2 dry), Kii-suido, Wakayama Pref., Honshu, Japan.

stillmani, *Strictispira* Shasky, 1971: The Veliger 14(1):68-69, fig. 3.

HOLOTYPE: LACM 1567 (dry); **PARATYPES:** LACM 1568 (18 dry), 0 m, intertidal, Isla Venado, Pacific Coast Panama Canal Zone, Panamá (8°53'N, 79°36'W), Leg.: J.H. McLean & D.R. Shasky, 8-11 MAR 1970.

strigillata, *Clathromangelia*(?) Pallary, 1904: Jour. de Conchyl. 52:222-223.

PARATYPES: LACM 2226 (2 dry), Sfax, Tunisia.

subtilis, *Calliclava* McLean & Poorman, 1971: The Veliger 14(1):91, fig. 4.

HOLOTYPE: LACM 1470 (dry); **PARATYPES:** LACM 1471 (3 dry), 44 m, Isla Jicarita, Veraguas Prov., Panamá (7°12.5'N, 81°47.08'W), Leg.: R/V *Velero III*, 20 FEB 1934.

taprurensis, *Ginnania* Pallary, 1904: Jour. de Conchyl. 52:218.

PARATYPE: LACM 2227 (1 dry), Sfax, Tunisia.

Remarks: Currently in the genus *Bella* fide Powell (1966).

tayabasensis, *Lophiotoma* Olivera, 2004: Sci. Diliman 16:11-13.

PARATYPE: LACM 3077 (dry), 54.9-219.6 m, between Mactan Id., Cebu Prov. and Bohol Prov., Philippines.

tornipila, *Veprecula* McLean & Poorman, 1971: The Veliger 14(1):112, fig. 53.

HOLOTYPE: LACM 1548 (1 dry), 146-183 m, Caleta Tagus, Isla Isabela (= Albemarle Id.), Islas

Galápagos (0°16'S, 91°57.18'W), Leg.: R/V *Velero III*, 15 JAN 1934.

tumida, *Drillia* (*Drillia*) McLean & Poorman, 1971: The Veliger 14(1):97, fig. 17.

HOLOTYPE: LACM 1492 (dry); **PARATYPES**: LACM 1493 (24 dry), 37-73 m, Bahía de las Banderas, Jalisco, México (20°43'N, 105°25'W), Leg.: G. Willett, 14 FEB 1938.

undatichorda, *Compsodrillia* McLean & Poorman, 1971: The Veliger 14(1):104-105, fig. 34.

HOLOTYPE: LACM 1523 (dry), 91-128 m, between Albany & Isla San Salvador (= James Id.), Islas Galápagos (0°10.7'S, 90°52.13'W), Leg.: R/V *Velero III*, 24 JAN 1934.

valida, *Drillia* (*Drillia*) McLean & Poorman, 1971: The Veliger 14(1):97, fig. 18a-b.

HOLOTYPE: LACM 1494 (dry), 90 m, 8.5 mi. S of Dewey Channel, Pacific Coast Baja California Sur, México (27°42'N, 115°05.13'W), Leg.: R/V *Velero III*, 27 FEB 1941;

PARATYPE: LACM 1495 (1 dry), 137 m, San Jaime Bank, off Cabo San Lucas, Pacific Coast Baja California Sur, México (22°50.5'N, 110°15'W), Leg.: R/V *Velero III*, 3 MAR 1937.

vitrea, *Syntomodrillia* McLean & Poorman, 1971: The Veliger 14(1):93-94, fig. 10.

HOLOTYPE: LACM 1479 (dry); **PARATYPE**: LACM 1480 (1 dry), 4-9 m, Bahía Taboga, Isla Taboga, Panamá Prov., Panamá (8°47'N, 79°33'W), 24 JUL 1951.

wolfei, *Drillia* (*Drillia*) Tippett, 1995: The Nautilus 109(4):127, 129.

PARATYPE: LACM 2794 (1 dry), 36 m, 15 km E of Cape Lookout, Carteret Co., North Carolina, Leg.: D. Wolfe, MAR-MAY 1971.

woodringi, *Kylix* McLean & Poorman, 1971: The Veliger 14(1):93, fig. 8.

HOLOTYPE: LACM 1476 (dry); **PARATYPES**: LACM 1477 (3 dry), 44 m, Isla Jicarita, Veraguas Prov., Panamá (7°12.5'N, 81°47.08'W), Leg.: R/V *Velero III*, 20 FEB 1934.

Family Terebridae Mörch, 1852

albocancellata, *Terebra* Bratcher, 1988: The Veliger 30(4):413, 415.

PARATYPE: LACM 2829 (1 dry), Chesterfield Ids., New Caledonia Outliers, New Caledonia (36°42'S, 158°59'E); **PARATYPES**: LACM 2830 (3 dry), 15.5 m, off Sogod, Cebu Prov., Philippines.

alboflava, *Hastula* Bratcher, 1988: The Veliger 30(4):415-416, figs. 2, 5.

HOLOTYPE: LACM 2262 (dry); **PARATYPES**: LACM 2830 (3 dry), 15.5 m, off Sogod, Cebu Prov., Philippines.

allyni, *Terebra* Bratcher & R.D. Burch, 1970a: The Veliger 12(3):298-299.

PARATYPE: LACM 1254 (2 dry), 9-18 m, E shore of Isla Maria Madre, Islas Tres Marias, Nayarit, México (21°35'N, 106°26'W).

apicitincta, *Hastula* Sowerby, 1900: Proc. Malac. Soc. London 4(1):5.

SYNTYPES [as "**COTYPES**"]: LACM 1324 (2 dry), Port Alfred (= The Kowie), Cape Prov., South Africa.

baileyi, *Duplicaria* Bratcher & Cernohorsky, 1982: The Nautilus 96(2):64-65, figs. 5, 11.

HOLOTYPE: LACM 1970 (dry); **PARATYPE**: LACM 2824 (1 dry), 20 m, Guadalcanal Id., Solomon Ids. (9°25'S, 159°56'E), Leg.: B. Bailey; **PARATYPE**: LACM 2823 (1 dry),

Balut Sarangani Ids., Davao Prov., Mindanao Id., Philippines.

betsyae, *Hastula* R.D. Burch, 1965: The Veliger 7(4):243.

PARATYPES: LACM 1214 (12 dry), 6 m, Honokohau, Lahaina Dist., Maui, Hawaiian Ids., Leg.: Alan Tiedman, DEC 1965.

Remarks: Junior synonym of *Hastula penicillata* (Hinds, 1844) fide Bratcher & Cernohorsky (1987).

boucheti, *Terebra* Bratcher, 1981: The Veliger 23(4):329-330.

PARATYPES: LACM 1364 (2 dry), 67-70 m, Batangas Prov., Luzon Id., Philippines (14°16'N, 120°31'E), Leg.: Musorstrum Exped.

brandi, *Terebra* Bratcher & R.D. Burch, 1970a: The Veliger 12(3):296-297, pl. 44, figs. 5-6.

HOLOTYPE: LACM 1252 (dry); **PARATYPE:** LACM 1253 (1 dry), 9-18 m, Bahía Petatlan, Guerrero, México (17°31.7'N, 101°27.57'W), Leg.: R/V *Velero III*, 3 MAR 1934.

burchi, *Terebra* Bratcher & Cernohorsky, 1982: The Nautilus 96(2):63.

PARATYPES: LACM 1971 (2 dry), 15-20 m, northern Mozambique Channel, Archipelago de Comoros (12°45'S, 45°18'E), Leg.: Benthedi Exped.

caddeyi, *Terebra* Bratcher & Cernohorsky, 1982: The Nautilus 96(2):63, figs. 4, 12.

HOLOTYPE: LACM 1967 (dry); **PARATYPE:** LACM 2820 (1 dry), 3 m, Korere Village, Rabaul, New Britain, Bismarck Arch., Papua New Guinea, Leg.: P.T. Caddey.

campbelli, *Terebra* (*Strioterebra*) R.D. Burch, 1965: The Veliger 7(4):247-248.

PARATYPE: LACM 1461 (1 dry), 128 m, off Tosa, Tosa-wan, Kochi Pref., Shikoku, Japan, 1963.

carolae, *Terebra* Bratcher, 1979a: The Veliger 22(1):63-64, figs. 5, 7.

HOLOTYPE: LACM 1178 (dry); **PARATYPES:** LACM 1184 (12 dry), 54 m, off Punta Hughes, Bahía Santa Maria, Pacific Coast Baja California Sur, México (24°45.08'N, 112°19'W), Leg.: R/V *Velero III*, 7 MAR 1934; **PARATYPES:** LACM 2816 (9 dry), Laguna San Ignacio, Pacific Coast Baja California Sur, México, Leg.: T. Bratcher; **PARATYPES:** LACM 2817 (7 dry), 36-40 m, Bahía San Bartolome (= Turtle Bay), Pacific Coast Baja California Sur, México, Leg.: D. Brown; **PARATYPES:** LACM 2818 (5 dry), 15 m, Bahía Santa Maria, Pacific Coast Baja California Sur, México, Leg.: D. Brown, 1973; **PARATYPE:** LACM 2995 (1 dry), 14.6 m, off Isla Cedros, Pacific Coast Baja California Sur, México.

cernohorskyi, *Terebra* (*Punctoterebra*) R.D. Burch, 1965: The Veliger 7(4):244-245.

PARATYPE: LACM 1462 (1 dry), Natadola Id., Viti Levu Group, Fiji (18°06.6'S, 19°30'E), Leg.: A. Morse, 1959.

colorata, *Terebra* Bratcher, 1988: The Veliger 30(4):416.

PARATYPES: LACM 2263 (9 dry), Lighthouse Beach, Augusta, Western Australia (34°20'S, 115°10'E).

crakei, *Duplicaria* R.D. Burch, 1965: The Veliger 7(4):245-246.

PARATYPES: LACM 1212 (32 dry), Cable Beach, Broome, Western Australia, Leg.: T. Crake;

PARATYPE: LACM 2073 (1 dry), Broome, Western Australia, Leg.: T. Crake; **PARATYPE:** LACM 2996 (1 dry), Cable Beach, Broome, Western Australia, Leg.: T. Crake.

danai, *Terebra* Berry, 1958b: Leaflets in Malacology 1(16):96-97.

PARATYPE: LACM 1463 (1 dry), 0 m, intertidal, San Pedro, Los Angeles Co., California, Leg.: S.S. Berry, MAY 1959.

Remarks: Junior synonym of *Terebra hemphilli* Vanatta, 1924 fide Bratcher & Cernohorsky (1987).

dedonderi, *Terebra* Terryn, 2003: Gloria Maris 42(4-5):67-69.

PARATYPE: LACM 3031 (1 dry), 36-50 m, Hansa Bay, Madang Prov., Papua New Guinea.

dorothyae, *Terebra* Bratcher & R.D. Burch, 1970a: The Veliger 12(3):297, pl. 44, figs. 7-8.

HOLOTYPE: LACM 1250 (dry); **PARATYPES:** LACM 1251 (11 dry), 13-20 m, off Puerto de San Jose, Escuintla Dept., Guatemala (13°52.58'N, 91°10.58'W), Leg.: R/V *Velero III*, 11 JAN 1938.

Remarks: Junior synonym of *Terebra glauca* Hinds, 1844 fide Bratcher & Cernohorsky (1987).

dushanaeae, *Terebra* Campbell, 1964: The Veliger 6(3):135-136.

PARATYPES: LACM 1208 (4 dry), Puertecitos, Golfo de California, Baja California, México, Leg.: Helen DuShane, APR 1963.

Remarks: Junior synonym of *Terebra bridgesi* Dall, 1908 fide Bratcher & Cernohorsky (1987).

ellisrossi, *Terebra* Bratcher, 1979b: The Veliger 22(1):65-66, fig. 1.

HOLOTYPE: LACM 1257 (dry), 300 m, Honolulu side of Pearl Harbor, Honolulu, Honolulu Dist., O'ahu, Hawaiian Ids., Leg.: E. Cross, 10 MAY 1960; **PARATYPES:** LACM 2819 (2 dry), 21-37.5 m, Guadalcanal Id., Solomon Ids., Leg.: B. Bailey.

fitchi, *Terebra* (*Strioterebra*) Berry, 1958a: Leaflets in Malacology 1(15):89.

PARATYPE: LACM 2831, Entrance to Bahía Santa Maria, Pacific Coast Baja California Sur, México, Leg.: J.E. Fitch, 4 JUN 1955.

Remarks: Junior synonym of *Terebra tiarella* Deshayes, 1857 fide Bratcher & Cernohorsky (1987).

hancocki, *Terebra* Bratcher & R.D. Burch, 1970a: The Veliger 12(3):299, pl. 44, fig. 11.

HOLOTYPE: LACM 1255 (dry); **PARATYPES:** LACM 1256 (2 dry), 15-18 m, off La Libertad, Bahía de Santa Elena, Guayas Prov., Ecuador (2°08.3'N, 81°00.2'W), Leg.: R/V *Velero III*, 9 FEB 1934.

hemphilli, *Terebra* Vanatta, 1924: Proc. Acad. Nat. Sci. Philadelphia 76:425.

PARATYPES: LACM 2832 (2 dry), Laguna Ojo de Liebre (= Scammon's Lagoon), Pacific Coast Baja California Sur, México, Leg.: H. Hemphill.

hertleini, *Terebra* Bratcher & R.D. Burch, 1970b: L.A. Co. Mus. Cont. Sci. 188:1-2.

PARATYPE: LACM 1288 (1, dry), 27-46 m, Bahía Academy, Isla Santa Cruz (Indefatigable), Islas Galápagos (0°46.27'S, 90°19.63'W), Leg.: R/V *Velero III*, 20 JAN 1934.

Remarks: Junior synonym of *Terebra jacquelineae* Bratcher & R.D. Burch, 1970 fide Bratcher & Cernohorsky (1987).

hoffmeyeri, *Terebra* (*Strioterebra*) Abbott, 1952: The Nautilus 65(3):78-79.

PARATYPES: LACM 1457 (5 dry); **PARATYPES:** LACM 1697 (4 dry), Pasay Beach, Manila Bay, Rizal Prov., Luzon Id., Philippines, Leg.: H. Hoffmeyer, MAY-AUG 1939.

Remarks: Junior synonym of *Terebra plumbea* Quoy & Gaimard, 1833 fide Bratcher & Cernohorsky (1987).

insalli, *Terebra* Bratcher & Burch, 1976: The Veliger 10(1):7

PARATYPE: LACM 2814 (1 dry), Eilat, Gulf of Aqaba, Southern Dist., Israel (29°32.3'N, 34°57.0'E), Leg.: D.C. Insall.

jacquelinae, *Terebra* Bratcher & R.D. Burch, 1970b: L. A. Co. Mus. Cont. Sci. 188:2-5.

PARATYPES: LACM 1179 (28 dry), 18-46 m, Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°46.27'S, 90°19.63'W), Leg.: R/V *Velero III*, 24 JAN 1938.

jenningsi, *Terebra* (*Triplostephanus*) R.D. Burch, 1965: The Veliger 7(4):248-249.

PARATYPE: LACM 1454 (1 dry), Nadi, Viti Levu, Viti Levu Group, Fiji, Leg.: A. Jennings, 1963; **PARATYPES:** LACM 1455 (2 dry), 6 m, Natadola Id., Viti Levu, Viti Levu Group, Fiji, Leg.: A. Jennings, MAR 1962.

kilburni, *Terebra* (*Decorihastula*) R.D. Burch, 1965: The Veliger 7(4):249-250.

PARATYPES: LACM 1458 (5 dry), 0.5-1.0 m, Wadingi Id. (= Wading Id.), Mamanuca Group, Fiji, Leg.: A. Jennings, JUL 1962; **PARATYPES:** LACM 1459 (2 dry), 1.8 m, Lomalagi, Mamanuca Group, Fiji, Leg.: W.O. Cernohorsky, DEC 1963; **PARATYPES:** LACM 1460 (4 dry), Madang, Madang Prov., Papua New Guinea, Leg.: I. Pert, MAR 1952.

knudseni, *Terebra* Bratcher, 1983: Steenstrupia 8(15):301-305.

PARATYPES: LACM 1363 (3 dry), Malawali Id., Kudat District, Sabah, Borneo, Malaysia, Leg.: M. Saul, 1962.

lillianae, *Terebra* Whitney, 1976: The Veliger 18(4):381-382, figs. 1, 4.

HOLOTYPE: LACM 1724 (dry), Off Mossuril, Nampula Prov., Mozambique (14°55'S, 40°41'E), 1974.

Remarks: Junior synonym of *Terebra mamillata* Watson, 1886 fide Bratcher & Cernohorsky (1987).

mactanensis, *Terebra* Bratcher & Cernohorsky, 1982: The Nautilus 96(2):63-64, figs. 1, 10.

HOLOTYPE: LACM 1968 (dry); **PARATYPE:** LACM 2821 (1 dry), 200 m, Punta Egano, Mactan Id., Cebu Prov., Philippines.

marrowae, *Terebra* Bratcher & Cernohorsky, 1982: The Nautilus 96(2):64, figs. 2, 9.

HOLOTYPE: LACM 1969 (dry), 0 m, intertidal, Cleaverville, Western Australia, Leg.: L. Marrow; **PARATYPES:** LACM 2822 (2 dry), MonteBello Ids., Western Australia.

maryleaeae, *Hastula* (*Hastula*) R.D. Burch, 1965: The Veliger 7(4):242.

PARATYPES: LACM 1456 (14 dry), Surfside Beach, Freeport, Brazoria Co., Texas, Leg.: M. Burch, 16 MAR 1961.

murgrideae, *Terebra* Garcia, 1999: Apex 14(3-4):64.

PARATYPE: LACM 2871 (1 dry), 18 m, Gulf of México, SE of Biloxi, Harrison Co., Mississippi (29°53.25'N, 88°40.46'W).

ninfae, *Terebra* (*Strioterebra*) Campbell, 1961: The Veliger 4(1):27-28.

PARATYPE: LACM 1106 (1 dry), 27-37 m, trawled, between Puerto Madero and 30 mi. N of Guatemala border, Chiapas, México (14°55'N, 92°15'W), Leg.: X. Mendoza, JAN 1961.

onslowensis, *Strioterebra* Petuch, 1974: The Veliger 17(2):205-206

PARATYPES: LACM 2833 (2 dry), 21.6 m, Onslow Bay, 20 km SSE of Bogue Inlet, Carteret Co., North Carolina (34°25'N, 77°00'W), Leg.: Duke University, R/V *Eastward*.

Remarks: Junior synonym of *Terebra dislocata* Say, 1822 fide Bratcher & Cernohorsky (1987).

parkinsoni*, *Terebra Cernohorsky & Bratcher, 1976: Rec. Auckland Inst. Mus. 13:137, 139

PARATYPE: LACM 2834 (1 dry), 24 m, Nordup, New Britain, Bismark Archipelago, Papua New Guinea, Leg.: B. Parkinson, 17 SEP 1975.

paucincisa*, *Terebra Bratcher, 1988: The Veliger 30(4):413.

PARATYPES: LACM 2260 (2 dry), 17 m, Grand Recif South, New Caledonia Group, New Caledonia (22°37'S, 166°01'E); **PARATYPES:** LACM 2828 (2 dry), Tailevu, Fiji, Leg.: B. Parkinson.

poppei*, *Terebra Terryn, 2003: Gloria Maris 42(4-5):69-71.

PARATYPE: LACM 3032 (1 dry), 240 m, Aliguay, Bohol Prov. Philippines.

pseudopertusa*, *Terebra Bratcher & Cernohorsky, 1985: The Nautilus 99(4):91.

PARATYPE: LACM 2835 (1 dry), 80-83 m, Reunion, Mascarene Ids., Indian Ocean (21°06'S, 55°01'E), Leg.: R/V *Marion-Dufresne*, 1982.

purdyae*, *Terebra Bratcher & R.D. Burch, 1970b: L.A. Co. Mus. Cont. Sci. 188:5, figs. 5-6.

HOLOTYPE: LACM 1182 (dry); **PARATYPE:** LACM 1183 (1 dry), 128-146 m, N of Isla Santa Maria (= Charles Id.), Islas Galápagos (0°59'S, 90°25'W), Leg.: R/V *Velero III*, 29 JAN 1934.

Remarks: Junior synonym of *Terebra shyana* Bratcher & Burch, 1970 fide Bratcher & Cernohorsky (1987).

rancheria*, *Terebra Bratcher, 1988: The Veliger 30(4):413, figs. 6, 8.

HOLOTYPE: LACM 2261 (dry); **PARATYPES:** LACM 2827 (3 dry), 3.5 m, Isla Rancheria, Golfo de Chiriqui, Chiriqui Prov., Panamá (7°38'N, 81°44'W).

reunionensis*, *Terebra Bratcher & Cernohorsky, 1985: The Nautilus 99(4):93.

PARATYPE: LACM 2836 (1 dry), 210 m, Reunion, Mascarene Ids., Indian Ocean (21°05'S, 55°12'E), Leg.: J. Drivas, 1982.

riosi*, *Terebra Bratcher & Cernohorsky, 1985: The Nautilus 99(4):93-94

HOLOTYPE: LACM 1974 (missing); **PARATYPE:** LACM 2837 (1 dry), Intertidal, Buzios, Cabo Frio, Rio de Janeiro State, Brazil, Leg.: E. Rios & L. Tostes.

shyana*, *Terebra Bratcher & R.D. Burch, 1970a: The Veliger 12(3):295-296, pl. 44, figs. 9-10.

HOLOTYPE: LACM 1249 (dry); **PARATYPES:** LACM 2813 (2 dry), 31-73 m, Manzanillo, Colima, México (19°02'N, 104°21'W), Leg.: L. Shy & J. Frisbey.

stohleri*, *Terebra Bratcher & R.D. Burch, 1970a: L.A. Co. Mus. Cont. Sci. 188:5-6, figs. 7-8.

HOLOTYPE: LACM 1180 (dry), 18-37 m, Bahía Braithwaite, Isla Socorro, Islas Revillagigedo, México (18°42.3'N, 110°56.27'W), Leg.: R/V *Velero III*, 18 MAR 1939; **PARATYPE:** LACM 1181 (1 dry), 7-18 m, off Cabo Rule, Isla Socorro, Islas Revillagigedo, México (18°42.2'N, 110°57.08'W), Leg.: R/V *Velero III*, 8 JUN 1934.

swobodai*, *Terebra Bratcher, 1981: The Veliger 23(4):330-331, figs. 5-6.

HOLOTYPE: LACM 1185 (dry); **PARATYPE:** LACM 2825 (1 dry), Zamboanga, Zamboanga del Sur Prov., Mindanao Id., Philippines.

troendlei, *Terebra* Bratcher, 1981: The Veliger 23(4):330.

PARATYPE: LACM 1365 (6 dry), 10 m, Tahuata, Marquesas Ids., French Polynesia.

turschi, *Terebra* Bratcher, 1981: The Veliger 23(4):331, figs. 7-8.

HOLOTYPE: LACM 1191 (dry); **PARATYPES:** LACM 2826 (4 dry), 36 m, Hansa Bay, Papua New Guinea (4°06'S, 144°22'E).

Clade Heterobranchia

Informal Group "Lower Heterobranchia"

Family Orbitestellidae Iredale, 1917

aequicostata, *Orbitestellidae*, Raines, 2002a: La Conchiglia 34(304):17, fig. 11.

HOLOTYPE: LACM 2936 (dry); **PARATYPE:** LACM 2937 (1 dry), 30-50 m, of Tahai, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

Superfamily ARCHITECTONICOIDEA Gray, 1850

Family Architectonicidae Gray, 1850

consobrina, *Architectonica* Bieler, 1993: Abh. Naturwiss. Ver. Hamburg (NF) 30:95-97, fig. 74.

HOLOTYPE: LACM 2742 (dry); **PARATYPE:** LACM 2743 (1 dry), 259-293 m, S of Gaspar Id., Marinduque Prov., Philippines.

Remarks: Erroneously published as LACM 2279 (holotype) & 2280 (Paratype).

orba, *Solatisonax?* Bieler, 1993: Abh. Naturwiss. Ver. Hamburg (NF) 30:181-183, fig. 151.

HOLOTYPE: LACM 2471 (dry), 108-143 m, Inner Gorda Bank, Golfo de California, Baja California Sur, México (23°02.45'N, 109°30.70'W), Leg.: R/V *Velero III*, 17 FEB 1940;

PARATYPE: LACM 2472 (1 dry), intertidal, W beach of Bahía Concepcion, Golfo de California, Baja California Sur, México (26°44.7'N, 110°54'W), Leg.: R/V *Velero III*, 14 MAR 1936.

propinqua, *Solatisonax* Bieler, 1993: Abh. Naturwiss. Ver. Hamburg (NF) 30:176-178.

PARATYPE: LACM 2473 (1 dry), 37-73 m, Bahía Banderas, Sonora, México (20°40'N, 105°25'W), Leg.: G. Willett, 14 FEB 1938; **PARATYPE:** LACM 2474 (1 dry), 55 m, off Isla del Cano, Puntarenas Prov., Costa Rica (8°45'N, 83°54'W), Leg.: J.H. McLean, W. Bussing, R/V *Searcher*, 16-17 MAR 1972.

turritus, *Heliacus* Bieler, 1987: Arch Moll. 117(4/6):204-206.

PARATYPE: LACM 2116 (1 dry), 46 m, Bolo Pt., 0.5 km ESE of Zampa-misaki, Okinawa-jima, Ryukyu-shoto, Japan (26°26.1'N, 127°42.5'E), Leg.: R.F. Bolland, 25 AUG 1978.

Superfamily RISSOELLOIDEA Gray, 1850

Family Rissoellidae Gray, 1850

peruviana, *Rissoella* (*Rissoella*) Ponder & Worsfold, 1994: Nat. Hist. Mus. L.A. Co. Contrib. Sci. 446:49-51, fig. 31C.

HOLOTYPE: LACM 2698 (dry); **PARATYPES:** LACM 2699 (21 dry), 2-10 m, Isla Lobos de Afuera (NW & NE of isthmus), Piura Prov., Perú (6°57.1'S, 80°42.3'W), Leg.: J.H. McLean, J.A. Coyer, & J.M. Engle, 19-20 JAN 1974.

Superfamily PYRAMIDELLOIDEA Gray, 1840

Family Pyramidellidae Gray, 1840

amandi, *Turbonilla* (*Pyrgiscus*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12): 202-203.

PARATYPE: LACM 1345 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

azteca, *Odostomia* (*Miralda*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12): 207-208.

PARATYPE: LACM 1348 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Miralda*.

bartonella, *Turbonilla* (*Pyrgiscus*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12): 203.

PARATYPE: LACM 1346 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

burchi, *Turbonilla* (*Pyrgiscus*) Gordon, 1938: The Nautilus 52(2):49-51, pl. 4, figs. 3-5.

HOLOTYPE: LACM 1057 (dry), 46 m, 1 mi. W of pier at Redondo Beach, Los Angeles Co., California, Leg.: M. Gordon & J.Q. Burch, JUN 1938.

canadensis, *Turbonilla* (*Strioturbonilla*) Bartsch, 1917: Proc. USNM 52(2193):640.

PARATYPES: LACM 2166 (7 dry), Forrester Id., Prince of Wales Co., Alaska, Leg.: G. Willett.

Remarks: *Ex* UCLA 21047.

cayucosensis, *Turbonilla* (*Strioturbonilla*) Willett, 1929b: The Nautilus 43(1):26-27, figs. 2-3.

HOLOTYPE: LACM 1016 (dry); **PARATYPE:** LACM 1083 (1 dry); **PARATYPES:** LACM 2148 (3 dry), Cayucos, San Luis Obispo Co., California, Leg.: H.N. Lowe, JUN 1927. Paratypes *ex* UCLA 21108.

cowlesi, *Turbonilla* (*Strioturbonilla*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):196-197.

PARATYPE: LACM 1342 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

isthmica, *Odostomia* (*Evalea?*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12): 208-209.

PARATYPE: LACM 1156 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

sealei, *Turbonilla* (*Pyrgiscus*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):

201-202.

PARATYPE: LACM 1344 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

stonei, *Turbonilla* (*Pyrgiscus*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12): 199-200.

PARATYPE: LACM 1343 (2 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

strongi, *Odostomia* (*Evalea*) Bartsch, 1927: Proc. USNM 70(2660):19-20.

PARATYPES: LACM 1958 (9 dry), Isthmus Cove, Santa Catalina Id., California Channel Ids., California, Leg.: A.M. Strong.

strongi, *Turbonilla* (*Pyrgolampros*) Willett, 1931b: The Nautilus 45(2):67, pl. 4, fig. 4.

HOLOTYPE: LACM 1019 (dry); **PARATYPE:** LACM 2144 (1 dry), 46 m, off the N shore of Santa Catalina Id., California Channel Ids., California, Leg.: G. Willett, JUL 1920.

Remarks: Paratype *ex* UCLA 21106.

swetti, *Odostomia* (*Chrysallida*) Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):206.

PARATYPES: LACM 1347 (2 dry), 5-16 m, Isla Taboga, Panamá Prov., Panamá, Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Chrysallida*.

Family Amathinidae Ponder, 1987

carotica, *Iselica* Marinovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull. 16:40, fig. 90.

HOLOTYPE: LACM 1599 (dry); **PARATYPES:** LACM 1600 (5 dry), 0 m, intertidal, Punta Morro, Iquique, Tarapaca Prov., Chile (20°13'S, 70°10'W), Leg.: L. Marinovich, JUL 1964.

chilensis, *Iselica* Marinovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull. 16:39, fig. 89.

HOLOTYPE: LACM 1597 (dry); **PARATYPES:** LACM 1598 (17 dry), 0 m, intertidal, Punta Morro, Iquique, Tarapaca Prov., Chile (20°13'S, 70°10'W), Leg.: L. Marinovich, JUL 1964.

kochi, *Iselica* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):227.

PARATYPE: LACM 1715 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

Superfamily ACTEONOIDEA d'Orbigny, 1843

Family Acteonidae d'Orbigny, 1843

aphyodes, “*Acteon*” Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:626-627.

PARATYPE: LACM 2984 (dry), 970-983 m, E of Tongatapu, Tongatapu Group, Tonga (21°12'S, 174°56'W), Leg.: *R/V Alis*, P. Bouchet & others, 3 JUN 2000.

chauiodous, “*Acteon*” Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:631-632.

PARATYPES: LACM 2987 (dry), 570-650 m, Pass de Hienghene, E of New Caledonia (20°34'S, 164°58'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 17 MAR 1993.

chrytomatus, *Acteon* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:593-594.
PARATYPE: LACM 2976 (5 dry), 110 m, between French & Cook reefs, NW of Belep Arch., New Caledonia Group, New Caledonia (19°7'S, 163°22'E), Leg.: *R/V Vauban*, P. Bouchet & B. Richer, 14 SEP 1985.

cohibilis, “*Acteon*” Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:619-621.
PARATYPE: LACM 2981 (dry), 577-780 m, Pass de Dumbes, SW of Noumea, New Caledonia (22°23'S, 166°13'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 16 MAY 1993.

comptus, “*Acteon*” Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:629-631.
PARATYPES: LACM 2986 (2 dry), 2365-2470 m, Loyalty Ridge, NE of New Caledonia (21°24'S, 166°30'E), Leg.: *R/V Jean-Charcot*, P. Bouchet & others, 7 SEP 1985.

editus, “*Acteon*” Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:615.
PARATYPES: LACM 2979 (2 dry), 500-614 m, SE of Yasawa, Yasawa Group, Fiji (16°52.5'S, 177°43.7'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 10 AUG 1998.

herosae, “*Acteon*” Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:627-629.
PARATYPE: LACM 2985 (dry), 105 m, Grand Recif Sud, SE of Ouen, New Caledonia Group, New Caledonia (22°37'S, 167°4'E), Leg.: B. Richer, 30 NOV 1984.

ionfasciatus, *Acteon* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:593.
PARATYPE: LACM 2975 (dry), 448-466 m, S of Mindoro Occidental Prov., Mindoro Id., Philippines (11°58'N, 126°6'E), Leg.: *R/V Coriolis*, P. Bouchet & others, 3 JUN 1985.

longissimus, *Japonacteon* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:604-605.
PARATYPE: LACM 2978 (dry), 457-461 m, Arafura Sea, SE of Kepulauan Tanimbar, Indonesia (8°19'S, 132°2'E), Leg.: *R/V Baruna Jaya I*, P. Bouchet & others, 31 OCT 1991.

loyautensis, “*Acteon*” Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:621.
PARATYPES: LACM 2982 (2 dry), 600 m, N of Vauvilliers, Loyalty Ids., New Caledonia (21°6'S, 167°33'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 21 FEB 1989.

pascuana, *Pupa* Raines, 2002c: La Conchiglia 34(305):52-53, fig. 1.
HOLOTYPE: LACM 2954 (dry), 30-50 m, near Tahai, Isla de Pascua (= Easter Id.) (27°7.20'S, 109°26.30'W), Leg.: B.K. Raines.

rektos, “*Acteon*” Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:621-622.
PARATYPES: LACM 2983 (2 dry), 970-983 m, E of Tongatapu, Tongatapu Group, Tonga (21°12'N, 174°56'W), Leg.: *R/V Alis*, P. Bouchet & others, 3 JUN 2000.

ringiculoides, “*Acteon*” Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:617-618.
PARATYPE: LACM 2980 (dry), 482-498 m, SW of Kelelesia, Ha'apai Group, Tonga (20°38'S, 174°58'W), Leg.: *R/V Alis*, P. Bouchet & others, 6 JUN 2000.

sanguinea, *Rictaxis* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:596.
PARATYPE: LACM 2977 (dry), 447-450 m, Banc Stylaster, S of Isle of Pines, New Caledonia Group, New Caledonia (23°37'S, 167°42'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 29 JAN 1993.

vancouverensis, *Acteon punctocoelata* I.S. Oldroyd, 1927: Stanford Univ. Pubs. in Geol. Sci.

2(1):25.

PARATYPE: LACM 1078 (1 dry), 18-27 m, off Brandon Id., Departure Bay, Nanaimo Dist., Vancouver Id., British, Columbia, Canada, Leg.: I.S. Oldroyd.

Remarks: Junior synonym of *Rictaxis punctocaelatus* (Carpenter, 1864).

Family Bullinidae Gray, 1850

rubropunctata, *Bullina* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:644.

PARATYPE: LACM 2988 (dry), 444-452 m, Grand Passage, NE of French Reef, New Caledonia Group, New Caledonia (18°56'S, 163°22'E), Leg.: *R/V Alis*, B. Metivier & B. Richer, 7 AUG 1994.

Superfamily VALVATOIDEA Gray, 1840

Family Hyalogyrinidae Warén & Bouchet, 1993

depressa, *Hyalogyrina* Hasegawa, 1997: Nat. Sci. Mus. Tokyo Mem. 12:113-116

PARATYPES: LACM 2845 (2 dry), 400-740 m, off Heda, Suruga-wan, Shizuoka Pref., Honshu, Japan (35°00.4'N, 138°43.2'E), Leg.: *R/V Soro-Maru*, 17 NOV 1993.

Informal Group Opisthobranchia

Clade Cephalaspidea

Superfamily PHILINOIDEA Gray, 1850

Family Philinidae Gray, 1850

alba, *Philine* Mattox, 1958: Bull. So. Calif. Acad. Sci. 57(2):98-104, pl. 33, fig. 1.

HOLOTYPE: LACM 2072 (wet); **PARATYPE:** LACM 1118 (1 dry); **PARATYPES:** LACM 2014 (17 wet), 64 m, 1.8 mi. SE of Long Pt., Santa Catalina Id., California Channel Ids., California (33°22.9'N, 118°20.7'W), Leg.: *R/V Velero IV*, 25 JUN 1954.

babai, *Philine* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:721-722.

PARATYPE: LACM 3000 (wet), 533-610 m, NE of New Caledonia (20°33'S, 164°57'E), Leg.: *R/V Alis*, R. Metivier & B. Richer, 10 AUG 1994.

californica, *Philine* Willett, 1944: Bull. So. Calif. Acad. Sci. 43(2):72, pl. 14, fig. 4.

HOLOTYPE: LACM 1074 (dry), 91 m, off Redondo Beach, Los Angeles Co., California, Leg.: J.Q. & T.A. Burch.

habei, *Philine* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:717-720.

PARATYPES: LACM 2999 (50 wet), 587-592 m, E of Tongatapu, Tongatapu Group, Tonga (21°14'S, 174°59'E), Leg.: *R/V Alis*, P. Bouchet & others, 3 JUN 2000.

Family Cylichnidae H. Adams & A. Adams, 1853

grovesi, *Cylichna* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:663-664.

PARATYPE: LACM 2992 (dry), 455 m, Pass de Dumbea, W of Noumea (22°19'S, 166°11'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 16 MAY 1993.

intermedia, *Acteocina culcitella* Willett, 1928: The Nautilus 42(2):38.

HOLOTYPE: LACM 1015 (dry), 55 m, off Santa Catalina Id., California Channel Ids., California, Leg.: G. Willett, 11 AUG 1928.

Remarks: Junior synonym of *Tornastra cerealis* (Gould, 1853).

mucronatum, *Cylichnium* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:703-704.

PARATYPE: LACM 2997 (dry), 1004-1012 m, E of Rabi, Vanua Levu Group, Fiji (16°28'S, 179°50'W), Leg.: *R/V Alis*, P. Bouchet & others, 25 FEB 1999.

nanum, *Cylichnium* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:704-705.

PARATYPES: LACM 2998 (5 dry), 640-668 m, Calatagan, Batangas Prov., Luzon Id., Philippines (13°47'N, 120°3'E), Leg.: *R/V Coriolis*, P. Bouchet & others, 2 JUN 1985.

pyriformis, *Sabatia* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:692-693.

PARATYPES: LACM 2993 (2 dry), 491-533 m, Pass de Hieghene, NE of New Caledonia (20°34'S, 167°57'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 17 MAR 1993.

rolleri, *Utriculostra (Tornastra)* Marcus, 1977: Jour. Moll. Stud., supplement 4, p. 29, figs. 82-84.

HOLOTYPE: LACM 1774 (dry), Flood Control Channel, San Diego, San Diego Co., California, Leg.: R. Roller, 4 MAY 1970.

smithae, *Roxania* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:696-698.

PARATYPES: LACM 2994 (8 dry), 425 m, NE of Lifou Id., Loyalty Ids., New Caledonia (21°1'S, 167°31'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 20 FEB 1989.

stephensae, *Cylichna* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):190.

PARATYPE: LACM 1339 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

tabogaensis, *Cylichna (Cylichnella)* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):191-192.

PARATYPE: LACM 1341 (1 dry), 5-16 m, off Isla Taboga, Panamá Prov., Panamá, Leg.: L.G. Hertlein.

Remarks: Currently in the genus *Cylichnella*.

tanyumphalos, *Cylichna* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:661-663

PARATYPE: LACM 2991 (dry), 250-350 m, Western Reefs, SE of New Caledonia (22°30'S, 166°24'E).

veleronis, *Cylichna* Strong & Hertlein, 1939: Allan Hancock Pac. Exped. 2(12):191.

PARATYPE: LACM 1340 (1 dry), 5-16 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá, Leg.: L.G. Hertlein.

Family Aglajidae Pilsbry, 1895

regiscorona, *Aglaja* Bertsch, 1972: The Veliger 15(2):103-104.

PARATYPES: LACM 1617 (3 wet), 0 m, intertidal, Bahía Las Cruces, Golfo de California, Baja California Sur, México (24°13'N, 110°05'W), Leg.: H. Bertsch, 19-22 JUL 1969.

Family Retusidae Thiele, 1925

abyssicola, *Retusa* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:737.

PARATYPE: LACM 3004 (dry), 1620-1630 m, W of Lifou Id., Loyalty Ids., New Caledonia (20°48'S, 166°53'E), Leg.: *R/V Coriolis*, P. Lozouet, 2 MAY 1987.

diaphana, *Retusa* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:733-735.

PARATYPES: LACM 3001 (24 dry), 350 m, W of 'Uvea, Wallis Id., Wallis & Futuna (13°19'S, 176°17'W), Leg.: *R/V Alis*, P. Bouchet & others, 25 MAY 1992.

hadra, *Relichna* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:764-765.

PARATYPE: LACM 3008 (dry), 514-530 m, Norfolk Ridge, S of Isle of Pines, New Caledonia Group, New Caledonia (24°54'S, 168°22'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 27 JAN 1993.

insolita, *Retusa* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:735-736

PARATYPES: LACM 3002 (5 dry), 778-811 m, SW of Espiritu Santo, New Hebrides Group, Vanuatu (16°2'S, 166°38'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 10 OCT 1994.

lenis, *Retusa* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:736-737.

PARATYPES: LACM 3003 (2 dry), 200 m, E of Lifou Id., Loyalty Ids., New Caledonia (20°54'S, 167°17'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 19 FEB 1989.

multistriata, *Volvulella* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:752-753.

PARATYPES: LACM 3007 (2 dry), 497-520 m, Pass de Hienghene, E of New Caledonia (20°34'S, 164°57'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 17 NOV 1993.

onoae, *Volvulella* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:751-752.

PARATYPES: LACM 3006 (4 dry), 250-350 m, SW of Noumea, New Caledonia (22°30'S, 166°24'E).

tenuissima, *Volvulella* Willett, 1944: Bull. So. Calif. Acad. Sci. 43(2):71-72, pl. 14, fig. 1.

HOLOTYPE: LACM 1073 (dry); **PARATYPES:** LACM 2147 (67 dry), 137 m, off Redondo Beach, Los Angeles Co., California, Leg.: J.Q. & T.A. Burch; **PARATYPE:** LACM 1693 (1 dry), 91 m, off Redondo Beach, Los Angeles Co., California, Leg.: J.Q. Burch, AUG 1940.

Remarks: Paratype lot LACM 2147 ex UCLA 22167.

trunca, *Retusa* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:737-740.

PARATYPES: LACM 3005 (11 dry), 735 m, SW of Tongatapu, Tongatapu Group, Tonga (21°16'S, 175°18'E), Leg.: *R/V Alis*, P. Bouchet & others, 5 JUN 2000.

Superfamily DIAPHANOIDEA Odhner, 1914

Family Diaphanidae Odhner, 1914

epongensis, *Toledonia* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:650-651.

PARATYPES: LACM 2990 (3 dry), 447-450 m, Banc Stylaster, SE of Isle of Pines, New Caledonia Group, New Caledonia (23°37'S, 167°42'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 23 JAN 1993.

neocaledonica, *Toledonia* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:649-650.

PARATYPE: LACM 2989 (dry), 405-410 m, Banc Jumeau Ouest, SE of Isle of Pines, New Caledonia Group, New Caledonia (23°42'S, 168°16'E), Leg.: *R/V Alis*, P. Bouchet & others, 28 NOV 1993.

pacifica, *Diaphana* Schiøtte, 1998: Steenstrupia 24(1):128-129, figs. 26A-B.

HOLOTYPE: LACM 2875 (dry), 82 m, 0.4-0.7 mi. 110° to 132° T from Ship Rock, Santa Catalina Id, California Channel Ids., California (33°27'N, 118°30'W), Leg.: *R/V Velero IV*, 13 FEB 1965.

Superfamily HAMINOEOIDEA Pilsbtu, 1895

Family Haminoeidae Pilsbry, 1895

wareni, *Micratys* Valdés, 2008. Mem. Mus. Nat. Hist. Naturelle 196:770-772.

PARATYPES: LACM 3010 (2 dry), 570-650 m, Pass de Hienghene, NE of New Caledonia (20°34'S, 164°58'E), Leg.: *R/V Alis*, P. Bouchet & B. Richer, 17 MAR 1993.

Clade Aplysiomorpha [= Anaspidea]

Superfamily APLYSIOIDEA Lamarck, 1809

Family Aplysiidae Lamarck, 1809

nettiae, *Aplysia* (*Neaplysia*) Winkler, 1959: Bull. So. Calif. Acad. Sci. 58(1):8-10, pl. 5.

HOLOTYPE: LACM 2013 (wet), Mouth of Topanga Canyon, Malibu, Los Angeles Co., California, Leg.: E.Y. Dawson & F. Durham, 18 DEC 1945.

Remarks: *Ex* AHF 991.

reticulopoda, *Aplysia* Beeman, 1960: Bull. So. Calif. Acad. Sci. 59(3):144-151, pls. 46-48.

HOLOTYPE: LACM 2011 (wet); **PARATYPE:** LACM 2012 (1 wet), Laguna, Orange Co., California

vaccaria, *Aplysia* Winkler, 1955: Bull. So. Calif. Acad. Sci. 54(1):5-7.

HOLOTYPE: LACM 2010 (wet), **PARATYPES:** LACM 1231 (2 dry), Pt. Fermin, San Pedro, Los Angeles Co., California, 14 MAR 1954.

Remarks: Holotype *ex* AHF 983.

Superfamily AKEROIDEA Mazzarelli, 1891

Family Akeridae Mazzarelli, 1891

juliae, *Akera* Valdés & Barwick, 2005: Nautilus 119(1):44-49, figs. 1, 2, 3A-C, 4A-C

HOLOTYPE: LACM 3033 (wet), 40.6 m, off SW tip of Santa Catalina Id., California Channel

Ids., California (33°18.24'N, 118°22.5'W), 24 JUL 1998; **PARATYPES**: LACM 3034 (3 dry), 1.5-10.7 m, SE corner of Bahía Jobo, off beach W of Bahía Salinas, Guanacaste Prov., Costa Rica (11°2.22'N, 85°45.16'W), 14 FEB 1972.

“Group“ Acochliidae

Superfamily ACOCHLIDIOIDEA Küthe, 1935

Family Acochliidae Küthe, 1935

fijiensis, *Acochlidium* Haynes & Kenchington, 1991: The Veliger 34(2):166-171, figs. 1-6.
HOLOTYPE: LACM 2457 (wet); **PARATYPES**: LACM 2458 (2 wet), at the Labasa-Savusavu Highway bridge, 7 km from the Nasekawa River mouth, Vanua Levu, Vanua Levu Group, Fiji (16°40'S, 179°16'E), Leg.: A. Haynes, JUL 1989.

Family Limapontiidae Gray, 1847

willowi, *Alderia* Krug, Ellingson, Burton, & Valdés, 2007: Jour. Moll. Stud. 73:33-34, fig.1C.
HOLOTYPE: LACM 2034 (wet); **PARATYPES**: LACM 2035 (4 wet), Cabrillo Aquarium wetlands, San Pedro, Los Angeles Co., California (33°42'48"N, 118°17'2"W), Leg.: P. Krug, 18 JUL 2005.

Clade Umbraculidae

Superfamily UMBRANCULOIDEA Dall, 1889

Family Tylodinidae Gray, 1847

spongotheras, *Anidolyta* Bertsch, 1980: Sarsia 65(3):234-236, figs. 2b, 3a-b.
HOLOTYPE: LACM 1916 (wet), 25-100 m, Queen's Reach, off Hill Rock, Jervis Inlet, Sunshine Coast Dist., British Columbia, Canada (50°09.8'N, 123°50.4'W), Leg.: W. Austin, 14 MAR 1976.

Remarks: Radula mounted on glass slide.

Clade Nudipleura

Subclade Pleurobranchomorpha

Superfamily PLEUROBRANCHOIDEA Gray, 1827

Family Pleurobranchidae Gray, 1827

amarillius, *Pleurobranchus (Oscanius)* Mattox, 1953: The Nautilus 66(4):110-114.
PARATYPES: LACM 2016 (13 dry), Isla de la Gata, Parguera, Southwest Coast, Puerto Rico, Leg.: N. Mattox, MAR 1950-APR 1952.

antarctica, *Bathyberthella* Willan & Bertsch, 1987: The Veliger 29(3):292-296.
PARATYPES: LACM 2120 (2 wet), 360-486 m, W of South Sandwich Ids., South Atlantic

(56°40.6'S, 27°00.8'W), Leg.: R/V *Islas Orcada*, 30 MAY 1975.

kanaia, *Berthella* Sphon, 1972: The Nautilus 86(2/4):53-55.

PARATYPE: LACM 1453 (1 dry), 0 m, intertidal, Punta Mita (ca. 20 mi. N of Puerto Vallarta), Nayarit, México (20°46'N, 105°33'W), Leg.: G. Sphon, 21-22 JAN 1970.

Remarks: Jaw plates on glass slide.

Clade Euctenidiacea

Subclade Gnathodoridacea

Superfamily BATHYDORIDOIDEA Bergh, 1891

Family Bathydoridae Bergh, 1891

spiralis, *Bathydoris* Valdés, 2002: Can. Jour. Zool. 80:1090-1091.

PARATYPE: LACM 2900 (1 wet), 305-315 m, Banc Azteque, SE of Isle of Pines, New Caledonia Group, New Caledonia (2318'S, 1685'E), Leg.: P. Bouchet & B. Richer, 31 JAN 1993.

Subclade Doridacea

Superfamily DORIDOIDEA Rafinesque, 1815

Family Dorididae Rafinesque, 1815

mimeticus, *Asteronotus* Gosliner & Valdés, 2002: Proc. Calif. Acad. Sci. 53(5):52-57.

PARATYPE: LACM 2901 (1 wet), 15 m, Arthur's Rock, SW side of Calumpan Peninsula, Batangas Prov., Luzon Id., Philippines, Leg.: T.M. Gosliner, 22 FEB 1992.

spongicolus, *Asteronotus* Gosliner & Valdés, 2002: Proc. Calif. Acad. Sci. 53(5):57-61.

PARATYPE: LACM 2902, 2 m, 3 km N of Uroa Beach Motel, Uroa, Zanzibar, Tanzania, Leg.: T.M. Gosliner, NOV 1994.

tanya, *Doris* Marcus, 1971: Proc. Malac. Soc. London 39:357-362, figs. 4-8.

HOLOTYPE: LACM 1768 (wet), Newport Bay, Orange Co., California, Leg.: R.L. Miller, SUM 1968.

Family Discodorididae Bergh, 1891

carolynae, *Platydoris* Mulliner & Sphon, 1974: Trans. San Diego Soc. Nat. Hist. 17(15): 209-213.

PARATYPE: LACM 1619 (1 wet), 0 m, intertidal, Isla Pinzon (= Duncan Id.), Islas Galápagos (0°35.8'S, 90°39.2'W), Leg.: Ameripagos Exped., 25-26 MAR 1971.

farmersi, *Diaulula* Valdés, 2004: Nat. Hist. Mus. L.A. Co. Cont. Sci. 501:6-7, figs. 1B, 4-5.

HOLOTYPE: LACM 3016 (wet), 1-2 m, in front of Bayside Resort, mile marker 99.5, Key Largo, Monroe Co., Florida, Leg.: A. Valdés, 13-22 JUL 2003.

lopezi, *Paradoris* Hermosillo & Valdés, 2004: Proc. Calif. Acad. Sci., 4th ser. 55(28):551-556, figs. 1A-B, 2-3.

PARATYPE: LACM 3041 (wet), 12 m, Majahuítas, Bahía de Banderas, Jalisco, México (20°29.111' N, 105°35.057' W), 10 MAR 2004

pardus, *Jorunna* Behrens & Henderson, 1981: The Veliger 24(2):125-128.

PARATYPES: LACM 1949 (3 wet), 5 m, Cat Rock, Anacapa Id., California Channel Ids., California (34°15'N, 119°25.3'W), Leg.: D. Behrens, 25 OCT 1979.

rubescens, *Thordisa* Behrens & Henderson, 1981: The Veliger 24(2):120-124.

PARATYPE: LACM 1948 (1 wet), 22 m, Big Kelp Reef, Paradise Cove, Los Angeles Co., California, Leg.: R. Henderson, 8 OCT 1978.

Remarks: Radula mounted on glass slide.

Family Chromodorididae Bergh, 1891

andersoni, *Hypselodoris* Bertsch & Gosliner, 1989: The Veliger 32(3):247-254.

PARATYPES: LACM 2294 (5 wet), 15 m, Pupukea Beach Co. Park, Waiialua Dist., O'ahu, Hawaiian Ids., Leg.: S. Johnson, 18 SEP 1978.

antoni, *Chromodoris* Bertsch, 1976: The Veliger 19(2):156-158, figs. 1-8.

HOLOTYPE: LACM 1810 (wet), 9 m, Punta Aguja (near Mulege), Golfo de California, Baja California Sur, México (26°53'N, 111°56'W), Leg.: A.J. Ferreira, 28 JUL 1974; **PARATYPE:** LACM 1811 (1 wet), 10-12 m, Isla San Jose, Golfo de California, Baja California Sur, México (24°53'N, 111°34'W), Leg.: A.J. Ferreira, 14 AUG 1973; **PARATYPE:** LACM 1812 (1 wet) 28 m, Los Islotes, Golfo de California, Baja California Sur, México (24°36'N, 110°24'W), Leg.: A.J. Ferreira, 14 AUG 1973; **PARATYPE:** LACM 1813 (1 wet), Bahía Santiago, near Manzanillo, Colima, México (19°06'N, 104°23'W), Leg.: L. Shy, R. & F. Poorman, JAN 1976.

Remarks: Holotype radula mounted on glass slide, paratype radulae LACM 1811 and LACM 1813 mounted on glass slides.

galexorum, *Chromodoris* Bertsch, 1978a: The Veliger 20(4):310-312, figs. 5, 33-36.

HOLOTYPE: LACM 1848 (wet); **PARATYPES:** LACM 1908 (2 wet), Isla San Pedro Martir, Sonora, México (28°22'N, 112°20'W), Leg.: A. Kerstich, 16 JUN 1976.

Remarks: Holotype and paratype radulae mounted on glass slides.

ghiselini, *Hypselodoris* Bertsch, 1978b: The Veliger 21(2):245-247, figs. 28, 65-68.

HOLOTYPE: LACM 1849 (wet); **PARATYPES:** LACM 1909 (2 wet), 2-3 m, Bahía de las Cruces, Golfo de California, Baja California Sur, México (24°13'N, 110°05'W), Leg.: M. Ghiselin, H. Bertsch, & J. Allen, 1 JUL 1974.

Remarks: Holotype and paratype radulae mounted on glass slides.

lapislazuli, *Thorunna* Bertsch & Ferreira, 1971: The Veliger 16(4):343-345.

PARATYPES: LACM 1614 (2 wet), 0 m, intertidal, Charles Darwin Research Station, Bahía Academy, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos (0°45'S, 90°15'W), Leg.: G. Sphon, 27 MAR 1971.

lilyevae, *Hypselodoris* Alejandrino & Valdés, 2006: Jour. Molluscan Stud. 72(2):191-196, figs. 1A-B.

HOLOTYPE: LACM 3017 (wet); **PARATYPE:** LACM 3018 (1 wet), 12-18 m, Pelican Ghut, Guana Id., British Virgin Ids., Leg.: T. Zimmerman, 11 AUG 1999.

marislae, *Chromodoris* Bertsch in Bertsch, Ferreira, Farmer, & Hayes, 1973: The Veliger 15(4): 289-292.

PARATYPES: LACM 1618 (3 wet), La Paz, Golfo de California, Baja California Sur, México, Leg.: E. Janss, APR 1972.

poliahu, *Glossodoris* Bertsch & Gosliner, 1989: The Veliger 32(3):256-259.

PARATYPES: LACM 2295 (4 wet), 15 m, Pupukea Beach Co. Park, Waialua Dist., O'ahu, Hawaiian Ids., Leg.: S. Johnson, 12 JUN 1978; **PARATYPES:** LACM 2296 (4 wet), 15 m, Three Tables, S of Pupukea Beach Co. Park, Waialua Dist., O'ahu, Hawaiian Ids., Leg.: S. Johnson, 10 JUN 1978.

sphoni, *Felimida* Marcus, 1971: Proc. Malac. Soc. London 39:356-357.

SYNTYPES: LACM 1616 (2 wet), 0 m, intertidal, Santa Cruz, ca. 15 mi. S of San Blas, Nayarit, México (21°31'N, 105°16'W), Leg.: G. Sphon, 5-8 JAN 1970.

tibboeli, *Glossodoris* Valdés & Adams, 2005: Pacific Science 59(4):603-608, figs. 1-3.

HOLOTYPE: LACM 3044 (wet); **PARATYPES:** LACM 3045 (3 wet); 10 m, Para Id., N of Sulawesi, Kepulauan Sangir, Indonesia (3°2.84'S, 125°30.20'E), Leg.: M.J. Adams, 13 JUN 2004.

tomsmithi, *Glossodoris* Bertsch & Gosliner, 1989: The Veliger 32(3):259-261.

PARATYPES: LACM 2297 (3 wet), 21 m, off Makaha, Wai'anae Dist., O'ahu, Hawaiian Ids., Leg.: H. Bertsch & J. Young, 17 SEP 1978; **PARATYPE:** LACM 2326 (1 wet), 15 m, off Halona Blowhole (near Lana'i lookout), Honolulu Dist., O'ahu, Hawaiian Ids., Leg.: H. Bertsch & S. Johnson, 26 SEP 1978.

Superfamily ONCHIDORIDOIDEA Gray, 1827

Family Goniodorididae Adams & Adams, 1854

goddardi, *Trapania* Hermosillo & Valdés, 2004: Proc. Calif. Acad. Sci., 4th ser., 55(28):556-559, figs. 1C, 4-5.

HOLOTYPE: LACM 3039 (wet), 9 m, Islas Marietas, Bahía de Banderas, Jalisco, México (20°42.042' N, 105°33.878' W), 17 APR 2003; **PARATYPE:** LACM 3040 (wet), 12 m, Islas Marietas, Bahía de Banderas, Jalisco, México (20°42.042' N, 105°33.878' W), 17 APR 2003

Superfamily POLYCEROIDEA Alder & Hancock, 1845

Family Polyceridae Alder & Hancock, 1845

kaiseri, *Polycera* Hermosillo & Valdés, 2007: Proc. CAS 58(23):478-483, figs. 1B, 2B-C, 3.

PARATYPES: LACM 1850 (3 wet), 11 m, Mismaloya, Bahía de Banderas, Jalisco, México (20°31.937'N, 105°17.700'W). 11 JAN 2006.

Superfamily PHYLLIDIOIDEA Rafinesque, 1814

Family Phyllidiidae Rafinesque, 1814

suzanneae, *Reticulidia* Valdés & Behrens, 2002: Nat. Hist. Mus. L.A. Co. Contr. Sci. 492:5-6, figs. 1C, 3.

HOLOTYPE: LACM 2897 (wet), 21.3 m Similan Ids., Andaman Sea, Phuket Changwat, Thailand (8°40.5'N, 97°38.8'E), Leg.: M. Strickland, FEB 2001.

Family Dendrodorididae O'Donoghue, 1814

azineae, *Dendrodoris* Behrens & Valdés, 2004: Pr. Calif. Acad. Sci. 55(21):409-413, figs. 1A, 2-3.

HOLOTYPE: LACM 3035 (wet), 54 m, La Jolla Canyon, San Diego Co., California, Leg.: G. Spaulding, 14 MAR 2004.

Superfamily POLYCEROIDEA Alder & Hancock, 1845

Family Gymnodorididae Donner, 1941

abdera, *Tambja* Farmer, 1978: The Veliger 20(4):377-378.

PARATYPE: LACM 1717 (1 wet), La Paz area, Golfo de California, Baja California Sur, México, Leg.: E. Janss, MAY 1972.

fusca, *Tambja* Farmer, 1978: The Veliger 20(4):378-379.

PARATYPE: LACM 1719 (1 wet), Isla Monserrate, Golfo de California, Baja California Sur, México, Leg.: E. Janss, APR 1974.

mullineri, *Tambja* Farmer, 1978: The Veliger 20(4):379-380.

PARATYPE: LACM 1718 (1 wet), 11 m, Bahía James, Isla San Salvador (= James Id.), Islas Galápagos, Leg.: Ameripagos Exped., MAR 1971; **PARATYPE:** LACM 1775 (1 wet), 11 m, Isla Rabida (= Jervis Id.), Islas Galápagos, Leg.: Ameripagos Exped., MAR 1971.

tigris, *Roboastra* Farmer, 1978: The Veliger 20(4):381-383.

PARATYPE: LACM 1720 (1 wet), 24-27 m, 20 mi. N of Guaymas, Sonora, México, Leg.: B. van Zandt, APR 1969.

Clade Cladobranchia

Subclade Euarminida

Superfamily ARMINOIDEA Iredale & O'Donoghue, 1923

Family Arminidae Iredale & O'Donoghue, 1923

juliana, *Armina* Ardilla & Diaz, 2002: Bol. Inv. Mar. Cos. 31:27-29.

PARATYPE: LACM 2908 (1 wet), 306-312 m, off Palomino, La Guajira Dep., Colombia (1°26'N, 73°32'W).

Remarks: Jaw plate and radulae on SEM stub.

Subclade Dendronotida

Superfamily TRITONIOIDEA Lamarck, 1810

Family Tritoniidae Lamarck, 1809

aurantia, *Tritoniopsis* Mattox, 1955: Bull. So. Calif. Acad. Sci. 54(1):8-13, pl. 4.

HOLOTYPE: LACM 2015 (wet), 73 m, 1.3 mi. SE of Long Pt., Santa Catalina Id., California Channel Ids., California, Leg.: R/V *Velero IV*, 26 JUN 1954.

Remarks: *Ex* AHF 985.

myrakeenae, *Tritonia* Bertsch & Mozqueira, 1986: The Nautilus 100(2):47-49, fig. 1.

HOLOTYPE: LACM 2135 (wet); **PARATYPE:** LACM 2136 (1 wet), 0 m, intertidal, SE end of, Isla Cedros, Pacific Coast Baja California, México (28°02.5'N, 115°12'W), Leg.: H. Bertsch & S. Tsung, 26 DEC 1985.

Family Scyllaeidae Alder & Hancock, 1855

daedali, *Crosslandia* Poorman & Mulliner, 1981: The Nautilus 95(2):96-99.

PARATYPES: LACM 1910 (4 wet), Tinajas, Bahía de Bacochibampo, Sonora, México (27°56'N, 110°59'W), Leg.: F. & R. Poorman, 4 DEC 1975.

Subclade Aeolidida

Superfamily FLABELLINOIDEA Bergh, 1889

Family Flabellinidae Bergh, 1889

riwo, *Flabellina* Gosliner & Willan, 1991: The Veliger 34(2):105-108.

PARATYPE: LACM 2465 (1 wet), 15.2 m, Barracuda Pt., E side of Pig Id. (= Tab Id.), N coast of Madang Prov., Papua New Guinea, Leg.: T.M. Gosliner, 13 JAN 1988.

Superfamily FIONOIDEA Gray, 1857

Family Eubbranchidae Odhner, 1934

yolandae, *Eubbranchus* Hermosillo & Valdés, 2007: Amer. Malac. Bull. 22(1/2):130-133, figs. 1E, 10-11.

HOLOTYPE: LACM 3055 (wet); **PARATYPES:** LACM 3056 (2 wet), 17 m, Los Arcos, Bahía de Banderas, Jalisco, México (20°32.86'N, 105°17.34'N), 26 MAY 2004; **PARATYPE:** LACM 3057 (wet), 17 m, Mismaloya, Bahía de Banderas, Jalisco, México (20°31.94'N, 105°17.70'W), 21 MAY 2004.

Remarks: Holotype radula and jaw mounted on SEM stub.

Family Tergipedidae Bergh, 1889

behrensi, *Cuthona* Hermosillo & Valdés, 2007: Amer. Malac. Bull. 22(1/2):128-130, figs. 1F, 8-9.

HOLOTYPE: LACM 3054 (wet), 13 m, Los Frailes, Azuero Peninsula, Panama (7°22.37'N, 8°9.29'W), 2 MAY 2003.

Remarks: Radula and jaws mounted on SEM stub.

destinyae, *Cuthona* Hermsillo & Valdés, 2007: Amer. Malac. Bull. 22(1/2):121-124, figs. 1C, 4-5.

HOLOTYPE: LACM 3052 (wet), La Godornia, Zihuatanejo, Guerrero, México (17° 37.85'N, 101°33.56'W), Leg.: A. Hermsillo & D. Behrens, 19 MAR 2004.

Remarks: Radula and jaws mounted on SEM stub

lizae, *Cuthona* Angulo & Valdés, 2003: Veliger 46(2):179-182, figs. 2- 3.

HOLOTYPE: LACM 2951 (wet); **PARATYPES:** LACM 2952 (4 wet), Ensenada de los Muertos, Golfo de California, Baja California Sur, México, Leg.: O. Angulo, 16 JAN 2002.

Remarks: Jaw, masticatory border elements, radula, and penal spine mounted on SEM stub

longi, *Cuthona* Behrens, 1985: The Veliger 27(4):418-421.

PARATYPE: LACM 2085 (1 wet), 3.1 m, Isla Raza, Golfo de California, Baja California, México (28°48'N, 113°00'W), Leg.: J. Hamann, JUL 1982.

millenae, *Cuthona* Hermsillo & Valdés, 2007: Amer. Malac. Bull. 22(1/2):124-128. figs. 1D, 6-7.

HOLOTYPE: LACM 3053 (wet), 19 m, Los Arcos, Bahía de Banderas, Jalisco, México (20°32.86'N, 105°17.34'W), 29 MAY 2003; **PARATYPE:** LACM 3050 (wet), Islas Maietas, Bahía de Banderas, Jalisco, México (20°42.042'N, 105°33.878'W), 11 JAN 2005

Remarks: Holotype radula and jaws mounted on SEM stub

rickettsi, *Catriona* Behrens, 1984: The Veliger 27(1):66-70.

PARATYPES: LACM 2024 (6 wet), Port of Redwood City, San Francisco Bay, San Mateo Co., California (37°30.03'N, 112°13.38'W), Leg.: D. Behrens, 24 DEC 1981

Superfamily AEOLIDIOIDEA Gray, 1827

Family Aeolidiidae Gray, 1827

chavezii, *Cerberilla* Hermsillo & Valdés, 2007: Amer. Malac. Bull. 22(1/2):133-136, figs. 1A, 12-13.

HOLOTYPE: LACM 3058 (wet), 6 m, La Boquita, Bahía de Santiago, Colima, México (19°6.30'N, 104°23.92'W), 21 FEB 2004; **PARATYPE:** LACM 3059 (wet), 10 m, La Cruz de Huanacastle, Bahía de Banderas, Nayarit, México (20°44.44'N, 105°23.16'W), 14 JAN 2004; **PARATYPE:** LACM 3060 (wet), 6 m, La Boquita, Bahía de Santiago, Colima, México (19°6.30'N, 104°23.92'W), 26 MAR 2004.

Remarks: Radula and jaw mounted on SEM stub.

mosslandica, *Cerberilla* McDonald & Nybakken, 1975: The Veliger 17(4):378-381.

PARATYPES: LACM 1725 (2 wet), 63 m, Monterey Bay, Monterey Co., California (36°52.3'N, 121°59.8'W), Leg.: Gary McDonald, 18 NOV 1972; **PARATYPE:** LACM 1726 (1 wet), 34.5 m, Monterey Bay, Monterey Co., California (36°53.6'N, 121°57.5'W), Leg.: G. McDonald, 10 MAY 1972.

Family Facelinidae Bergh, 1889

morroensis, *Emarcusia* Roller, 1972: The Veliger 14(4):420-422.

PARATYPES: LACM 1615 (3 wet), Morro Bay, San Luis Obispo Co., California (35°22'N, 120°51'W), Leg.: R. Roller, 15 NOV 1969.

Informal Group Pulmonata

Informal Group Basommatophora

Superfamily SIPHONARIOIDEA Gray, 1827

Family Siphonariidae Gray, 1827

stewartiana, *Kerguelenia* Powell, 1939: Rec. Auckland Inst. and Mus. 2:237-238.

PARATYPES: LACM 1215 (4 dry), Aker's Pt., Stewart Id., New Zealand

Remarks: Currently in the genus *Siphonaria*.

Clade Hygrophila

Superfamily CHILINOIDEA Dall, 1870

Family Chiliniidae Dall, 1870

oldroydae, *Chilina* Marshall, 1924: Proc. USNM 66(13):4.

PARATYPE: LACM 1076 (1 dry); **PARATYPE:** LACM 2050 (1 dry), Lago Fetalafquen, Chubut Prov., Argentina, Leg.: J. Pemberton.

Superfamily PLANORBOIDEA Rafinesque, 1815

Family Planorbidae Rafinesque, 1815

nevadensis, *Parapholyx effuse* Henderson, 1934: The Nautilus 47(3):90-91.

PARATYPES: LACM 1080 (3 dry), Lake Winnemucca, Humboldt Co., Nevada, Leg.: H. Hannibal.

Remarks: Fossil species currently in the genus *Vorticifex*.

Family Physidae Fitzinger, 1833

natricina, *Physa (Haitia)* Taylor, 1988: Malacological Review 21:67-72, figs. 6k-n.

HOLOTYPE: LACM 2970 (shell dry, animal wet), Snake River SW¼ SE¼ sec. 21, T6N, R13E, Gooding Co., Idaho, Leg.: D.W. Taylor, 27 JUL 1980.

Remarks: Originall published as LACM 2256 (preoccupied).

Clade Eupulmonata

Superfamily ELLOBIOIDEA Pfeiffer, 1854

Family Ellobiidae Pfeiffer, 1854

colmani, *Pythia* Martins, 1995: Moll. Res. 16:60-67.

PARATYPE: LACM 2803 (1 dry), elev 100 m, Medina, New Ireland, Bismark Archipelago, Papua New Guinea (2°56'S, 151°22.5'E), Leg.: P. Colman et al.

mousleyi, *Melampus* Berry, 1964: Leaflets in Malacology 1(24):152-153.

PARATYPES: LACM 2122 (4 dry), Bahía Cholla, Sonora, México, Leg.: L.B. Mousley, 29 NOV 1951.

Clade Stylommatophora

Subclade Elasmognatha

Superfamily SUCCINEOIDEA Beck, 1837

Family Succineidae Beck, 1837

utowana, *Succinea* Clench, 1933: Proc. New England Zool. Club 13:85.

PARATYPES: LACM 1669 (3 dry), back of Victory Hill Settlement, Watling Id., Bahamas.

Subclade Orthurethra

Superfamily PARTULOIDEA Pilsbry, 1900

Family Partulidae Pilsbry, 1900

variabilis, *Partula* Pease, 1866: Amer. Jour. Conch. 2(3):203.

PARATYPE: LACM 1877 (1 dry), Raiatea, Society Ids., French Polynesia.

Remarks: *Ex* W.O. Gregg collection 7238.

Superfamily COCHLICOPOIDEA Pilsbry, 1900

Family Amastridae Pilsbry, 1910

metamorpha, *Amastra* Pilsbry & Cooke, 1914: Tryon's Manual of Conchology, 2nd ser., 23:19-20.

PARATYPES: LACM 2060 (4 dry), Olowalu Gulch, Lahaina Dist., Maui, Hawaiian Ids., Leg.: D. Thaanum, JUL 1913.

Superfamily PUPILLOIDEA Turton, 1831

Family Pupillidae Turton, 1831

sterkiana, *Pupa* Pilsbry, 1889: Proc. Acad. Nat. Sci. Philadelphia 41:411.

SYNTYPES: LACM 1333 (45 dry); **PARATYPES:** LACM 1690 (11 dry), Near Bahía de San

Quintín, Pacific Coast Baja California, México, Leg.: C.R. Orcutt, APR 1886.

Remarks: Currently in the genus *Pupilla*.

Family Vertiginidae Fitzinger, 1833

mariposa, *Vertigo ovata* Pilsbry, 1919: Tryon's Manual of Conchology, 2nd ser., 25:88-89.

PARATYPES: LACM 1688 (28 dry), Meadow near Wawona, Yosemite National Park, Mariposa Co., California, Leg.: H.N. Lowe, 1916.

Remarks: Junior synonym of *Vertigo ovata* Say, 1822 fide Roth & Sadeghian (2003).

microphasma, *Vertigo modesta* Berry, 1919b: The Nautilus 33(2):48-51.

PARATYPES: LACM 2199 (2 dry), 2286 m, cienaga near Bluff Lake, San Bernardino Mountains, San Bernardino Co., California, Leg.: N.G. Spaulding, G.E. Dole, & S.S. Berry, AUG 1910.

Remarks: Junior synonym of *Vertigo modesta castanea* (Pilsbry & Vanatta, 1900) fide Roth & Sadeghian (2003).

Informal Group Sigmurethra

Superfamily CLAUSILIOIDEA Gray, 1855

Family Clausiliidae Gray, 1855

aequistriata, *Gracilinenia* Weyrauch, 1956b: The Nautilus 69(4):111-113.

PARATYPES: LACM 2612 (3 dry), 1300 m, on road from San Ramon to Mina Pichita Caluga, Chanchamayo Valley, Junin Dept., Perú, Leg.: W. Weyrauch.

boettgeri, *Nenia quadrata* Pilsbry, 1945: The Nautilus 58(3):81-82.

PARATYPES: LACM 2049 (5 dry), 2300 m, Carpapata, Rio Tarma, Pasco Dept., Perú, Leg.: W. Weyrauch.

cajamarcana, *Steeriana (Steeriana)* Weyrauch & Zilch in Zilch, 1954: Arch. Moll. 83(1/3):73-76.

PARATYPES: LACM 1329 (5 dry), 2850 m, Hacienda Cochambul, near Cajamarca, Cajamarca Dept., Perú, Leg.: W. Weyrauch.

celendinensis, *Steeriana (Steeriana)* Weyrauch & Zilch in Zilch, 1954: Arch. Moll. 83(1/3):70-72.

PARATYPES: LACM 1330 (5 dry), 2700 m, 3 km S of Celendin, at km 113 on the highway from Celendin to Balsas, Cajamarca Dept., Perú, Leg.: W. Weyrauch.

huarangoensis, *Steeriana (Steeriana)* Zilch, 1949: Arch. Moll. 78(1/3):94-95.

SYNTYPES: LACM 2239 (2 dry), 1400 m, Huarango, E of Rio Chinchipe, Cajamarca Dept., Perú, Leg.: W. Weyrauch.

isidroensis, *Steeriana (Steeriana) celendinensis* Weyrauch & Zilch in Zilch, 1954: Arch. Moll. 83(1/3):72-73.

PARATYPES: LACM 1331 (5 dry), 2750-2800 m, Mount San Isidro, near Celendin, Cajamarca Dept., Perú, Leg.: W. Weyrauch.

omissa, *Temesa* Weyrauch, 1957: Arch. Moll. 86(1/3):18-21.

PARATYPES: LACM 1332 (5 dry), 3400-3600 m, Tarmatabo, near Tarma, Loreto Dept., Perú, Leg.: W. Weyrauch.

urubambensis, *Nenia angrandi* Pilsbry, 1945: The Nautilus 58(3):83-84.

PARATYPES: LACM 2048 (5 dry), 1400 m, Huadquena Vilcanota Valley, Cuzco Dept., Perú, Leg.: W. Weyrauch.

Superfamily ORTHALICOIDEA Albers, 1860

Family Orthalicidae Albers, 1860

alcaldei, *Liguus fasciatus* Roig, 1951: Revista Sociedad Malac. 8(1):23-24.

PARATYPES: LACM 1564 (3 dry), Monte de Hernandez, Guanabana, Cienfuegos, Cienfuegos Prov., Cuba.

multilineatus, *Liguus fasciatus* Alcalde, 1944: Revista Sociedad Malac. 2(1):13.

PARATYPES: LACM 1563 (2 dry), Monte del Tarabico, Hoyo de Padilla, Cienfuegos, Cienfuegos Prov., Cuba.

tigrae, *Liguus fasciatus* Alcalde, 1944: Revista Sociedad Malac. 2(1):12.

PARATYPE: LACM 1562 (1 dry), Monte de Lewis, Gavilan, Cienfuegos, Cienfuegos Prov., Cuba.

Family Bulimulidae Tryon, 1867

annectens, *Placostylus (Maoristylus) ambagiosus* Powell, 1938: Rec. Auckland Inst. Mus. 2(3):148-149.

PARATYPE: LACM 2056 (1 dry), 274 m, Unuwharo, on track between Spirits Bay & Tom Boling Bay, Northland, North Id., New Zealand.

camachoi, *Neopetraeus* Weyrauch, 1967: Acta Zool. Lilloana 21:418-420.

PARATYPES: LACM 1629 (4 dry), 1500 m, Rio Chotano, between Chiclayo and Cutervo, Lambayeque Dept., Perú, Leg.: W. Weyrauch.

cavagnaroi, *Naesiotus* A.G. Smith, 1972: Proc. Calif. Acad. Sci., 4th ser., 39(2):12-17.

PARATYPE: LACM 1622 (1 dry), 884 m, top of Mt. Crocker, Isla Santa Cruz (Indefatigable), Islas Galápagos, Leg.: Templeton Crocker, 10-11 MAY 1932; **PARATYPES:** LACM 1623 (2 dry), 7 km NE of Santa Rosa, Isla Santa Cruz (Indefatigable), Islas Galápagos, Leg.: A. DeRoy, 27 NOV 1966; **PARATYPE:** LACM 1624 (1 dry), 2 mi. W of Mt. Crocker, Isla Santa Cruz (Indefatigable), Islas Galápagos, Leg.: A. & J. DeRoy, 10 MAY 1970; **PARATYPE:** LACM 1625 (1 dry), On top of Mt. Crocker, Isla Santa Cruz (Indefatigable), Islas Galápagos, Leg.: Templeton Crocker, 10-11 MAY 1932.

Remarks: Currently in the genus *Bulimulus*.

celendinensis, *Drymaeus* Weyrauch, 1956a, Arch. Moll. 85(4/6):151-152.

PARATYPES: LACM: 2241 (3 dry), 2700 m, hills near Celendin, Cajamarca Dept., Perú, Leg.: W. Weyrauch.

chiletensis, *Scutalus* (*Scutalus*) Weyrauch, 1967: Acta Zool. Lilloana 21:373-375.

PARATYPES: LACM 1633 (5 dry), 850 m, River Jequetepeque, mountains above Chilote, Cajamarca Dept., Perú, Leg.: W. Weyrauch.

deroyi, *Naesiotus* A.G. Smith, 1972: Proc. Calif. Acad. Sci., 4th ser., 39(2):9-12.

PARATYPES: LACM 1621 (3 wet), 264 m, NW side of Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos, Leg.: A. DeRoy, 18 FEB 1964.

Remarks: Currently in the genus *Bulimulus*.

gibber, *Drymaeus* (*Drymaeus*) Haas, 1949: Fieldiana-Zoology 31(28):238-240.

PARATYPE: LACM 2046 (1 dry), 1650 m, Divisoria, Huanuco Dept., Perú, Leg.: J.M. Schunke, 5 AUG-10 SEP 1947.

haasi, *Bostryx* (*Bostryx*) Weyrauch, 1960: Arch. Moll. 89(1/3):33-34.

PARATYPES: LACM 2240 (5 dry), 2400 m, Matucana, Rio Rimac, Lima Dept., Perú, Leg.: W. Weyrauch.

lachayensis, *Scutalus* (*Scutalus*) *versicolor* Weyrauch, 1967: Acta Zool. Lilloana 21:383-384.

PARATYPES: LACM 1631 (8 dry), 300 m, Lachay, near Chancay, Lima Dept., Perú, Leg.: W. Weyrauch.

multivolvis, *Bostryx* (*Geoceras*) Pilsbry, 1944b: Nautilus 57(4):124.

PARATYPE: LACM 2053 (1 dry), 1900 M, Ninabamba, near Ayachucho, Rio Pampas, Ayacucho Dept., Perú, Leg.: W. Weyrauch.

perforatus, *Bulimulus* (*Ataxys*) Haas, 1951: Fieldiana-Zoology 31(46):518

SYNTYPES: LACM 2238 (5 dry), 1900 m, Ninibamba, near Ayachucho, Rio Pampas, Ayacucho Dept., Perú, Leg.: W. Weyrauch.

Remarks: Currently in the genus *Bostryx*.

perhirsutus, *Rabdotus* (*Plicolumna*) Miller, Christensen, & Roth *in* Smith, Miller, Christensen, & Roth, 1990: Proc. Calif. Acad. Sci., 4th ser., 47(4):101-102.

PARATYPES: LACM 2757 (4 dry), 460 m, along Todos Santos-Cabo San Lucas Rd., 3.5 km N of El Saucito, Baja California Sur, México, Leg.: C.C. Christensen, J.A. Christensen, & W.B. Miller, 22 DEC 1973.

scalesiana, *Naesiotus* A.G. Smith, 1972: Proc. Calif. Acad. Sci., 4th ser., 39(2):17-22.

PARATYPES: LACM 1626 (8 dry), 244 m, Horneman Farm area, Isla Santa Cruz (= Indefatigable Id.), Islas Galápagos, Leg.: A.G. Smith, 19 FEB 1964.

Remarks: Currently in the genus *Bulimulus*.

subcostatus, *Bulimulus* (*Protoglyptus*) Haas, 1948: Fieldiana-Zoology 31(23):190-192.

SYNTYPES: LACM 2237 (2 dry), 500-700 m, mountains near Jaen, Cajamarca Dept., Perú, Leg.: W. Weyrauch.

Remarks: Currently in the genus *Protoglyptus*.

weyrauchi, *Bostryx* Pilsbry, 1944a: The Nautilus 57(3):87-88.

PARATYPES: LACM 2047 (3 dry), 2100 m, Ninabamba, Rio Pampas, Ayacucho Dept., Perú, Leg.: W. Weyrauch.

Family Cerionidae Pilsbry, 1901

albolabra, *Strophlops* Maynard, 1921: Records of walks & talks with nature, App. 10:129.

SYNTYPES: LACM 2235 (5 dry), Great Harbor Cay, Berry Ids., Bahamas

Remarks: Currently in the genus *Cerion*.

fernandina, *Cerion* (*Strophlops*) Clench, 1937: The Nautilus 51(1):21-22.

PARATYPES: LACM 1304 (2 dry), 8 mi. SE of Simms, Long Id., Bahamas, Leg.: J.V. Malone, OCT 1936.

hughesi, *Cerion* Clench, 1952: Revista Sociedad Malac. 8(3):107.

PARATYPES: LACM 1295 (4 dry), Sandy Pt., Savannah Sound, Eleuthera, Bahamas, Leg.: W.J. Clench, MAY 1936.

huntingtoni, *Cerion* Clench, 1938: Bull. Mus. Comp. Zool. 80:526.

PARATYPES: LACM 1632 (2 dry), Columbus Pt., Cat Id., Bahamas, Leg.: W.J. Clench, Russell & Huntington.

malonei, *Cerion* (*Strophlops*) Clench, 1937: The Nautilus 51(1):20-21.

PARATYPES: LACM 1303 (2 dry), 3.5 mi. SE of Simms, Long Id., Bahamas, Leg.: Russell, McLean, Huntington & Foster, JUL 1936.

marielinum, *Cerion* Torre & Pilsbry, 1927: The Nautilus 40(3):74.

PARATYPES: LACM 1296 (6 dry), Mariel, Pinar del Rio Prov., Cuba, Leg.: M.L. Jaume.

mcleani, *Cerion* (*Strophlops*) Clench, 1937: The Nautilus 51(1):22.

PARATYPES: LACM 1305 (3 dry), 1 mi. E of O'Neills, Long Id., Bahamas, Leg.: Russell, McLean, Huntington, & Foster, JUL 1936.

melanostomum, *Cerion* (*Strophlops*) Clench, 1934: Proc. Boston Soc. Nat. Hist. 40(2):212-213.

PARATYPES: LACM 2022 (3 dry), S end of Long Id., Bahamas, Leg.: T. Barbour & Mr. & Mrs. J.C. Greenway, 6 MAR 1934.

obtusa, *Strophlops* Maynard, 1921: Records of walks & talks with nature, App. 10:132.

SYNTYPES: LACM 2236 (2 dry), Cat Cay, Bimini Group, Bahamas.

Remarks: Currently in the genus *Cerion*.

salvatori, *Cerion* Torre & Pilsbry, 1927: The Nautilus 40(3):74.

PARATYPES: LACM 1297 (6 dry), Playa de Santa Fe, La Habana Prov., Cuba, Leg.: M.L. Jaume.

Family Urocoptidae Pilsbry, 1898

alamellata, *Holospira* (*Sonoraloa*) *dentaxis* Gilbertson, 1993: Amer. Malacological Bull. 10(1):73-75.

PARATYPES: LACM 2246 (4 dry), South side of Highway 15, 7.5 road km W of Sahuaripa, Sonora, México (29°01.5'N, 109°18.7'W).

alleni, *Urocoptis* Torre, 1929a: The Nautilus 42(4):141 [pl. 4, fig. 7].

SYNTYPES: LACM 1298 (17 dry), Pena Blanca, Sierra Anafe, Pinar del Rio Prov., Cuba, Leg.: M.L. Jaume.

Remarks: Currently in the genus *Tetrentodon*.

animasensis, *Holospira* Gilbertson & Worthington, 2003, The Veliger 46(3):220-224, figs. 1-4.

HOLOTYPE: LACM 2917 (dry); **PARATYPES:** LACM 2953 (5 dry), NW-SE trending limestone ridge, north end of Animas Mountains, 11 air km SE of Animas, Hidalgo Co., New Mexico (31°53.0'N, 108°47.70'W), Leg.: R.D. Worthington, 5 APR 1998.

barbouri, *Urocoptis livida* Torre & Clench, 1930: The Nautilus 44(1):15-16.

PARATYPES: LACM 1300 (4 dry), La Portuguesa, Central Soledad, Cienfuegos Prov., Cuba.

barroi, *Tetrentodon* (*Cylindrocoptis*) Jaume & Torre, 1972, Circ. Museo Biblio. Zool. Habana, p. 17.

PARATYPES: LACM 2613 (10 dry), north side of Sitio Rd. near Jaruco, La Habana Prov., Cuba, Leg.: M.L. Jaume.

cestai, *Urocoptis* Torre, 1929b: Proc. Acad. Nat. Sci. Philadelphia 81:445.

SYNTYPES [as **COTYPES**]: LACM 1351 (3 dry), 14 km marker on the road from Pinar del Rio to Vinales, Pinar del Rio Prov., Cuba.

fergusoni, *Holospira* Gilbertson & Naranjo-Garcia, 2010: Nautilus 124(4):181-184, fig. 1.

HOLOTYPE: LACM 3112 (dry), 3600 m elevation, 0.5 km E of summit of Sierra La Viga, Municipio Arteaga, Coahuila, México (25°21'35"N, 100°33'15"W), Leg.: G.M. Ferguson, 22 MAY 1986.

fortiuscula, *Urocoptis* (*Gongylostoma*) Torre, 1912: The Nautilus 26(4):57.

PARATYPES: LACM 1302 (3 dry), "El Mamey," Sagua la Grande, Santa Clara, Villa Clara Prov., Cuba, Leg.: M.L. Jaume.

hubbardi, *Callocoptis* Jaume & Torre, 1972: Circ. Museo Biblio. Zool. Habana, p. 86-87.

PARATYPES: LACM 2614 (3 dry), El Cejanal, Vinales Pinan del Rio Prov., Cuba, Leg.: M.L. Jaume.

lermondi, *Tetrentodon* Jaume & Torre, 1972: Circ. Museo Biblio. Zool. Habana, p. 12.

PARATYPES: LACM 2615 (4 dry), Hills near Sierra del Grillo, Madruga, La Habana Prov., Cuba, Leg.: M.L. Jaume.

mellita, *Urocoptis* Torre, 1932: The Nautilus 45(3):88-89.

PARATYPES: LACM 1217 (10 dry), "Finca El Ingles," Sierra del Grillo, Madruga, La Habana Prov., Cuba, Leg.: M.L. Jaume.

mendezi, *Tetrentodon* Jaume & Torre, 1972: Circ. Museo Biblio. Zool. Habana, p. 14.

PARATYPES: LACM 2617 (6 dry), Sierra del Grillo, Aguacaste, La Habana Prov., Cuba, Leg.: M.L. Jaume.

milleri, *Holospira* (*Millerella*) Gilbertson & Naranjo-Garcia, 1998: The Veliger 41(4):315-318.

PARATYPES: LACM 2805 (3 dry), 20.5 km E of the Rio Yaqui Bridge along Highway 15 from La Estrella to Bacanora, Sierra Batamonte (near El Milagro Mine), Sonora, México (28°57.5'N, 109°30.50'W), 3 JAN 1988.

nataliae, *Torrecoptis* Jaume & Torre, 1972: Circ. Museo Biblio. Zool. Habana, p. 28.
PARATYPES: LACM 2616 (4 dry), Loma Castellanos, near Calabazar de Sagua, Villa Clara Prov., Cuba, Leg.: M.L. Jaume.

nodulifera, *Urocoptis* Torre, 1929b: Proc. Acad. Nat. Sci. Philadelphia 81:444-445.
PARATYPES: LACM 1352 (4 dry), Dos Hermanos marker, Vinales, Pinar del Rio Prov., Cuba.

sherbrookei, *Holospira* (*Holospira*) Gilbertson, 1989: The Veliger 32(3):308-312.
PARATYPE: LACM 2209 (1 dry), Silver Creek Canyon, 3.4 mi. W of Portal, along road to Paradise, Chiricahua Mountains, Cochise Co., Arizona, Leg.: L.H. Gilbertson, 16 APR 1987.

sinistra, *Urocoptis* Torre, 1928: The Nautilus 42(1): [pl. 1, fig. 8].
PARATYPES: LACM 1301 (19 dry), near Playa Marianao, La Habana Prov., Cuba, Leg.: M.L. Jaume.

Superfamily STREPTAXOIDEA Gray, 1860

Family Streptaxidae Gray, 1860

cookeana, *Streptaxis* F. Baker, 1914: Proc. Acad. Nat. Sci. Philadelphia 65:628-629.
SYNTYPES: LACM 2234 (2 dry), Ceara Mirim, Rio Grande do Norte State, Brazil.

Superfamily RHYTIDOIDEA Pilsbry, 1893

Family Haplotremidae H.B. Baker, 1925

zopherum, *Ancotrema* Roth, 1990: Wasmann Jour. Biol. 47(1-2):68-71
PARATYPES: LACM 2430 (3 dry), Sutter Creek Cave, Amador Co., California, Leg.: R. deSaussure, 25 MAY 1953.

Family Scolodontidae H.B. Baker, 1925

ceronitens, *Systrophia* Haas, 1951: Fieldiana-Zoology 31(46):533-534.
PARATYPES: LACM 2045 (4 dry), 1200 m, S of San Ignacio and W of Rio Chinchipe, Cajamarca Dept., Perú, Leg.: W.Weyrauch.

platysma, *Systrophia* Haas, 1951: Fieldiana-Zoology 31(46):530-531.
PARATYPES: LACM 2044 (4 dry), 1400 m, Huarango, E side of Rio Rinchipe, close to Rio Maranon, Amazonas Dept., Perú, Leg.: W.Weyrauch.

Superfamily ACAVOIDEA Pilsbry, 1895

Family Megomphicidae H.B. Baker, 1930

allyni, *Ammonitella yatesi* Chace, 1951: The Nautilus 64(4):122.
PARATYPES: LACM 1644 (14 dry), near Boyden's Cave, Fresno Co., California, Leg.: E.P. Chace, 5 SEP 1950.

californicus, *Megomphix* A.G. Smith, 1960: Occas. Pap. Calif. Acad. Sci. 28:1-3.

PARATYPES: LACM 1679 (2 dry), Natural Bridge Cave, Trinity Co., California, Leg.: R. de Soussure, 23 AUG 1958.

Superfamily PUNCTOIDEA Morse, 1864

Family Punctidae Morse, 1864

hannai, *Punctum (Toltecia)* Roth, 1985b: Malac. Review 18:52-55.

PARATYPES: LACM 2174 (2 dry), 914 m, W side of stream 0.5-0.75 mi. N of Trinity Alps Camp, Trinity River, Trinity Co., California, Leg.: G D. Hanna, JUN 1931.

pasadena, *Punctum conspectum* Pilsbry, 1896a: The Nautilus 10(2):21-22.

PARATYPES: LACM 1676 (50 dry), Pasadena, Los Angeles Co., California.

Remarks: Junior synonym of *Paraloma servilis* (Shuttleworth, 1852) fide Roth & Sadeghian (2003).

Family Helicodiscidae H.B. Baker, 1927

spirellum, *Speleodiscoides* A.G. Smith, 1957: Proc. Calif. Acad. Sci., 4th ser., 29(2):34-37.

PARATYPES: LACM 1111 (3 dry); **PARATYPES:** LACM 1668 (3 dry), Violin Cave, Amador Co., California, Leg.: E. Danehy & A. Lang, 22 NOV 1951.

Family Discidae Thiele, 1931

eyerdami, *Anguispira (Zonodiscus) kochi* Clench & Banks, 1939: Mem. Sociedad Cubana Hist. Nat. 13(5):285.

PARATYPES: LACM 1645 (3 dry), ca. 20 mi. W of Santus Pass, Horscleawalls, Yakima Co., Washington, Leg.: W.J. Eyerdam, 31 MAY 1938.

Remarks: Junior synonym of *Anguispira kochi occidentalis* (von Martens, 1882).

Family Oreohelicidae Pilsbry, 1939

almoloya, *Oreohelix* Drake, 1949: The Nautilus 62(4):110-112.

PARATYPES: LACM 1658 (2 dry), foothills of Sierra de Almoloya, 5 mi. NW of Cueva Diablo, Chihuahua, México, Leg.: L. Pierson, 18 AUG 1947.

anchana, *Oreohelix* Gregg, 1953: Bull. So. Calif. Acad. Sci. 52(2):71-74, pl. 14 (upper figs.).

HOLOTYPE: LACM 1450 (dry), 2194 m, NE slope Center Mountain, below cave, Sierra Ancha, Gila Co., Arizona, Leg.: W.O. Gregg & W.L. Walton, JUN 1942; **PARATYPES:** LACM 1683 (45 dry), 2194 m, NW slope of Center Mountain, Sierra Ancha, Gila Co., Arizona, Leg.: W.O. Gregg & W.L. Walton, 10 OCT 1949.

Remarks: Holotype *ex* W.O. Gregg collection 6142.

californica, *Oreohelix* Berry, 1931b: Ann. Mag. Nat. Hist., 10th ser., 8:115-117.

PARATYPES: LACM 1659 (4 dry), head of gulch on W slope of Clark Mountain, San Bernardino Co., California, Leg.: E.C. Jaeger, 14 OCT 1930.

grahamensis, *Oreohelix* Gregg & Miller, 1974: Bull. So. Calif. Acad. Sci. 73(3):150-151, fig. 4.
HOLOTYPE: LACM 1155 (dry), S slope of Mt. Graham, Pinaleno Mountains, Graham Co., Arizona, Leg.: M.L. Walton & W.O. Gregg, 21 APR 1954; **PARATYPES**: LACM 1691 (9 dry), 2743 m, on S slope of Mt. Graham, 20.7 mi. from junction with U.S. Highway 666, Graham Mountains, Graham Co., Arizona, Leg.: M.L. Walton & W.O. Gregg, 21 APR 1954.

hachetana, *Oreohelix* Pilsbry, 1915: Proc. Acad. Nat. Sci. Philadelphia 67:330-332.
PARATYPE: LACM 1680 (1 dry), 2550 m, summit of Hacheta Grande Mountain, Hidalgo Co., New Mexico, Leg.: H.A. Pilsbry & Daniels.

Remarks: Currently in the genus *Radiocentrum*. Ex W.O. Gregg collection 7856.

parawanensis, *Oreohelix* Gregg, 1940: The Nautilus 54(3):95-96.

PARATYPES: LACM 1660 (19 dry), Brian Head, Parowan Mountains, Iron Co., Utah.

profundorum, *Oreohelix yavapai* Pilsbry & Ferriss, 1911: Proc. Acad. Nat. Sci. Philadelphia 63:182-184.

PARATYPES: LACM 1677 (3 dry), 1737 m, Spectacle Cave, near Bass Camp, Grand Canyon National Park, Coconino Co., Arizona, 22 NOV 1909.

“Limacoid clade”

Superfamily HELICOIDEA Rafinesque, 1815

Family Bradybaenidae Pilsbry, 1934

rustica, *Cochlostyla metaformis* Mousson, 1849: Die land-und Susswasser-Mollusken von Java, p. 114.

PARATYPE: LACM 2619 (1 dry), Sibal, Luzon Id., Philippines.

Remarks: Currently in the genus/subgenus *Helicostyla* (*Dryochchlias*).

tagolandensis, *Helicostyla leucophthalma* Pilsbry, 1908: The Nautilus 22(4/5):47.

SYNTYPE: LACM 1294 (1 dry); **PARATYPE**: LACM 2043 (1 dry), Tahulandang Id., Kepulauan Sangihe, Celebes, Indonesia.

Family Polygyridae Pilsbry, 1895

animorum, *Ashmunella tetrodon* Pilsbry & Ferriss, 1917: Proc. Acad. Nat. Sci. Philadelphia 69:89-90.

PARATYPES: LACM 1648 (3 dry), 0.5 mi. S of Reed Cabin, Black Canyon, Black Range, Sierra Co., New Mexico.

bequaerti, *Ashmunella* Clench & Miller, 1966: Brevoria, Mus. Comp. Zool. 244:1-6.

PARATYPES: LACM 1646 (11 dry), 1493 m, NE slope of Black Mountain, Davis Mountains, Jeff Davis Co., Texas, Leg.: J.C. Bequaert & W.B. Miller, 6 MAY 1965.

dispar, *Ashmunella danielsi* Pilsbry & Ferriss, 1915: The Nautilus 29(4):41-42.

PARATYPES: LACM 1647 (3 dry), 2286 m, W slope of Mogollon Mountains, in Little Whitewater Canyon, Socorro Co., New Mexico, Leg.: Ferris & Daniels, 2 DEC 1914.

hirsutus, Hochbergellus Roth & Miller, 1992: The Veliger 35(3):223-225

PARATYPE: LACM 2758 (1 dry), Sisters Rocks, ca. 3.8 km N of Euchre Creek at Ophir, Curry Co., Oregon, Leg.: W.B. Miller, 16 JUL 1991.

karokorum, Vespericola Talmadge, 1962: The Veliger 5(1):28-29.

PARATYPES: LACM 1228 (2 dry), Sawmill Gulch, N side of Klamath River, 2 mi. E of Orleans Gulch Ranger Station, Humboldt Co., California, Leg.: R. Talmadge, SEP 1957.

lenticula, Ashmunella Gregg, 1953: Bull. So. Calif. Acad. Sci. 52(2):74-75, pl. 14 (lower figs.).

HOLOTYPE: LACM 1452 (dry); **PARATYPES:** LACM 1091 (87 dry), 1463 m, rockslide at mouth of N fork of Horseshoe Canyon, Chiricahua Mountains, Cochise Co., Arizona, Leg.: W.O. Gregg & M.L. Walton, 13 OCT 1949.

Remarks: Holotype *ex* W.O. Gregg collection.

lombardii, Allogona A.G. Smith, 1943: Proc. Calif. Acad. Sci., 4th ser., 23(36):545-547.

PARATYPES: LACM 1221 (4 dry), 579 m, along meadow creek, 1.5 mi. S of Selway Falls, Idaho Co., Idaho, Leg.: G D. Hanna, SEP 1911.

pasonis, Polygyra Drake, 1951a: Revista Sociedad Malac. 8(1):44-46.

PARATYPES: LACM 1661 (4 dry), foothills of Franklin Mountains, 5 mi. SE of the federal penitentiary, La Tuna, El Paso Co., Texas, Leg.: J. & R. Drake, 30 OCT 1949.

Remarks: Currently in the genus *Ashmunella*.

populi, Polygyra Vanatta, 1924: Proc. Acad. Nat. Sci. Philadelphia 76:26.

PARATYPE: LACM 1662 (1 dry), Cottonwood Tree Canyon, on the Snake River, 50 mi. S of Lewiston, Idaho Co., Idaho.

Remarks: Junior synonym of *Cryptomastix mullani* (Bland & Cooper, 1861).

porterae, Ashmunella thomsoniana Pilsbry & Cockerell, 1899: The Nautilus 13(5):49-50.

SYNTYPES: LACM 1229 (2 dry), upper Sapello Canyon, Beulah, San Miguel Co., New Mexico, Leg.: W. Porter, 1889.

pressleyi, Vespericola Roth, 1985a: Wasmann Jour. Biol. 42(1/2):84-91.

PARATYPE: LACM 2121 (1 dry), 380 m, 0.2 km E of Price Creek mouth, S bank of the Trinity River, Trinity Co., California, Leg.: B. Roth, 4 AUG 1983.

solida, Polygyra ptychophora Vanatta, 1924: Proc. Acad. Nat. Sci. Philadelphia 76:25.

PARATYPES: LACM 1682 (5 dry), Cottonwood Tree Canyon, 50 mi. S of Lewiston, Idaho Co., Idaho, Leg.: R. Jackson.

Remarks: Currently in the genus *Allogona*. *Ex* W.O. Gregg collection 4236.

Family Helminthoglyptidae Pilsbry, 1939

amboiana, Micrarionta hutsoni Willett, 1931a: The Nautilus 44(4):123-124, pl. 7, fig. 4.

HOLOTYPE: LACM 1029 (dry), 6 mi. NW of Amboy, San Bernardino Co., California, Leg.: George Willett, 7 FEB 1931.

Remarks: Currently in the genus *Eremarionta* and currently a subspecies of *E. rowelli* (Newcomb, 1865) fide Roth & Sadeghian (2003).

aguacalientensis, *Sonorella walkeri* Pilsbry & Ferriss, 1915: Proc. Acad. Nat. Sci. Philadelphia 75:396-397.

PARATYPES: LACM 1681 (3 dry), Agua Caliente Canyon, W slope of Santa Rita Mountains, Santa Cruz Co., Arizona, Leg.: H.A. Pilsbry & J.H. Ferriss.

Remarks: Junior synonym of *Sonorella walkeri* Pilsbry & Ferriss, 1923. *Ex* W.O. Gregg collection 2855.

allynsmithi, *Sonorella* Gregg & Miller, 1969: The Nautilus 82(3):90-93.

PARATYPES: LACM 1246 (9 dry), 457 m, Squaw Peak Rd., approx. 0.3 mi. from Lincoln Drive, Phoenix Mountains, Maricopa Co., Arizona, Leg.: J.C. Bequaert, W.B. Miller & M.L. Walton, 30 OCT 1965; **PARATYPES:** LACM 1663 (174 dry), S slope of the Phoenix Mountains, back of the Arizona Biltmore Hotel, Maricopa Co., Arizona, Leg.: W.O. Gregg & M.L. Walton, 23 APR 1954; **PARATYPES:** LACM 1664 (20 dry), S side of Squaw Peak, Phoenix Mountains, near the reservoir, Maricopa Co., Arizona, Leg.: A.G. Smith, 1-3 APR 1953.

angelus, *Sonorelix* (*Herpeteros*) Gregg, 1949: Bull. So. Calif. Acad. Sci. 47(3):100-102.

HOLOTYPE: LACM 1173 (dry), hillsides on N side of W end Soledad Canyon, Los Angeles Co., California, Leg.: W.O. Gregg, FEB-MAR 1947; **PARATYPE:** LACM 1085 (1 dry), 2 mi. E of Solemint, N side of Soledad Canyon, Los Angeles Co., California, Leg.: W.O. Gregg, MAR 1947.

Remarks: Currently in the genus *Hespeteros* fide Roth & Sadeghian (2003). Holotype *ex* W.O. Gregg collection 3692a.

benitoensis, *Helminthoglypta* Lowe, 1930: The Nautilus 44(2):43, pl. 5, fig. 1.

HOLOTYPE: LACM 1021 (dry), Pinnacles National Monument, San Benito Co., California, Leg.: H.N. Lowe, JUL 1929.

beryllica, *Monadenia fidelis* Chace & Chace, 1935: The Nautilus 49(2):48-49.

PARATYPES: LACM 1225 (5 dry), 8 mi. N of Brookings, Curry Co., Oregon, Leg.: E.P. Chace, 1935.

brunnea, *Micrarionta* Willett, 1935a: The Nautilus 49(1):15.

HOLOTYPE: LACM 1042 (dry); **PARATYPES:** LACM 1357 (4 dry), Chuckwalla Spring, Little Chuckwalla Mountains, Riverside Co., California. Leg.: G. & O. Willett, 21 FEB 1935.

Remarks: Currently in the genus *Eremarionta* fide Roth & Sadeghian (2003).

carrizoensis, *Micrarionta harperi* Willett, 1937b: The Nautilus 50(4):123.

HOLOTYPE: LACM 1049 (dry), hills above Painted Gorge, Carrizo Mountains, Imperial Co., California, Leg.: G. Willett, 1 DEC 1936.

Remarks: Currently a subspecies of *Sonorelix harperi* (Bryant, 1900) fide Roth & Sadeghian (2003).

caruthersi, *Helminthoglypta* Willett, 1934b: Bull. So. Calif. Acad. Sci. 33(2):57-58, pl. 20.

HOLOTYPE: LACM 1039 (1 dry), 2133 m, Morris Canyon, Kern Co., California, Leg.: Mrs. V.L. Carr.

Remarks: Currently in the subgenus *Coyote* fide Roth & Sadeghian (2003).

cathedralis, *Micrarionta indioensis* Willett, 1930b: The Nautilus 43(4):115-116.

HOLOTYPE: LACM 1022 (dry), Cathedral Canyon, Riverside Co., California, Leg.: G. Willett, 8 FEB 1930.

Remarks: Currently in the genus *Cahuillus* fide Roth & Sadeghian (2003).

chacei, *Micrarionta* Willett, 1940: Bull. So. Calif. Acad. Sci. 39(1):81-82, pl. 12.

HOLOTYPE: LACM 1062 (dry); **PARATYPES:** LACM 1093 (4 dry), 9 mi. N of Ensenada, Pacific Coast Baja California, México, Leg.: G. Willett, 22 FEB 1937.

Remarks: Currently in the genus *Sonorelix*.

chocolata, *Micrarionta* Willett, 1935a: The Nautilus 49(1):15-16.

HOLOTYPE: LACM 1041 (dry), Beal's Well, Chocolate Mountains, Imperial Co., California, Leg.: O.A. Willett, 19 FEB 1935.

Remarks: Currently in the genus *Eremarionta* and currently a subspecies. of *E. rowelli* (Newcomb, 1865) fide Roth & Sadeghian (2003).

chuckwallana, *Micrarionta* Willett, 1935a: The Nautilus 49(1):15.

HOLOTYPE: LACM 1040 (dry), 1 mi. S of Corn Springs, Chuckwalla Mountains, Riverside Co., California, Leg.: G. Willett, 6 FEB 1935.

Remarks: Currently in the genus *Eremarionta* and currently a subspecies of *E. rowelli* (Newcomb, 1865) fide Roth & Sadeghian (2003).

concolor, *Helminthoglypta* (*Coyote*) Roth & Hochberg, 1988: The Veliger 31(3/4):258-261.

PARATYPE: LACM 2215 (1 dry), 1615 m, 10.3 road mi. E of cemetery, Tejon Canyon, Kern Co., California, Leg.: W.B. Miller, F.G. Hochberg, & B. Roth, 7 MAR 1987.

cosi, *Sonorella baboquivariensis* Miller, 1966: The Nautilus 80(2):46-48.

PARATYPES: LACM 1244 (2 dry), Arch Canyon, Ajo Range, Organ Pipe Cactus National Monument, Pima Co., Arizona, Leg.: W.B. Miller & J.C. Bequaert, 25 JAN 1966.

crotalina, *Helminthoglypta* Berry, 1928: Ann. Mag. Nat. Hist., 10th ser., 1:276-278.

PARATYPES: LACM 1678 (2 dry), Sidewinder Mine, N end of Granite Mountains, San Bernardino Co., California, Leg.: Jaeger.

Remarks: Currently in the subgenus *Coyote* fide Roth & Sadeghian (2003). *Ex* W.O. Gregg collection 839.

cuyama, *Helminthoglypta* Hanna & Smith, 1937: The Nautilus 51(1):15-16.

PARATYPES: LACM 1224 (6 dry), Cuyama River Valley, 23.7 mi. E of Santa Maria, Santa Barbara Co., California, Leg.: G D. Hanna & C.C. Church.

edwardsi, *Helminthoglypta* Gregg & Miller, 1976: Bull. So. Calif. Acad. Sci. 75(1):13-16, figs. 2-3 (upper fig.).

HOLOTYPE: LACM 1761 (dry); **PARATYPES:** LACM 1108 (3 dry), 1128 m, along Manzanita Trail near Manzanita Creek, Pine Valley, San Diego Co., California (32°49.7'N, 116°31.1'W), Leg.: W.O. Gregg, 18 JAN 1953.

fontiphila, *Helminthoglypta* Gregg, 1931: The Nautilus 45(2):49-51, pl. 4, figs. 8-10.

HOLOTYPE: LACM 1032 (dry); **PARATYPES:** LACM 1650 (21 dry), 945 m, 0.5 mi. below the dam in Little Rock Creek Canyon, Los Angeles Co., California, 26 MAR 1931.

Remarks: Currently in the subgenus *Coyote* fide Roth & Sadeghian (2003).

granitensis, *Micrarionta* Willett, 1935b: Bull. So. Calif. Acad. Sci. 34(1):1-2.

HOLOTYPE: LACM 1043 (dry), NW end of Granite Mountains, Riverside Co., California, Leg.: O.A. Willett, 5 MAR 1935.

Remarks: Currently in the genus *Eremarionta* and currently a subspecies of *E. rowelli*

(Newcomb, 1865) fide Roth & Sadeghian (2003).

greggi, *Helminthoglypta* Willett, 1931a: The Nautilus 44(4):124-125, pl. 7, fig. 3

HOLOTYPE: LACM 1031 (1 dry), 3.5 mi. S of Mojave, Kern Co., California, Leg.: G. Willett, 23 FEB 1931.

Remarks: Currently in the subgenus *Coyote* fide Roth & Sadeghian (2003).

greggi, *Sonorella* Miller, 1967a: The Nautilus 80(4):114-116.

PARATYPES: LACM 1665 (2 dry), 1920 m, Sierra Purica, Sonora, México, Leg.: W.B. Miller, 29 JUL 1965.

hausabasensis, *Sonorella mormonum* Miller, 1967b: The Nautilus 81(1):2-4.

PARATYPE: LACM 1667 (1 dry), 1097 m, ca. 5 mi. E of Huasabas, Sonora, México, Leg.: W.B. Miller, 1 SEP 1965.

Remarks: Currently in the genus *Monadenia*.

hilli, *Micrarionta hutsoni* Willett, 1930a: The Nautilus 44(1):6-7.

HOLOTYPE: LACM 1024 (dry), Sheep Hole Mountains, San Bernardino Co., California, Leg.: G. Willett, 8 NOV 1929.

Remarks: Junior synonym of *Eremarionta rowelli unifasciata* (Willett, 1930) fide Roth & Sadeghian (2003).

huecoensis, *Sonorella* Gilbertson & Metcalf, 2005: American Malacological Bulletin 20(1/2): 38-40, fig. 2.

HOLOTYPE: LACM 2965 (dry); **PARATYPE:** LACM 2966 (anatomy), Rimrock escarpment, Hueco Mountains, El Paso Co., Texas (31°58.24'N, 106°2.54'W), Leg.: A.L. Metcalf, 2 NOV 1987; **PARATYPES:** LACM 2967 (21 dry), Rimrock escarpment, Hueco Mountains, El Paso Co., Texas, Leg.: A.L. Metcalf, 17 JAN 1976; **PARATYPES:** LACM 2968 (8 dry), Rimrock escarpment, Hueco Mountains, EL Paso Co., Texas, Leg.: T. Dillon & A.L. Metcalf, 12 AUG 1989.

Remarks: Paratype anatomies mounted on glass slides.

imitator, *Sonorella* Gregg & Miller, 1974: Bull. So. Calif. Acad. Sci. 73(3):148-150, fig. 2.

HOLOTYPE: LACM 1154 (dry), S slope of Graham Mountain, Pinalento Mountains, Graham Co., Arizona, Leg.: M.L. Walton & W.O. Gregg, 21 APR 1954; **PARATYPES:** LACM 1692 (5 dry), 2743 m, N of Swift Trail, 20.7 mi. from U.S. Highway 666, on S slope of Graham Mountain, Graham Co., Arizona, Leg.: M.L. Walton & W.O. Gregg, 21 APR 1954.

immaculata, *Micrarionta* Willett, 1937a: Bull. So. Calif. Acad. Sci. 36(1):6-7, pl. 1, figs. a-c.

HOLOTYPE: LACM 1051 (dry), 7 mi. S of Vidal, E side of Riverside Mountains, Riverside Co., California, Leg.: G. & O. Willett, 24 MAR 1937.

Remarks: Currently in the genus *Eremarionta* fide Roth & Sadeghian (2003).

intersessa, *Helminthoglypta* Roth, 1986: Wasmann Jour. Biol. 44(1-2):57-65.

PARATYPE: LACM 2242 (1 dry), 7 m, coastal bluffs immediately N of Pudding Creek mouth, Mendocino Co., California, Leg.: B. Roth, 15 OCT 1972.

mariposa, *Monadenia (Corynadenia) hillebrandi* A.G. Smith, 1957: Proc. Calif. Acad. Sci., 4th ser., 29(2):24-26.

PARATYPES: LACM 1112 (2 dry), McLean Cave, Mariposa Co., California, Leg.: R. de Saussure, 16 NOV 1953.

Remarks: Currently a valid species fide Roth & Sadeghian (2003).

mattolensis, Helminthoglypta arrosa A.G. Smith, 1938: The Nautilus 51(3):83-85.

PARATYPES: LACM 1222 (3 dry), between Cape Mendocino & the Mattole River mouth, Humboldt Co., California, Leg.: G D. Hanna, 13 JUN 1929.

Remarks: Currently a subspecies of *Helminthoglypta expansilabris* A.G. Smith, 1938 fide Roth & Sadeghian (2003).

mccoiana, Micrarionta Willett, 1935b: Bull So. Calif. Acad. Sci. 34(1):2.

HOLOTYPE: LACM 1044 (dry), McCoy Well, McCoy Mountains, Riverside Co., California, Leg.: G. Willett, 6 MAR 1935.

Remarks: Currently in the genus *Eremarionta* and currently a subspecies *E. rowelli* (Newcomb, 1865) fide Roth & Sadeghian (2003).

meadi, Sonorella Miller, 1966: The Nautilus 80(2):50-52.

PARATYPE: LACM 1666 (1 dry), 488 m, Agua Dulce Mountains, Pima Co., Arizona, Leg.: W.B. Miller, 29 JAN 1966.

micrometalleoides, Helminthoglypta Miller, 1970: The Veliger 12(3):275-278.

PARATYPES: LACM 1651 (3 dry), 3 mi. from the junction of Iron Canyon Rd. and the Garlock-Goler Highway, El Paso Mountains, Kern Co., California, Leg.: W.B. Miller.

Remarks: Currently in the subgenus *Coyote* fide Roth & Sadeghian (2003).

mina, Helminthoglypta (Helminthoglypta) salviae Roth, 1987: The Veliger 30(2):186-187.

PARATYPE: LACM 2221 (1 dry), 1524 m, gully N of Cuddy Canyon Rd., 1.8 mi. (2.9 km) W of Frazier Park, Ventura Co., California, Leg.: W.O. Gregg, 23 MAR 1947.

Remarks: Currently in the genus *Charodotes* fide Roth & Sadeghian (2003).

miwoka, Epiphragmophora californiensis Bartsch, 1919: Proc. Biol. Soc. Washington 32:248.

PARATYPES: LACM 1334 (4 dry), Pt. Reyes, Marin Co., California, Leg.: A.G. Smith, 28 APR 1918.

Remarks: Currently in the genus *Helminthoglypta* and currently a subspecies of *H. stiversiana* (Cooper, 1875) fide Roth & Sadeghian (2003).

neglecta, Sonorella Gregg, 1951: Bull. So. Calif. Acad. Sci. 50(3):156-158, pl. 52.

HOLOTYPE: LACM 1451 (dry); **PARATYPES:** LACM 1087 (195 dry), 1615 m, N of the Portal to Paradise Rd., 3 mi. W of Portal, Chiricahua Mountains, Cochise Co., Arizona, Leg.: W.O. Gregg & M.L. Walton, 13 OCT 1949.

Remarks: Holotype ex W.O. Gregg collection 5317.

opuntia, Micrarionta (Micrarionta) Roth, 1975a: Bull. So. Calif. Acad. Sci. 74(2):94-96.

PARATYPE: LACM 1773 (1 dry), NE San Nicolas Id., California Channel Ids., California, Leg.: Larson, Regal, & Anderson, APR 1974.

Remarks: Currently in the subgenus *Nicolenea* fide Roth & Sadeghian (2003).

ora, Micrarionta Willett, 1929a: Bull. So. Calif. Acad. Sci. 28(2):17-19, pl. 6.

HOLOTYPE: LACM 1018 (dry), N end of Fish Mountains, Imperial Co., California, Leg.: G. Willett, 31 MAR 1929.

Remarks: Currently in the genus *Sonorelix* and currently a subspecies of *S. borregoensis* (Berry, 1929) fide Roth & Sadeghian (2003). Cited as missing by Roth & Sadeghian (2003), but has since been located.

orocopia, Micrarionta Willett, 1939a: Bull. So. Calif. Acad. Sci. 38(1):15, pl. 2, figs. a-c.
HOLOTYPE: LACM 1060 (dry), 2.5 mi. N of Dos Palmas, Orocopia Mountains, Riverside Co., California, Leg.: G. Willett, 1 JAN 1939.

Remarks: Currently in the genus *Eremarionta* fide Roth & Sadeghian (2003).

pacoimensis, Helminthoglypta traski Gregg, 1931: The Nautilus 45(2):48-49, pl. 4, figs. 5-7.

HOLOTYPE: LACM 1033 (dry); **PARATYPES:** LACM 1653 (3 dry), Pacoima Canyon, San Gabriel Mountains, Los Angeles Co., California, Leg.: W.O. Gregg, 21 FEB 1931.

Remarks: Currently in the subgenus *Charodotes* fide Roth & Sadeghian (2003).

painter, Sonorella Lang & Gilbertson, 2010: Proc. Biol. Soc. Washington 123(1):64-70, fig. 2.

PARATYPES: LACM 3073 (5 dry), **PARATYPE:** LACM 3086 (1 dry, coated), 1868.9 m, northeastern reach of Lang Canyon, San Luis Mtns., Hidalgo Co., New Mexico (31°20.29'N, 108°45.33'W). Leg.: B.K. Lang & D.C. Rogers, 22 SEP 2000.

pedregosensis, Sonorella Gilbertson & Radke, 2006: Amer. Malac. Bull. 21(1/2):18-22, figs. 1-4.

HOLOTYPE: LACM 3046; **PARATYPE:** LACM 3047, 1421 m elev., 26 km N of Douglas, Leslie Canyon National Wildlife Refuge, Pedregosa Mtns., Cochise Co., Arizona (31°35.53'N, 109°30.40'W), Leg.: W.R. Radke, 10 AUG 202; **PARATYPES:** 1421 m elev., Leslie Canyon National Wildlife Refuge, Pedregosa Mtns., Cochise Co., Arizona (31°35.53'N, 109°30.40'W), Leg.: L. Gilbertson, 10 APR 2001.

Remarks: Anatomies mounted on glass slides.

piutensis, Helminthoglypta cuyamacensis Willett, 1938b: Bull. So. Calif. Acad. Sci. 37(2): 53-54, pl. 12.

HOLOTYPE: LACM 1056 (dry), 2133 m, Piute Mountains, Kern Co., California, Leg.: G. Willett, 3 JUL 1938.

Remarks: Identified as *Helminthoglypta piutensis* by Roth & Sadeghian (2003).

pronotis, Monadenia fidelis Berry, 1931a: The Nautilus 44(4):122-123.

PARATYPES: LACM 1226 (6 dry), Pt. St. George, 3 mi. N of Crescent City, Del Norte Co., California, Leg.: E.P. Chace, 25 AUG 1929.

reediana, Helminthoglypta Willett, 1932b: The Nautilus 45(4):134-135, pl. 11, figs. 8-10.

HOLOTYPE: LACM 1030 (dry), Lowe Canyon, Monterey Co., California, Leg.: G. Willett, 31 MAR 1931.

Remarks: Currently in the genus *Charodotes* fide Roth & Sadeghian (2003).

oremota, Micrarionta indioensis Willett, 1937b: The Nautilus 50(4):124-125.

HOLOTYPE: LACM 1050 (dry), Borrego Mountains, San Diego Co., California, Leg.: G. Willett, 14 FEB 1937.

Remarks: Currently in the genus *Cahuillus* fide Roth & Sadeghian (2003) as *Cahuillus indioensis remotus* (Willett, 1937).

rex, Helminthoglypta tudiculata Church & Smith, 1938: The Nautilus 51(4):119-122.

PARATYPE: LACM 1227 (1 dry), middle fork Tule River, 2 mi. above Springville, Tulare Co., California, Leg.: C.C. Church, JUL 1933.

Remarks: Currently a subspecies of *Helminthoglypta cypreophila* (Binney & Bland, 1869) fide Roth & Sadeghian (2003).

salviae salviae, *Helminthoglypta* (*Helminthoglypta*) Roth, 1987: The Veliger 30(2):184-186.
PARATYPES: LACM 2219 (3 dry), 1280 m, Apache Canyon, 4 km WSW of Nettle Spring Campground and 10 km E of State Highway 33, Ventura Co., California, Leg.: W.B. Miller & others, 22 APR 1986.

Remarks: Currently in the genus *Charodotes* fide Roth & Sadeghian (2003).

similans, *Helminthoglypta* Hanna & Smith, 1937: The Nautilus 51(1):13-15.

PARATYPES: LACM 1223 (2 dry), 3.75 mi. SE of Oil City, Fresno Co., California, Leg.: G D. Hanna & C.C. Church.

Remarks: Currently in the subgenus *Charodotes* fide Roth & Sadeghian (2003).

simmonsii, *Sonorella* Miller, 1966: The Nautilus 80(2):48-50.

PARATYPES: LACM 1245 (3 dry), W side of canyon that trends SW from Newman Peak, Picacho Mountains, Pinal Co., Arizona, Leg.: J.C. Bequaert, M.L. Walton, & W.B. Miller, 27 DEC 1965.

stageri, *Helminthoglypta* Willett, 1938b: Bull. So. Calif. Acad. Sci. 37(2):52-53, pl. 11.

HOLOTYPE: LACM 1055 (dry), 1676 m, Erskine Creek, Piute Mountains, Kern Co., California, Leg.: G. Willett, 29 MAY 1938.

taylori, *Helminthoglypta* (*Coyote*) Reeder & Roth, 1988: The Veliger 31(3/4):254-256.

PARATYPES: LACM 2222 (5 dry), 960 m, at junction of Cedar Springs Rd. and Summit Valley Rd., W fork of Mojave River, San Bernardino Co., California, Leg.: W.B. Miller, 9 MAY 1963.

taylori, *Humboldtiana* Drake, 1951b: Revista Sociedad Malac. 8(2):93-96.

PARATYPE: LACM 1675 (1 dry), surface of cultural deposits, Site C96, Coahuila, México, Leg.: W.W. Taylor, OCT 1947.

thermimontis, *Helminthoglypta* Berry, 1953a: Trans. San Diego Soc. Nat. Hist. 11(12):333-336.

PARATYPES: LACM 1652 (3 dry), 1524-1676 m, SE side of Hot Springs Mountain, San Diego Co., California, Leg.: S.S. Berry & W.G. Craig, 5 APR 1928.

tryoni, *Helix* Newcomb, 1864: Proc. Calif. Acad. Sci., 1st ser., 3:116.

PARATYPES: LACM 1962 (21 dry), San Nicolas Id., California Channel Ids., California

Remarks: Currently in the genus *Xerarionta* fide Roth & Sadeghian (2003).

unifasciata, *Micrarionta hutsoni* Willett, 1930a: The Nautilus 44(1):6.

HOLOTYPE: LACM 1023 (dry), Newberry Springs, San Bernardino Co., California, Leg.: G. Willett, 11 FEB 1929.

Remarks: Currently in the genus *Eremarionta* and currently a subspecies of *E. rowelli* (Newcomb, 1865) fide Roth & Sadeghian (2003).

walkeriana, *Helminthoglypta* Hemphill, 1911: Trans. San Diego Soc. Nat. Hist. 1:102.

PARATYPES: LACM 1684 (2 dry), Near Morro Bay, San Luis Obispo Co., California, Leg.: H. Hemphill.

Remarks: Currently in the genus *Charodontes* fide Roth & Sadeghian (2003). Ex W.O. Gregg collection 7539.

waltoni, *Helminthoglypta* Gregg & Miller, 1976: Bull. So. Calif. Acad. Sci. 75(1):10-13, figs. 1, 3 (lower fig.).

HOLOTYPE: LACM 1760 (dry), 1372 m, in small ravine on E side of Scove Canyon Rd.,

Laguna Mountains, San Diego Co., California (32°50.3'N, 116°29.3'W), Leg.: M.L. Walton & W.O. Gregg, 28 MAR 1947; **PARATYPE**: LACM 1107 (1 dry), 1372 m, NE side Laguna Mountain Rd., 2.8 mi. NE of Laguna Junction, Laguna Mountains., San Diego Co., California, Leg.: M.L. Walton & W.O. Gregg, 28 MAR 1947.

waltoni, *Sonorella* Miller, 1968: The Nautilus 82(2):61-63.

PARATYPES: LACM 1247 (4 dry), 0.5 mi. S canyon mouth W side of wash, West Doubtful Canyon, Peloncillo Mountains, Cochise Co., Arizona, Leg.: W.B. Miller, J.C. Bequaert, & M.L. Walton, 23 OCT 1966.

williamsi, *Helminthoglypta arrosa* A.G. Smith, 1938: The Nautilus 51(3):79-81.

PARATYPES: LACM 1220 (4 dry), Hog Id., Tomales Bay, Marin Co., California, Leg.: W. Williams, 1936.

Remarks: Currently a subspecies of *Helminthoglypta stiversiana* (Cooper, 1875) fide Roth & Sadeghian (2003).

wintu, *Monadenia (Shastelix) troglodytes* Roth, 1981: Proc. Calif. Acad. Sci., 4th ser., 42(15):396-397.

PARATYPE: LACM 2026 (1 dry), 62 mi. E of Brock Mountain Lookout, above Squaw Creek arm Shasta Lake, Shasta Co., California, Leg.: R.E. Seib, 25 MAR 1978.

CLASS BIVALVIA Linnaeus, 1758

Subclass Protobranchia Pelseneer, 1889

Order Solemyoidea Dall, 1889

Superfamily SOLEMYOIDEA Gray, 1840

Family Solemyidae Gray, 1840

reidi, *Solemya* Bernard, 1980: Venus 39(1):19-22.

PARATYPE: LACM 1722 (1 wet), 326 m, Texada Id., Strait of Georgia, Nanaimo Dist., British Columbia, Canada (49°04'N, 124°33.2'W), Leg.: D.B. Quayle, R/V *G.B. Reed*, 24 JUN 1974.

Order Nuculoida Dall, 1889

Superfamily NUCULOIDEA Gray, 1824

Family Nuculidae Gray, 1824

beringiana, *Acila (Truncacila)* Slodkevich, 1967: Tertiary *Acila* of Sakhalin Id., p. 56.

PARATYPES: LACM 2635 (2 dry), 135 m, Sea of Okhotsk, W of Oktyabr'skiy, Kamchatka Oblast, Russia (52°34'N, 154°59.08'E), Leg.: P. Ushakov, R/V *Gagara*, 4 AUG 1932

Remarks: Junior synonym of *Acila (Truncacila) castrensis* (Hinds, 1844) fide Coan & others (2000).

interflucta, *Nucula (Nucula)* Marinovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull. 16:7-8, fig.

1.

HOLOTYPE: LACM 1581 (dry); **PARATYPES:** LACM 1582 (1968 dry), 0 m, intertidal, Punta Morro, Iquique, Tarapaca Prov., Chile (20°13'S, 70°10.42'W), Leg.: L. Marinovich, AUG 1964.

keena, *Nucula* (*Lamellinucula*) Bernard, 1983: Venus 41(4):253-256, figs. 2, 6.

HOLOTYPE: LACM 2027 (dry), 2000 m, Cascadia Abyssal Plain off Oregon, East Pacific (44°39.1'N, 125°19.5'W), Leg.: Oregon State Univ., OCT 1962.

Remarks: Junior synonym of *Nucula* (*Lamellinucula*) *carlottensis* Dall, 1897 fide Coan & others (2000).

leptodonta, *Nucula* (*Leionucula*) Bernard, 1983: Venus 41(4):255-257, figs. 4, 8.

HOLOTYPE: LACM 2029 (dry), 800 m, Cascadia Abyssal Plain off Oregon, East Pacific (44°34.4'N, 125°59.3'W), Leg.: Oregon State Univ., JAN 1965.

Remarks: Junior synonym of *Ennucula tenuis* (Montagu, 1808) fide Coan & others (2000).

ovatotruncata, *Leionucula* Scarlato, 1981, Guide to the fauna of the USSR, p. 174.

PARATYPES: LACM 2638 (7 dry), 35 m, N of Ostrov Kozakevich, Zaliv Amur (= Amur Bay), Sea of Japan, Primorye Krai, Russia (43°04'N, 131°50'E), Leg.: P. Schmidt, 1 MAR 1900.

Remarks: Junior synonym of *Ennucula tenuis* (Montagu, 1808) fide Coan & others (2000).

pigafettae, *Nucula* Dall, 1908: Bull. Mus. Comp. Zool. 43(6):369-370.

PARATYPES: LACM 1167 (3 dry), 1238 m, off Valdivia, Valdivia Prov., Chile (38°08'S, 81°00'W), Leg.: R/V *Albatross*.

Remarks: Currently in the subgenus *Leionucula*.

romboides, *Leionucula inflata* Scarlato, 1981: Guide to the fauna of the USSR, p. 173-174.

PARATYPES: LACM 2644 (40 dry), 25 m, N of Mys Shelagkiy, East Siberian Sea, Chukchi Auton. Okrug, Russia (72°15'N, 167°38'E), Leg.: R/V *Sibiryakov*, 1932.

Remarks: Considered a valid species by Coan & others (2000).

takashii, *Nucula* (*Lamellinucula*) Bernard, 1983: Venus 41(4):255, figs. 3, 7.

HOLOTYPE: LACM 2028 (dry), 2000 m, Cascadia Abyssal Plain off Oregon, East Pacific (44°39.1'N, 125°19.5'W), Leg.: Oregon State Univ., OCT 1962.

Remarks: Junior synonym of *Nucula* (*Lamellinucula*) *charlottensis* Dall, 1897 fide Coan & others (2000).

yaquinae, *Nucula* (*Leionucula*) Bernard, 1983: Venus 41(4):257, figs. 5, 9.

HOLOTYPE: LACM 2030 (dry), 1540 m, Cascadia Abyssal Plain off Oregon, East Pacific (45°50.1'N, 125°14'W), Leg.: Oregon State Univ., JUL 1967.

Remarks: Junior synonym of *Ennucula cardara* (Dall, 1916) fide Coan & others (2000).

Superfamily PRISTIGLOMOIDEA Sanders & Allen, 1973

Family Pristiglomidae Sanders & Allen, 1973

fragilis, *Pseudoglomus* Bernard, 1989c: Venus 48(2):67-68, fig. 1.

HOLOTYPE: LACM 2345 (dry), 400 m, off Lincoln Co., Oregon (44°31.5'N, 124°54'W) Leg.: Oregon State Univ., 16 JUN 1964.

Family Nuculanidae H. Adams & A. Adams, 1853

angusticauda, *Nuculana* (*Nuculana*) *minuta* Scarlato, 1981: Guide to the fauna of the USSR, p. 186.

PARATYPES: LACM 2634 (2 dry), 75 m, Tatarskiy Provliy, Sea of Japan, W of Sakhalin Id., Russia, Leg.: Z. Kobyakova; R/V *Blukher*, 13 JUL 1933.

Remarks: Junior synonym of *Nuculana minuta* (Müller, 1776) fide Coan & others (2000).

burchi, *Nuculana* Willett, 1944: Bull. So. Calif. Acad. Sci. 43(2):71, pl. 14, fig. 3.

HOLOTYPE: LACM 1066 (dry), **PARATYPE:** LACM 2139 (1 dry), 91 m, off Redondo Beach, Los Angeles Co., California, Leg.: J.Q. & T.A. Burch.

Remarks: Junior synonym of *Nuculana* (*Jupetertia*) *cellulita* (Dall, 1895) fide Coan & others (2000). Paratype *ex* UCLA 20018.

exoptata, *Leda* Pilsbry & Lowe, 1932a: Proc. Acad. Nat. Sci. Philadelphia 84:107-108.

PARATYPES: LACM 2169 (4 dry), 37 m, Guaymas, Sonora, México, Leg.: H.N. Lowe

Remarks: Currently in the genus *Adrana* fide Keen (1971). *Ex* UCLA 3148.

habei, *Robaia* Scarlato, 1981: Guide to the fauna of the USSR, p. 188-189.

PARATYPE: LACM 2645 (1 dry), Zaliv Petra Velikogo (= Peter the Great Bay), Sea of Japan, Primorye Kray, Russia, Leg.: K. Derjugin, 10 JUL 1932.

Remarks: Currently in the genus *Nuculana*.

impar, *Leda* Pilsbry & Lowe, 1932a: Proc. Acad. Nat. Sci. Philadelphia 84:106-107.

PARATYPES: LACM 2168 (4 dry), Bahía Concepción, Golfo de California, Baja California Sur, México, Leg.: H.N. Lowe.

Remarks: Currently in the genus/subgenus *Nuculana* (*Saccella*) fide Keen (1971). *Ex* UCLA 3147.

laeviradius, *Leda* Pilsbry & Lowe, 1932a: Proc. Acad. Nat. Sci. Philadelphia 84:106.

PARATYPES: LACM 2167 (2 dry), 37 m, Guaymas, Sonora, México, Leg.: H.N. Lowe, 1929-1931.

Remarks: Junior synonym of *Nuculana acrita* (Dall, 1908) fide Keen (1971). *Ex* UCLA 3146.

pontonia, *Leda* Dall, 1890, Proc. USNM 12(773):257.

PARATYPES: LACM 2395 (6 dry), 1503 m, off San Diego, San Diego Co., California, Leg.: R/V *Albatross*.

Remarks: Currently in the genus/subgenus *Nuculana* (*Jupetertia*) fide Coan & others (2000).

redondoensis, *Nuculana* J.Q. Burch, 1944a: Min. Conch. Club So. Calif. 33:9-10.

PARATYPES: LACM 1316 (7 dry), Redondo Beach, Los Angeles Co., California, Leg.: J.Q. Burch, 1944; **PARATYPES:** LACM 1696 (2 dry), 46 m, off Redondo Beach, Los Angeles Co., California, Leg.: J.Q. Burch, AUG 1941.

Remarks: Junior synonym of *Nuculana* (*Jupetria*) *penderi* (Dall & Bartsch, 1910) fide Coan & others (2000).

robusta, *Ledella* Bernard, 1989c: Venus 48(2):68, fig. 2.

HOLOTYPE: LACM 2346 (dry), 4883 m, Tufts Abyssal Plain off Oregon, East Pacific (44°53.6'N, 147°36.5'W), Leg.: Oregon State Univ., 14 AUG 1976.

spinuliformis, *Ledella* Bernard, 1989c: Venus 48(2):70, fig. 4.

HOLOTYPE: LACM 2337 (dry), 2800 m, off Lincoln Co., Oregon (44°40.9'N, 125°35.3'W), Leg.: Oregon State Univ., 14 JUN 1964.

Remarks: Junior synonym of *Ledellina convexirostrata* (Filatova & Shileyko, 1984), fide Coan & others (2000).

turnerae, *Ledella* Bernard, 1989c: Venus 48(2):68-70, fig. 3.

HOLOTYPE: LACM 2347 (dry), 3650 m, W of Patton Escarpment, California (31°12'N, 119°37.4'W), Leg.: Scripps Inst. Oceanog., 18 OCT 1965.

Remarks: Junior synonym of *Ledella ultima* (E.A. Smith, 1885) fide Coan & others (2000).

Family Malletiidae H. Adams & A. Adams, 1858

alata, *Malletia* (*Malletiella*) Bernard, 1989c: Venus 48(2):71-72, fig. 7.

HOLOTYPE: LACM 2343 (dry), 1200 m, San Diego Trough, California (32°25.8'N, 117°27.5'W), Leg.: Scripps Inst. Oceanog., 22 OCT 1971.

Family Yoldiidae Habe, 1977

beringiana, *Yoldia* Dall, 1916: Proc. USNM 52(2183):399.

PARATYPE: LACM 2394 (1 broken valve), 1805 m, Pribilof Ids., Bering Sea, Alaska, Leg.: US Fish Commission.

Remarks: Junior synonym of *Megayoldia montereyensis* (Dall, 1893) fide Coan & others (2000). Specimen broken into numerous pieces.

derjugini, *Yoldiella* Scarlato, 1981: Akad. Nauk SSSR Zool. Inst., Issledovaniia Fauny Morei 14(22):206-207.

PARATYPES: LACM 2639 (32 dry), 68 m, S of Mya Gamov, Zaliv Petra Velikogo (= Peter the Great Bay), Sea of Japan, Primorye Kray, Russia (42°33'N, 131°13'E). Leg. Somov, SEP 1932.

Remarks: Incorrectly thought to be a junior homonym of *Tindaria derjugini* Gorbunov, 1946.

ensifera, *Yoldia* Dall, 1897: Bull. Nat. Hist. Soc. of Br. Columbia 2(1):9.

PARATYPES: LACM 1327 (7 dry), 68 m, Monterey Bay, Monterey Co., California, Leg.: R/V *Albatross*.

Remarks: Junior synonym of *Yoldia* (*Cnesterium*) *seminuda* Dall, 1871 fide Coan & others (2000).

montereyensis, *Yoldia* Dall, 1893: Nautilus 7(3):29-39.

PARATYPES: LACM 1125 (10 dry), 699 m, Monterey Bay, Monterey Co., California, Leg.: R/V *Albatross*.

Remarks: Currently in the genus *Megayoldia* fide Coan & others (2000).

pseudonotabile, *Yoldia* (*Cnesterium*) *keppeliana* Scarlato, 1981: Guide to the fauna of the USSR, p. 203.

PARATYPE: LACM 2636 (1 dry), 14 m, off Mya Sheveleva, Zaliv Ussuriyskiy (= Usuri Bay), Sea of Japan, Primorye Kray, Russia (43°10'N, 132°21'E), Leg.: A. Razin, 14 AUG 1932;

PARATYPE: LACM 2652 (1 dry), 20 m, off Mya Sheveleva, Zaliv Ussuriyskiy (= Usuri Bay), Sea of Japan, Primorye Kray, Russia (43°15'N, 132°19'E), Leg.: A. Razin, 8 JUN 1932.

Remarks: Junior synonym of *Yoldia (Cnesterium) seminuda* Dall, 1871.

toporoki, *Yoldia (Cnesterium)* Scarlato, 1981: Guide to the fauna of the USSR, p. 203-204.

PARATYPES: LACM 2632 (3 dry), 18-22 m, NE of Mys Terpeniya, Sakhalin Id., Sea of Okhotsk, Russia (48°39'N, 144°45'E), Leg.: Brashnikov, R/V *Storozh*, 26 JUN 1899.

Family Siliculidae Allen & Sanders, 1973

alleni, *Silicula* Bernard, 1989c: Venus 48(2):70-71, fig. 5.

HOLOTYPE: LACM 2344 (dry), 3650 m, W of Patton Escarpment, California (31°12'N, 119°37'W), Leg.: Scripps Inst. Oceanog.

sandersi, *Lamellileda* Bernard, 1989c: Venus 48(2):71, fig. 6.

HOLOTYPE: LACM 2348 (dry), 5180 m, Tufts Abyssal Plain off Oregon, East Pacific (45°02.2'N, 153°51.5'W), Leg.: Oregon State Univ., 19 AUG 1976.

Remarks: Currently in the genus *Silicula* fide Coan & others (2000).

Family Tindariidae Verrill & Bush, 1897

brunnea, *Tindaria* Dall, 1916: Proc. USNM 52(2183):401.

PARATYPES: LACM 1161 (131 dry), 2562 m, midway between St. Paul & Umnak Ids., Aleutian Ids. Co., Alaska, Leg.: R/V *Albatross*.

Remarks: Currently in the genus *Neilonella* (Family Neilonellidae) fide Coan & others (2000).

Subclass Pteriomorphia Beurlen, 1944

Order Arcoida Stoliczka, 1871

Superfamily ARCOIDEA Lamarck, 1809

Family Arcidae Lamarck, 1809

aleutica, *Samacar (Pseudoporteriis)* Kamenev, 2007: Jour. Conch. 39(3):317-319, figs. 12-13.

HOLOTYPE: LACM 3067 (dry); **PARATYPE:** LACM 3068 (1 dry, gold coated), Western Aleutian Ids, Aleutians West Co., Alaska, Leg.: R. Baxter, SEP 1986; **PARATYPE:** LACM 3069 (1 dry), 88 m, SSW of Cape Lutke, off SW end of Unimak Id., Aleutians East Co., Alaska (54°24.13'N, 165°37.78'W), Leg.: R. Baxter, 24 JUL 1986

baughmani, *Anadara* Hertlein, 1951: Texas Jour. Sci. 3(3):487-489.

PARATYPE: LACM 2058 (1 dry), 91 m, off Aransas Pass, Aransas Co., Texas

Superfamily GLYCYMERIDOIDEA Newton, 1916

Family Glycymerididae Newton, 1916

keena, *Glycymeris* Willett, 1943: Bull. So. Calif. Acad. Sci. 42(3):114, pl. 12, figs. 4-7.

HOLOTYPE: LACM 1065 (dry); **PARATYPES:** LACM 2137 (5 dry), 37-55 m, Forrester Id.,

Prince of Wales Co., Alaska, Leg.: G. Willett.

Remarks: Currently in the subgenus *Axinola* fide Coan & others (2000). Paratypes *ex* UCLA 20055.

Superfamily LIMOPSIDAE Dall, 1895

Family Limopsidae Dall, 1895

diegensis, *Limopsis* Dall, 1908: Bull. Mus. Comp. Zool. 43(6):395.

PARATYPES: LACM 1166 (61 dry), 146 m, off San Diego, San Diego Co., California, Leg.: R/V *Albatross*.

Remarks: Junior synonym of *Limopsis panamensis* Dall, 1902 fide Coan & others (2000).

Order Mytiloida Férussac, 1822

Superfamily MYTILOIDEA Rafinesque, 1815

Family Mytilidae Rafinesque, 1815

americanum, *Amygdalum* Soot-Ryen, 1955: Allan Hancock Pac. Exped. 20(1):70-71, pl. 8, fig. 37.

HOLOTYPE: LACM 2111 (dry), 37 m, off North Pt., Isla de Gorgona, Cauca Dept., Colombia (3°02'N, 78°01.5'W), Leg.: R/V *Velero III*, 22 JAN 1935.

azoricus, *Bathymodiolus* Cosel & Comtet *in* Cosel, Comtet & Krylova, 1999: The Veliger 42(3): 220-231. **PARATYPE:** LACM 3111 (wet), 866 m, Menez Gwen hydrothermal field, Mid-Atlantic Ridge (37°50.5'N, 31°31.3'W), Leg.: A.-M. Alayse, DIVA 2 Exped., R/V *Nadir*, 15 JUN 1995.

brevior, *Bathymodiolus* Cosel, Metivier, & Hashimoto, 1994: The Veliger 37(4):375-380.

PARATYPES: LACM 2759 (2 wet), 1842 m, Hine Hina hydrothermal field, Lau Basin, SE of Fiji (22°32'S, 176°43'W), Leg.: BIOLAU Exped., 13 MAY 1989.

elegantulum, *Dacrydium* (*Quendreda*) Soot-Ryen, 1955: Allan Hancock Pac. Exped. 20(1):87, pl. 8, fig. 41.

HOLOTYPE: LACM 2112 (dry); **PARATYPES:** LACM 2113 (32 dry), 64 m, Bahía Gardner, Isla Espanola (Hood), Islas Galápagos (1°21'S, 89°38'W), Leg.: R/V *Velero III*, 31 JAN 1934.

elongatus, *Bathymodiolus* Cosel, Metivier, & Hashimoto, 1994: The Veliger 37(4):380-386.

PARATYPES: LACM 2760 (2 wet), 2765 m, Mussel Valley, North Fiji Basin, NW of Fiji (18°50'S, 173°29'E), Leg.: R/V *Starmar II*, 13 JUL 1989.

hancocki, *Lithophaga* (*Leiosolenus*) Soot-Ryen, 1955: Allan Hancock Pac. Exped. 20(1): 102-103, pl. 10, fig. 60.

HOLOTYPE: LACM 2175 (wet); **PARATYPES:** LACM 1973 (3 dry), crater, Isla Onslow, N of Isla Santa Maria (= Charles Id.), Islas Galápagos (1°14.3'S, 90°26.12'W), Leg.: R/V *Velero III*, 23 JAN 1938.

neglectus, *Modiolus* Soot-Ryen, 1955: Allan Hancock Pac. Exped. 20(1):64-65, pl. 7, figs.

31-32.

HOLOTYPE: LACM 2109 (dry); **PARATYPE:** LACM 2110 (1 dry), San Diego, San Diego Co., California.

Remarks: Currently in the subgenus *Modiolusia*.

phenax, Musculus Dall, 1915: The Nautilus 28(12):138.

PARATYPES: LACM 1077 (23 dry), St. George Id., Pribilof Ids., Bering Sea, Alaska, Leg.: G D. Hanna, MAY 1939.

Remarks: Provisionally in the genus "*Musculus*" fide Coan & others (2000).

puteoserpentis, Bathymodiolus Cosel, Metivier, & Hashimoto, 1994: The Veliger 37(4): 387-391.

PARATYPE: LACM 2761 (1 dry valve; 1 wet valve), 3515 m, "L'Elan" (The Moose) site, Snake Pit hydrothermal field, Mid-Atlantic Ridge (23°22'N, 47°57'W), Leg.: Hydrosnake Exped., 21 JUN 1988.

rogersi, Lithophaga (Labis) attenuate Berry, 1957: Leaflets in Malacology 1(14):76.

PARATYPES: LACM 1117 (6 dry), NW side of Caelta Cholla, near Puerto Peñasco, Sonora, México, Leg.: M. Rogers & F. Wright, 30 DEC 1956.

rostriferum, Dacrydium (Dacrydium) Bernard, 1978: Venus 37(2):62-63, figs. 1, 12.

HOLOTYPE: LACM 1880 (dry), 2532 m, W of Cape Flattery, Clallam Co., Washington (48°26.6'N, 126°54.5'W), Leg.: Oregon State Univ., SEP 1971.

washingtonia, Habepogris Bernard, 1978: Venus 37(2):63-64, figs. 3, 13.

HOLOTYPE: LACM 1881 (dry), 2189 m, W of Cape Flattery, Clallam Co., Washington (48°38'N, 126°58.1'W), Leg.: Oregon State Univ., SEP 1971.

Remarks: Currently in the genus *Idas* fide Coan & others (2000).

Order Pterioida Newell, 1965

Suborder Pteriina Newell, 1965

Superfamily PTERIOIDEA Gray, 1847

Family Pteriidae Gray

galtsoffi, Pinctada Bartsch, 1931: Proc. USNM 79(2878):1-2.

PARATYPES: LACM 2393 (4 dry articulated specimens; 8 dry disarticulated valves), Pearl & Hermes Atoll, NW Hawaiian Ids., Leg.: P.S. Galtsoff, Aug 1930.

Order Limoida Waller, 1978

Superfamily LIMOIDEA Rafinesque, 1815

Family Limidae Rafinesque, 1815

californica, Limatula Bernard, 1988: Venus 47(4):227-228, fig. 3.

HOLOTYPE: LACM 2335 (dry), 144 m, off Santa Catalina Id., California Channel Ids.,

California (33°17.3'N, 118°15.5'W), Leg.: R/V *Velero IV*, 25 OCT 1941.

Remarks: Junior synonym of *Limatula saturna* Bernard, 1978 fide Coan & others (2000).

coani, Limatuletta Bernard, 1988: Venus 47(4):230-231, fig. 5.

HOLOTYPE: LACM 2333 (dry), 3706-3806 m, off Patton Ridge, California (31°20'N, 129°09.9'W), Leg.: Scripps Inst. Oceanog., 23 MAR 1970.

Remarks: Currently in the genus/subgenus *Limatula* (*Limatuletta*) fide Coan & others (2000).

disalvoi, Lima Raines, 2002a: La Conchiglia 34(304):31-32, fig. 35.

HOLOTYPE: LACM 2946 (dry); **PARATYPE:** LACM 2947 (1 dry); **PARATYPES:** LACM 2948 (10 wet), 10-30 m, off Anakena, Isla de Pascua (= Easter Id.), Leg.: B.K. Raines.

macleani, Limatula Bernard, 1988: Venus 47(4):227, fig. 2.

HOLOTYPE: LACM 2336 (dry), 560 m, off San Pedro, Los Angeles Co., California (33°42'N, 118°15'W), Leg.: R/V *Velero IV*, 9 OCT 1965.

Remarks: Junior synonym of *Limatula saturna* Bernard, 1978 fide Coan & others (2000).

maui, Acesta Marshall, 2001: Mem. Museum National d'Histoire Naturelle 185:99-103.

PARATYPE: LACM 3036 (1 dry), 487-480 m, SE of Campbell Id., New Zealand (53°14.30'S, 170°12.30'E), Leg.: M. Yates, R/V *Chiyo Maru*, 31 AUG 1987.

nasca, Plicacesta Bernard, 1988: Venus 47(4):228-230, fig. 4.

HOLOTYPE: LACM 2332 (dry), 228 m, off Shoal Guyot, Nasca Ridge, ca. 1500 km W of Antofagasta Prov., Chile (25°44'S, 82°25'W), Leg.: Scripps Inst. Oceanog.; Downwind Exped., 26 JUN 1958.

Remarks: Currently in the genus *Acesta*.

saturna, Limatula Bernard, 1978: Venus 37(2):71-72.

PARATYPE: LACM 1879 (1 dry), 13 m, near Saturna Id., Strait of Georgia, Capital Dist., British Columbia, Canada (48°48.2'N, 123°13.2'W), Leg.: Fisheries Res. Board of Canada, Scallop Survey, MAY 1960.

valdiviesae, Limaria Bernard, 1988: Venus 47(4):226, fig. 1.

HOLOTYPE: LACM 2334 (dry), 100 m, northern Chile (6°21'S, 80°56.1'W), Leg.: Instituto del Mar, R/V *Humboldt*, 4 OCT 1980.

Remarks: The coordinates cited by Bernard are actually off northern Peru rather than Chile.

Suborder Pectinina Waller, 1978

Superfamily PECTINOIDEA Rafinesque, 1815

Family Pectinidae Rafinesque, 1815

cranmerorum, Somalipecten Waller, 1986: The Nautilus 100(2):42-45.

PARATYPE: LACM 2198 (1 dry), 150-300 m, off Somalia.

galapagensis, Pecten (Oppenheimopecten) Grau, 1959: Allan Hancock Pac. Exped. 23:152-154, pl. 56.

HOLOTYPE: LACM 1749 (dry), 18-33 m, Caleta Tagus, Isla Isabela (Albemarle), Islas Galápagos (0°16.13'N, 91°22.63'W), Leg.: R/V *Velero III*, 15 JAN 1934.

hancocki, *Pecten* (*Oppenheimopecten*) Grau, 1959: Allan Hancock Pac. Exped. 23:154-155, pl. 57.

HOLOTYPE: LACM 1750 (dry), 86 m, Bahía Chatham, Isla del Coco, East Pacific (5°33.8'N, 86°58.7'W), Leg.: R/V *Velero III*, 14 JAN 1938; **PARATYPES:** LACM 2114 (2 dry), 57-91 m, off Isla Nuez, Isla del Coco, East Pacific (5°34'N, 86°59'W), Leg.: R/V *Velero III*, 13 JAN 1938.

phalara, *Chlamys* Roth, 1975b: Jour. Malacological Soc. Aust. 3(2):81-84.

PARATYPES: LACM 2653 (4 dry), 80-200 m, off Isla Más a Tierra, Islas Juan Fernández, East Pacific (33°36'S, 75°55'W), Leg.: R/V *Anton Bruun*, 15 DEC 1975.

Family Propeamussiidae Abbott, 1954

acutus, *Cyclopecten* Grau, 1959: Allan Hancock Pac. Exped. 23:31-32, pl. 10, fig. 2.

HOLOTYPE: LACM 1746 (dry), 59 m, N side of Isla de Gorgona, Cauca Dept., Colombia (3°01'N, 78°11'W), Leg.: R/V *Velero III*, 24 FEB 1938

argenteus, *Cyclopecten* Bernard, 1978: Venus 37(2):66-68, figs. 4, 14.

HOLOTYPE: LACM 1883 (dry), 1530 m, NW of Cape Blanco, Curry Co., Oregon (44°25.6'N, 125°13.4'W), Leg.: Oregon State Univ., AUG 1964.

barbarensis, *Cyclopecten* Grau, 1959: Allan Hancock Pac. Exped. 23:37-38, pl. 14, fig. 1.

HOLOTYPE: LACM 1748 (dry), 49-55 m, San Nicolas Id., California Channel Ids., California (33°18.3'N, 119°28.7'W), Leg.: R/V *Velero III*, 11 APR 1940.

Remarks: Grau cites that the type locality is “off Santa Barbara Id., southern California, in 27 fm., Hancock expeditions bottom sample 1064, 33°30'01"N, 119°02'20"W, May 29, 1939” but his original label notes that the locality is actually AHF locality 1086 (see data above).

benthalis, *Cyclopecten* Grau, 1959: Allan Hancock Pac. Exped. 23:24, pl. 5.

HOLOTYPE: LACM 1744 (dry), 896 m, 14.5 mi. NNW of, San Nicolas Id., California Channel Ids., California (33°28.07'N, 119°34.68'W), Leg.: R/V *Velero IV*, 07 MAY 1955.

catalinensis, *Pecten* (*Cyclopecten*) Willett, 1931b: The Nautilus 45(2):65, pl. 4, figs. 1-2.

HOLOTYPE: LACM 1020 (dry); **PARATYPE:** LACM 2138 (1 dry), 183 m, off Whites Landing, N side of Santa Catalina Id., California Channel Ids., California, Leg.: George Willett, JUL 1928.

Remarks: Currently in the genus *Cyclopecten* fide Coan & others (2000). Paratype ex UCLA 20111.

exquisitus, *Cyclopecten* Grau, 1959: Allan Hancock Pac. Exped. 23:34-36, pl. 12.

HOLOTYPE: LACM 1747 (dry), 183-274 m, off Isla Wenman (= Wolf Id.), Islas Galápagos (1°23.1'N, 91°48.7'W), Leg.: R/V *Velero III*, 11 JAN 1934.

knudseni, *Cyclopecten* Bernard, 1978: Venus 37(2):68-69, figs. 5, 15.

HOLOTYPE: LACM 1882 (dry), 2605 m, NW of Yaquina Head, Lincoln Co., Oregon (45°17.4'N, 125°49'W), Leg.: Oregon State Univ., MAR 1970.

squamiformis, *Cyclopecten* Bernard, 1978: Venus 37(2):69-70, figs. 6, 16.

HOLOTYPE: LACM 1884 (dry), 2650 m, SW of Astoria, Clatsop Co., Oregon (45°52.7'N, 126°29.4'W), Leg.: Oregon State Univ., FEB 1971.

zephyrus, *Cyclopecten* Grau, 1959: Allan Hancock Pac. Exped. 23:25-27, pl. 7, fig. 1.
HOLOTYPE: LACM 1745 (dry), 732-786 m, 5.5 mi. off Long Pt., Santa Catalina Id., California Channel Ids., California (33°27.92'N, 118°20.28'W), Leg.: R/V *Velero IV*, 2 OCT 1948.

Family Plicatulidae Yonge, 1977

anomioides, *Plicatula* Keen, 1958: Bulls. Amer. Paleo. 38(172):241-242.
PARATYPE: LACM 2267 (1 dry), on breakwater in front of Miramar Hotel, Guaymas, Sonora, México.
Remarks: Ex UCLA 46026.

Subclass Palaeoheterodonta Newell, 1965

Order Unionoida Stoliczka, 1871

Superfamily UNIONOIDEA Fleming, 1828

Family Unionidae Fleming, 1828

brooksiana, *Anodonta* van der Schalie, 1938: Ann. Carnegie Mus. 27(12):167-170.
PARATYPES: LACM 2715 (6 dry), Spout Pond, Ferryland Dist., Newfoundland, Canada, Leg.: Dr. & Mrs. S.T. Brooks, 21 SEP 1937.

conchos, *Disconaias* Taylor, 1997: Occas. Pap. Moll. 5(75):420-423, pl. 21, fig. 1.
HOLOTYPE: LACM 2257 (dry); **PARATYPES**: LACM 2849 (2 dry), Rio Conchos, about 0.5 km west of Julimes, Chihuahua State, México, Leg.: D.W. Taylor & A.L. Metcalf, 29 AUG 1969.

lananensis, *Quadrula* Frierson, 1901: The Nautilus 15(7):75-76.
SYNTYPE: LACM 2018 (1 dry), Lanana Creek, near Nacogdoches, Nacogdoches Co., Texas, Leg.: Askew, Strode, & Frierson, 10 JUL 1901.
Remarks: Currently in the genus *Fusconaia*.

moreleti, *Unio* Deshayes, 1848: Explor. sci. Algerie, Zool. 1: Mollusca, pl. 109, figs. 1-4, pl. 112, fig. 5.
SYNTYPE: LACM 2232 (1 dry), Ech Cheliff (= Orleansville), El Asnan Dist., Algeria.
Remarks: Junior synonym of *Unio elongatulus durieui* Deshayes, 1847. Ex UCLA 32172.

ortmanni, *Unio* Frierson, 1913: The Nautilus 27(2):14-15.
PARALECTOTYPES: LACM 2017 (2 dry), designated by Johnson (1972:146), Occas. Papers on Moll. 3(41), Rio Cochins, near Quirigua, Izabal Dept., Guatemala.
Remarks: Junior synonym of *Elliptio sphenorhynchus* (Crosse & Fischer, 1893).

patsaligensis, *Pleurobema* Simpson, 1900: Proc. Acad. Nat. Sci. Philadelphia 52:82.
PARATYPES: LACM 2074 (2 dry), Little Patsaliga Creek, Crenshaw Co., Alabama.
Remarks: Junior synonym of *Pleurobema strodeanum* (Wright, 1898).

sajensis, *Elliptio* Frierson, 1927: Check list of No. Amer. Naiades, Baylor Univ. Press, p. 37.
PARATYPES: LACM 2019 (3 dry), Rio Saja, 4 mi. W of Esmeralda, Jutiapa Dept., Guatemala.

Subclass Heterodonta Neumayr, 1884

Order VENEROIDA H. Adams & A. Adams, 1856

Family Thyasiridae Dall, 1900

careyi, *Axinulus* Bernard, 1979b: Nat. Hist. Mus. L.A. Co. Cont. Sci. 313:33-34, fig. 50.

HOLOTYPE: LACM 1900 (dry); **PARATYPE**: LACM 1901 (1 dry), 695 m, Beaufort Sea, Barrow Co., Alaska (71°14.3'N, 149°22.9'W), Leg.: Oregon State Univ., 5 SEP 1971.

orecta, *Thyasira* Bernard, 1982: Venus 41(3):177-180, figs. 1-3c.

HOLOTYPE: LACM 1804 (dry), 2520 m, W of Cape Flattery, Clallam Co., Washington (48°18.4'N, 127°04.2'W), Leg.: Oregon State Univ.

phrygiana, *Thyasira* Miloslavskaya, 1977: Studies of sea fauna 14(22):402.

PARATYPES: LACM 2647 (2 dry), 53 m, Ostrov Vrangelya (= Wrangel Id.), East Siberian Sea, Chukchi Auton. Okrug, Russia (73°02'N, 178°43'E), Leg.: R/V *Krasin*, 7 SEP 1935.

redondoensis, *Aligena* T. Burch, 1941: The Nautilus 55(2):50-51, pl. 4, figs. 5-6.

HOLOTYPE: LACM 1844 (dry); **PARATYPES**: LACM 1010 (4 dry); **PARATYPES**: LACM 1845 (4 dry), 137 m, off Redondo Beach, Los Angeles Co., California, Leg.: T.A. & J.Q. Burch, AUG 1938.

Remarks: Holotype *ex* AHF 382. Currently in the genus *Axinodon* fide Coan & others (2000).

sphaericosa, *Adontorhina* Scott, 1986: The Veliger 29(2):150-153.

PARATYPES: LACM 2087 (3 wet), 280 m, Boca de Quadra Fjord, Ketchikan Co., Alaska (55°10.2'N, 130°37.5'W), Leg.: R. Cimberg, SEP 1981.

Superfamily ASTARTOIDEA d'Orbigny, 1844

Family Astartidae d'Orbigny, 1844

derjugini, *Astarte* (*Astarte*) Filatova, 1957: Trudy Inst. Okean. Akad. Nauk SSSR, p. 298.

PARATYPES: LACM 2643 (2 dry), 253 m, Sea of Okhotsk, SW of Kamchatka Region, Russia, Leg.: R/V *Vityaz*, JUN 1951.

Remarks: Junior synonym of *Astarte crenata* (Gray, 1824) fide Coan & others (2000).

derbecki, *Elliptica alaskensis* Scarlato, 1981: Guide to the fauna of the USSR, p. 294.

PARATYPE: LACM 2649 (1 dry), 84 m, SE of Mys Levenshterna, Sea of Okhotsk, Sakhalin Id., Russia (53°47'N, 143°22'E), Leg.: P. Ushakov; R/V *Gagara*, 11 AUG 1932; **PARATYPES**: LACM 2650 (3 dry), 20 m, Yakshina Bight, Ostrova Bol'shoy Shantar; Shantarskiye Ostrova, Sea of Okhotsk, Khabarovsk Krai, Russia (54°44'N, 137°36'E), Leg.: I. Zaks, 10 SEP 1927.

Remarks: Junior synonym of *Astarte elliptica* (Brown, 1827) fide Coan & others (2000).

inaequilatera, *Nicania* Filatova, *in* Scarlato, 1981: Guide to the fauna of the USSR, p. 302.

PARATYPES: LACM 2631 (11 dry), 60-70 m, Shikotan-To, Kurile Ids., Russia. Leg.: E. Gujanova, 19 SEP 1949.

Remarks: Currently in the genus *Astarte* fide Coan & others (2000).

mirabilis, *Rictocyma* Dall, 1871: Amer. Jour. Conchology 7:151.

PARATYPES: LACM 2396 (5 dry valves), 15 m, Unga Id., Shumagin Ids., Aleutian Ids. Co., Alaska, Leg.: W.H. Dall.

Remarks: Junior synonym of *Astarte esquimalti* (Baird, 1863) fide Coan & others (2000).

vernica, *Astarte* (*Nicania*) Dall, 1903a: Proc. USNM 26(1342):945, 948-949.

PARATYPES: LACM 1204 (6 dry), 18-29 m, Nazan Bay, Atka Id., Aleutian Ids. Co., Alaska.

willetti, *Astarte* Dall, 1917b: The Nautilus 31(1):11-12.

PARATYPES: LACM 2170 (7 dry), 91 m, Forrester Id., Prince of Wales Co., Alaska, Leg.: G. Willett.

Remarks: Junior synonym of *Astarte compacta* Carpenter, 1864 fide Coan & others (2000). *Ex* UCLA 6735.

Superfamily CRASSATELLOIDEA Férussac, 1822

Family Crassatellidae Férussac, 1822

skoglundae, *Crassinella* Coan, 1979: The Veliger 22(1):6-7.

PARATYPE: LACM 1904 (1 dry), 7.5-15 m, La Cruz, Bahía Banderas, Nayarit, México (20°45'N, 105°24'W), Leg.: C. & P. Skoglund, 31 JUL 1973.

Superfamily CARDITOIDEA Fleming, 1828

Family Carditidae Fleming, 1828

montereyensis, *Cardita ventricosa* Smith & Gordon, 1948: Proc. Calif. Acad. Sci., 4th ser., 26(8):212-216.

PARATYPES: LACM 1002 (4 dry), 115 m, 4.6 mi. NW of Pt. Pinos, Monterey Bay, Monterey Co., California, Leg.: G.C. McGinitie, 9 MAR 1931.

Remarks: Junior synonym of *Cyclocardia ventricosa* (Gould, 1850) fide Coan & others (2000).

redondoensis, *Cardita ventricosa* T. Burch, 1944b: Min. Conch. Club So. Calif. 39:14.

PARATYPES: LACM 1299 (3 dry); **PARATYPE:** LACM 1769 (1 dry), 137-183 m, off Redondo Beach, Los Angeles Co., California, Leg.: T.A. & J.Q. Burch, AUG 1941.

Remarks: Junior synonym of *Cyclocardia ventricosa* (Gould, 1850) fide Coan & others (2000).

umnaka, *Cardita* Willett, 1932c: Trans. San Diego Soc. Nat. Hist. 7(9):87-88, pl. 5, figs. 1a-2b.

HOLOTYPE: LACM 1034 (dry); **PARATYPES:** LACM 2140 (120 dry valves); **PARATYPES:** LACM 2278 (2 dry), Umnak Id., Aleutian Ids. Co., Alaska, Leg.: G. Willett, JUL 1926.

Remarks: Currently in the genus *Cyclocardia* fide Coan & others (2000). Paratype lot LACM 2140 *ex* UCLA 20132; paratype lot LACM 2278 *ex* UCLA 1406.

Family Condyllocardiidae Bernard, 1897

elongata, *Condyllocardia* Coan, 2003: The Nautilus 117(2):54, figs. 21-23.

HOLOTYPE: LACM 2926 (dry); **PARATYPES:** LACM 2927 (5 dry), 15-30 m, Punta Espinosa,

Isla Fernandina (= Narborough Id.) (0°16.5'S, 91°26.20'W), Leg.: R/V *Searcher*, 25 JAN 1972.

fernandina, *Condylocardia* Coan, 2003: The Nautilus 117(2):53-54, figs. 15-17.

HOLOTYPE: LACM 2920 (dry); **PARATYPES**: LACM 2921 (7 dry), 12 m, Punta Espejo, E side of Isla Marchena (= Bindloe Id.), Islas Galápagos (0°19.30'N, 90°24'W), Leg.: J.H. McLean, 11 MAY 1984.

galapagana, *Carditella* Coan, 2003: The Nautilus 117(2):57-, figs. 29-32.

HOLOTYPE: LACM 2930 (dry); **PARATYPES**: LACM 2931 (8 dry), 183-274 m, Isla Wenman (= Wolf Id.), Islas Galápagos (1°23'N, 91°49'W), Leg.: R/V *Velero III*, 11 JAN 1934.

geigeri, *Condylocardia* Coan, 2003: The Nautilus 117(2):56-57, fig. 28.

HOLOTYPE: LACM 2962 (dry); **PARATYPES**: LACM 2963 (135 dry), 37 m, Bahía Sullivan, Isla San Salvador (= James Id.), Islas Galápagos (0°16'S, 90°34'W), Leg.: *Velero III*, 24 JAN 1934; **PARATYPE**: LACM 2964 (1 dry), 16 m, Bahía Academy, Isla Snta Cruz (= Indefatigable Id.), Islas Galápagos (0°45'S, 90°18'W), Leg.: R/V *Velero III*, 7-8 DEC 1934.

kaiseri, *Condylocardia* Coan, 2003: The Nautilus 117(2):54-56, figs. 24-27.

HOLOTYPE: LACM 2928 (dry); **PARATYPES**: LACM 2929 (21 dry), 12 m, Punta Espejo, E side of Isla Marchena (= Bindloe Id.), Islas Galápagos (0°19.30'N, 90°24'W), Leg.: J.H. McLean, 11 MAY 1984.

koolsae, *Condylocardia* Coan, 2003: The Nautilus 117(2):53-54, figs. 18-20.

HOLOTYPE: LACM 2924 (dry); **PARATYPES**: LACM 2925 (5 dry), 274 m, Isla Wenman (= Wolf Id.), Islas Galápagos (1°23'N, 91°49'W), Leg.: R/V *Velero III*, 11 JAN 1934.

pusilla, *Benthocardiella* Powell, 1930: Trans. Proc. New Zealand Inst. 60:533-534.

PARATYPE: LACM 1361 (1 dry), 18-22 m, off Wanganui, Wellington, North Id., New Zealand.

sparsa, *Condylocardia* Coan, 2003: The Nautilus 117(2):50-53, figs. 12-14.

HOLOTYPE: LACM 2918 (dry); **PARATYPES**: LACM 2919 (10 dry), 8-12 m, Punta Penca, N of Bahía Potrero, Guanacaste Prov., Costa Rica (10°29.15'N, 85°48.85'W), Leg.: P.I. LaFollette & D. Cadien, 20 FEB 1972.

Superfamily CHAMOIDEA Lamarck, 1809

Family Chamidae Lamarck, 1809

arcana, *Chama* Bernard, 1976: Nat. Hist. Mus. L.A. Co. Cont. Sci. 278:14-15, fig. 4a.

HOLOTYPE: LACM 1723 (dry), 0 m, intertidal, Newport Bay, Orange Co., California (33°37'N, 117°55'W), Leg.: J.H. McLean, MAR 1965.

cerion, *Chama* Matsukuma, Paulay, & Hamada, 2003: Venus 62(1-2):21-25.

PARATYPES: LACM 3065 (3 dry), Moorea, Society Arch., French Polynesia, Leg.: E. Lovatelli.

clarionensis, *Pseudochama* Willett, 1938a: The Nautilus 52(2):48-49, pl. 4, figs. 1-2.

HOLOTYPE & **PARATYPE** (attached): LACM 1058 (3 dry), 55 m, off SW side of Isla Clarión, Islas Revillagigedo, México, Leg.: G. Willett, 24 MAR 1938; **PARATYPES**: LACM 1627 (26 dry), 37-64 m, Isla Clarión, Islas Revillagigedo, México (18°22'N, 114°44'W), Leg.: G. Willett,

24 MAR 1938.

garthi, *Chama* Bernard, 1976: Nat. Hist. Mus. L.A. Co. Cont. Sci. 278:18, fig. 9.

HOLOTYPE: LACM 2006 (dry); **PARATYPE:** LACM 2007 (1 dry), Bahía Octavia, Choco Dept., Colombia (6°50'N, 77°41.1'W), Leg.: R/V *Velero III*, 28 JAN 1935.

Remarks: Holotype *ex* AHF 167, paratype *ex* AHF 168.

granti, *Pseudochama* Strong, 1934: The Nautilus 47(4):137.

PARATYPES: LACM 2162 (4 dry), 27-55 m, off the S side of Santa Catalina Id., California Channel Ids., California.

Remarks: *Ex* UCLA 3398.

tinctoria, *Chama* Bernard, 1976: Nat. Hist. Mus. L.A. Co. Cont. Sci. 278:22, fig. 5.

HOLOTYPE: LACM 2008 (dry); **PARATYPE:** LACM 2009 (1 dry), 27-37 m, Bahía Honda, Isla Coiba, Veraguas Prov., Panamá (7°43.27'N, 81°32.92'W), Leg.: R/V *Velero III*, 22 FEB 1934.

Remarks: Holotype *ex* AHF 169, paratype *ex* AHF 170.

Superfamily GALEOMMATOIDEA Gray, 1840

Family Galeommatidae Gray, 1840

parmaleeana, *Bellascintilla* Coney, 1990: The Nautilus 104(4):138-141, figs. 21-30.

HOLOTYPE: LACM 2446 (dry), 37 m, off Bahía Herradura, Puntarenas Prov., Costa Rica (9°38.8'N, 84°40.8'W), Leg.: R/V *Searcher*, 10 MAR 1972; **PARATYPES:** LACM 2447 (5 dry), 12 m, Isla del Cano, Puntarenas Prov., Costa Rica (8°44.0'N, 83°52.5'W), Leg.: J.H. Mclean, W. Wheeler; R/V *Searcher*, 14-19 MAR 1972; **PARATYPE:** LACM 2448 (1 dry), 18-37 m, between Rancho Palmilla & Rancho El Tule, Golfo de California, Baja California Sur, México (22°58'N, 109°48'W), Leg.: J.H. McLean et al., 5 APR 1966; **PARATYPE:** LACM 2449 (1 dry), Playa Nancite, N side Golfo de Papaguayo, Parque Nacional Santa Rosa, Guanacaste Prov., Costa Rica (10°48'N, 85°42'W), Leg.: E.V. Coan, R. Hollywood, 15 JAN 1986; **PARATYPES:** LACM 2450 (7 dry), Punta Chame, Golfo de Panamá, Panamá Prov., Panamá (8°41'N, 79°39'W), Leg.: D.R. Shasky, JUN 1977; **PARATYPE:** LACM 2451 (1 dry), 6-12 m, N side Isla Salango, Manabi Prov., Ecuador (1°35.5'S, 80°53.4'W), Leg.: D.R. Shasky, 26 JUN-4 JUL 1980.

Family Lasaeidae Gray, 1842

cistula, *Lasaea* Keen, 1938: Proc. Malac. Soc. London 23(1):25-26.

PARATYPES: LACM 2172 (4 dry), Half Moon Bay, San Mateo Co., California.

Remarks: Junior synonym of *Lasaea adansonii* (Gmelin, 1791) fide Coan & others (2000). *Ex* UCLA 20344.

nipponica, *Lasaea* Keen, 1938: Proc. Malac. Soc. London 23(1):26-28.

PARATYPE: LACM 1079 (1 dry), Watanoha, Matsushima, Miyagi Pref., Honshu, Japan.

vadosa, *Boreacola* Bernard, 1979b: Nat. Hist. Mus. L.A. Co. Cont. Sci. 313:37-38, fig. 56.

HOLOTYPE: LACM 1902 (dry); **PARATYPE:** LACM 1903 (1 dry, missing), 0.5 m, intertidal, Pitt Pt., Beaufort Sea, Barrow Co., Alaska (70°55.73'N, 153°12.73'W), Leg.: Western Washington St. Coll.

Remarks: Junior synonym of *Boreacola maltzani* (Verkrüzen, 1875) fide Coan & others (2000).

Superfamily GLOSSOIDEA Gray, 1847

Family Vesicomidae Dall & Simpson, 1901

magnifica, *Calyptogena (Ectenagena)* Boss & Turner, 1980: Malacologia 20(1):165-183.
PARATYPES: LACM 1951 (2 dry), 2451 m, Galapagos Rift, East Pacific (0°48.0'N, 86°13.00'W), Leg.: R/V *Alvin*, 1 DEC 1979.

Superfamily CYAMIOIDEA Sars, 1878

Family Cymiidae Sars, 1878

aucklandica, *Legrandina* Powell, 1933: Proc. Malac. Soc. London 20(5):233.
PARATYPE: LACM 1356 (1 dry), Faith Harbour, Auckland Ids., New Zealand.

Family Sportellidae Dall, 1899

obliqua, *Basterotia* Coan, 1999: Veliger 42(2):137-138, figs. 6-7, 32-33.
HOLOTYPE: LACM 2846 (1 dry valve); **PARATYPES:** LACM 2847-2848 (single dry valves), 100 m, 3 mi. south of Peak, Tetas de Cabra, Bahía San Carlos, near Guyamas, Golfo de California, Sonora, Mexico (27°53'N, 111°06'W), Leg.: Roy & Forrest Poorman, APR 1978.

Superfamily CORBICULOIDEA Gray, 1847

Family Pisidiidae Gray, 1857

sanguinichristi, *Pisidium (Cyclocalyx)* Taylor, 1987: New Mexico Bur. Mines Min. Res. Bull. 116:47-48, fig. 24.
HOLOTYPE: LACM 2258 (dry), 3305 m, Middle Fork Lake (a cirque lake), Sangre de Cristo Mountains, Taos Co., New Mexico, 21 MAY 1981

Superfamily VENEROIDEA Rafinesque, 1815

Family Veneridae Rafinesque, 1815

catharia, *Callocardia* Dall, 1902: Proc. USNM 26(1312):402.
PARATYPES: LACM 1205 (48 dry), 37 m, off Guaymas, Sonora, México, Leg.: R/V *Albatros*.

confusa, *Transennella* S. Gray, 1982: Malac. Review 15:109-112.
PARATYPES: LACM 1950 (21 dry), Lawson's flat, Tomales Bay, Marin Co., California (38°13'N, 122°57'W), Leg.: S. Gray, 10 AUG 1979.
Remarks: Currently in the genus *Nutricula* fide Coan & others (2000)

Superfamily TELLINOIDEA Blainville, 1814

Family Tellinidae Blainville, 1814

dexioptera, *Macoma* Baxter, 1977: The Veliger 19(3):272-276.

PARATYPES: LACM 1786 (2 dry), MacLeod Harbor, Montague Id., Prince William Sound, Valdez-Chitina-Whittier Co., Alaska (59°53.4'N, 147°49.8'W), Leg.: R. Baxter, JUL 1965

Remarks: Currently in the subgenus *Rexithaerus* fide Coan & others (2000).

inflatula, *Macoma* Dall, 1897: Nat. Hist. Soc. Br. Columbia, Bull. 2(1):11.

PARATYPES: LACM 1328 (12 dry), 22 m, Captain's Bay, Unalaska Id., Aleutian Ids. Co., Alaska.

Remarks: Junior synonym of *Macoma (Psammacoma) carlottensis* Whiteaves, 1880 fide Coan & others (2000).

morroensis, *Macoma (Psammacoma)* T. Burch, 1945: Min. Conch. Club So. Calif. 47:33.

PARATYPE: LACM 2040 (1 dry); **PARATYPES:** LACM 2153 (2 dry), near entrance of Morro Bay, San Luis Obispo Co., California, Leg.: M.E. Caruthers.

Remarks: Junior synonym of *Macoma (Psammacoma) acolasta* Dall, 1921 fide Coan & others (2000). Paratype lot LACM 2153 ex UCLA 20516.

pacis, *Macoma* Pilsbry & Lowe, 1932a: Proc. Acad. Nat. Sci. Philadelphia 84:95.

PARATYPES: LACM 2182 (1 dry), La Paz, Golfo de California, Baja California Sur, México, Leg.: H.N. Lowe.

Remarks: Junior synonym of *Macoma viridotincta* (Carpenter, 1856) fide Keen (1971). Ex UCLA 3896.

Family Donacidae Fleming, 1828

dorotheae, *Donax* Morrison, 1971: Proc. Biol. Soc. Washington 83(48):554-555.

PARATYPES: LACM 1604 (approx. 2800), 0 m, intertidal, Grand Isle, Jefferson Parish, Louisiana, Leg.: J.P.E. Morrison, 3 JAN 1970.

Family Psammobiidae Fleming, 1828

kussakini, *Asaphis* Ivanova, 1985: Vladivostok Far East Acad. Akad. Sci., p. 83.

PARATYPES: LACM 2646 (2 dry), 5 m, Ostrov Moneron, Sea of Japan, W of Sakhalin Id., Russia (46°15'N, 141°16'E), Leg.: V. Fadeev, 15 JUL 1977.

petri, *Soletellina (Nuttallia)* Bartsch, 1929: Inst. Hydro. Explor. mers d'URSS 10:133.

PARATYPE: LACM 2648 (1 dry valve), Zaliv Petra Velikogo (= Peter the Great Bay), Sea of Japan, Primorye Krai, Russia., Leg.: K. Derjugin.

Remarks: Currently in the genus *Nuttallia*.

purpureus, *Heterodonax bimaculatus* Williamson, 1893: Proc. USNM 15(898):187.

LECTOTYPE: LACM 1168 (dry), designated by Coan (1973:46), The Veliger 16(1);

PARALECTOTYPES: LACM 1176 (9 dry) (see above), San Pedro, Los Angeles Co., California.

Remarks: Junior synonym of *Heterodonax pacificus* (Conrad, 1837) fide Coan & others (2000).

salmonus, *Heterodonax bimaculatus* Williamson, 1893: Proc. USNM 15(898):187.

LECTOTYPE: LACM 1169 (dry), designated by Coan (1973:47), *The Veliger* 16(1);
PARALECTOTYPES: LACM 1177 (12 dry) (see above), San Pedro, Los Angeles Co., California.

Remarks: Junior synonym of *Heterodonax pacificus* (Conrad, 1837) fide Coan & others (2000).

Family Semelidae Stoliczka, 1870

guaymasensis, *Semele* (*Leptomyaria*) Pilsbry & Lowe, 1932a: Proc. Acad. Nat. Sci. Philadelphia 84:92.

PARATYPES: LACM 2185 (4 dry), 37 m, Guaymas, Sonora, México, Leg.: H.N. Lowe, JAN 1930.

Remarks: ExUCLA 3914

Superfamily SOLENOIDEA Lamarck, 1809

Family Solenidae Lamarck, 1809

tairona, *Solen* (*Solen*) Cosel, 1985: Bull. Mus. Nat. Hist. Nat., Paris, 4th ser., sect. A, 7(2):328-333, fig. 2a; pl. 2, fig. 2.

PARATYPE: LACM 2210 (1 dry), Cartagena-Crespo, Bolivar Dept., Colombia.

Family Pharidae H. Adams & A. Adams, 1858

myrae, *Ensis* Berry, 1953b: Trans. San Diego Soc. Nat. Hist. 11(15):398-401.

PARATYPE: LACM 1104 (1 dry), Terminal Id., San Pedro, Los Angeles Co., California, Leg.: W.H. Eschaur.

Order Myoida Goldfuss, 1820

Suborder Myina Goldfuss, 1820

Superfamily MYOIDEA Lamarck, 1809

Family Corbulidae Lamarck, 1818

grovesi, *Corbula* (*Varicorbula*) Coan, 2002: Malacologia 44(1):74-75, figs. 23, 49.

HOLOTYPE: LACM 2891 (dry); **PARATYPE:** LACM 2892 (2 dry valves), 731.7 m, 8 mi. 283 deg. T from S end of Isla San Lorenzo, Golfo de California, Baja California Sur, México (28°38.75'N, 113°0'W), Leg.: R/V *Velero IV*, 2 DEC 1967.

rosea, *Corbula luteola* Williamson, 1905b: Bull. So. Calif. Acad. Sci. 4(8):120.

SYNTYPE: LACM 1421 (1 dry), Terminal Id., Los Angeles Co., California.

Remarks: Junior synonym of *Juliacorbula luteola* (Carpenter, 1864) fide Coan & others (2000).

Family Spheniopsidae Gardner, 1928

frankbernardi, *Spheniopsis* Coan, 1990: *Veliger* 33(4):396-397, figs. 4-6.

HOLOTYPE: LACM 2427 (dry); **PARATYPE:** LACM 2428 (1 dry); **PARATYPE:** LACM 2429 (1 dry), 18-37 m, off Cabo San Lucas, Golfo de California, Baja California Sur, México (22°08'N, 110°W), Leg.: P.M. Oringer & L. Marinovich, 4 APR 1966.

Order Pholadina H. Adams & A. Adams, 1858

Superfamily PHOLADOIDEA Lamarck, 1809

Family Pholadidae Lamarck, 1809

fitchi, *Penitella* Turner, 1955: Johnsonia 3(34):71-75.

PARATYPES: LACM 1444 (2 wet), N side of Bahia San Bartolome, Pacific Coast Baja California Sur, México, Leg.: J. Fitch, E. Swyer & D. Joseph.

hopkinsi, *Penitella* Kennedy & Armentrout, 1989: The Veliger 32(3):320-324, figs. 5, 7, 9, 11.

HOLOTYPE: LACM 2387 (dry); **PARATYPES:** LACM 2388 (12 dry), SW side of Wingham Id., NW of Kayak Id., Cordova-Mc Carthy Co., Alaska (59°59.47'N, 144°24.6'W), Leg.: John M. Armentrout, 16 JUL 1975; **PARATYPES:** LACM 2389 (2 dry), 0 m, intertidal, Nuchek, N side Pt. Etches, Hinchinbrook Id., Prince William Sound, Cordova-McCarthy Co., Alaska (60°20'N, 146°40'W), Leg.: R. Baxter, JUN 1965.

richardsoni, *Penitella* Kennedy, 1989: The Veliger 32(3):316-318, figs. 7, 13.

HOLOTYPE: LACM 2378 (wet), 0 m, intertidal, cove at mouth of Coon Creek, 0.6 km NE Pt. Buchon, S of Morro Bay, San Luis Obispo Co., California (35°15.60'N, 120°53.80'W), Leg.: C. C. Coney, 19 MAY 1984; **PARATYPE:** LACM 2379 (1 wet), 0 m, intertidal, N side of Sunset Bay, Coos Co., Oregon (43°20.15'N, 124°22.03'W), 29 JUN 1942; **PARATYPES:** LACM 2380 (5 dry), 18 m, off Del Monte, Monterey Bay, Monterey Co., California (36°37'N, 121°52.5'W), Leg.: J.H. McLean; R/V *Tage*, 1960-1962; **PARATYPES:** LACM 2381 (2 dry), 0 m, intertidal, Pt. Fermin, Palos Verdes Peninsula, Los Angeles Co., California (33°43'N, 118°17'W), Leg.: M. Rogers, 12 JUN 1960; **PARATYPE:** LACM 2382 (1 dry), 0 m, intertidal, Carpinteria Reef, Santa Barbara Co., California (34°23'N, 119°31'W), Leg.: M. Rogers, 12 FEB 1961; **PARATYPES:** LACM 2383 (2 dry), 0 m, intertidal, Camalu-by-the-Sea, Pacific Coast Baja California, México (30°50'N, 116°05'W), Leg.: J.H. McLean & P.M. Oringer, 5-6 JAN 1966; **PARATYPES:** LACM 2384 (2 wet), 0 m, intertidal, Bolinas Bay, beach near Duxbury Reef, Marin Co., California (37°55'N, 122°40'W), Leg.: E.C. Wilson & W. Carney, 20 SEP 1968; **PARATYPE:** LACM 2385 (1 dry), 0 m, intertidal, Middle Cove, Cape Arago State Park, Coos Co., Oregon (43°18'N, 124°24'W), Leg.: G. Sphon & G.L. Kennedy, 10 AUG 1972; **PARATYPES:** LACM 2386 (3 dry, 2 wet), 0 m, intertidal, 0.4 km NW of South Pt., Shell Beach, San Luis Obispo Co., California (35°09.3'N, 120°40.5'W), Leg.: P.I. LaFollette, 10 DEC 1977; **PARATYPES:** LACM 2390 (5 dry), Tacoma, Pierce Co., Washington

Remarks: Paratype lot LACM 2390 ex UCLA 20643.

Subclass Anomalodesmata Dall, 1889

Order Pholadomyoidea Newell, 1965

Superfamily PANDOROIDEA Rafinesque, 1815

Family Pandoridae Rafinesque, 1815

forresterensis, *Pandora* (*Kennerlyia*) Willett, 1918: The Nautilus 31(4):134-135.

PARATYPE: LACM 2327 (12 dry), 91 m, Forrester Id., Prince of Wales Co., Alaska, Leg.: G. Willett, 1916-1917.

Remarks: Junior synonym of *Pandora* (*Pandorella*) *wardiana* A. Adams, 1859 fide Coan & others (2000). Ex UCLA 20232.

Family Lyonsiidae Fischer, 1887

cucumerina, *Lyonsia* Ivanova, in Scarlato, 1981: Guide to the fauna of the USSR, p. 280-281.

PARATYPE: LACM 2642 (1 dry), Intertidal, Yakshina Bight, Ostrov Bol'shoy Shantar, Shantarskiye Ostrova, Sea of Okhotsk, Khabarovsk Kray, Russia (54°44'N, 137°36'E), Leg.: M. Ivanova, AUG 1966.

delicata, *Lyonsia* Marinovich, 1973: Nat. Hist. Mus. L.A. Co. Sci. Bull. 16:15, figs. 23-24.

HOLOTYPE: LACM 1583 (dry); **PARATYPES:** LACM 1584 (29 dry), 0 m, intertidal, rocky beach at N end of Playa Cavanha, Iquique, Tarapaca Prov., Chile, (20°13'S, 70°10'W), Leg.: L. Marinovich, AUG 1964.

nuculaniformis, *Lyonsia* Scarlato, 1981: Guide to the fauna of the USSR, p. 279-280.

PARATYPE: LACM 2640 (1 dry), SE of Mys Kastri, Zaliv Chikhacheva, Tatarskiy Provliv, Sea of Japan, Sakhalin Id., Russia (51°29'N, 140°50'E), Leg.: Tarasov, 1929.

vniroi, *Lyonsia* Scarlato, 1981: Guide to the fauna of the USSR, p. 280.

PARATYPE: LACM 2641 (1 dry), Yakshina Bight, Ostrov Bol'shoy Shantar, Shantarskiye Ostrova, Sea of Okhotsk, Khabarovsk Kray, Russia (54°44'N, 137°36'E), Leg.: I. Zaks, 5 AUG 1927.

Family Periplomatidae Dall, 1895

rosewateri, *Periploma* (*Septentrioploma*) Bernard, 1989a: Venus 48(1):6, fig. 11.

HOLOTYPE: LACM 2331 (dry), 600 m, off Lincoln Co., Oregon (44°38.8'N, 124°54.9'W), Leg.: Oregon State Univ.; R/V *Yaquina*, 19 FEB 1970.

Superfamily PHOLADOMYOIDEA Gray, 1847

Family Parilimyidae Morton, 1847

chilensis, *Panacca* Coan, 200: Malacologia 42(1-2):165-168, figs. 1-2.

HOLOTYPE: LACM 2876 (1 dry valve): 130-180 m, off NW side of Isla Mas a Tierra, Islas Juan Fernandez (33°34'S, 78°45'W), R/V *Anton Bruun*, 13-15 DEC 1965.

Order Septibranchida Pelseneer, 1888

Superfamily CUSPIDARIOIDEA Dall, 1886

Family Cuspidariidae Dall, 1886

ascoldica, *Cuspidaria* Scarlato, 1972: Trudy Zool. Inst. Akad. Nauk SSSR 52:121.

PARATYPE: LACM 2637 (1 dry), 200 m, off Mya Povorotny, Sea of Japan, Primorye Krai, Russia (42°40'N, 133°02'E), Leg.: A. Tarasov, 21 AUG 1930.

buccina, *Cuspidaria* (*Cuspidaria*) Bernard, 1989b: Venus 48(2):62, fig. 1.

HOLOTYPE: LACM 2341 (dry), 3585 m, off Lincoln Co., Oregon (44°58.1'N, 132°14.7'W), Leg.: Oregon State Univ., 6 OCT 1972.

Remarks: Upper specimen of fig.1 (anterior portion of right valve) missing.

disa, *Cardiomya* (*Labromysa*) Bernard, 1989b: Venus 48(2):64-65, fig. 4.

HOLOTYPE: LACM 2338 (dry), 3700 m, W of Patton Ridge, southern California (32°22'N, 120°42'W), Leg.: Scripps Inst. Oceanog., 6 FEB 1981.

Remarks: Currently in the genus *Bathyneera* fide Coan & others (2000).

filatovae, *Cuspidaria* Bernard, 1979a: Venus 38(1):14-16, fig. 1.

HOLOTYPE: LACM 1906 (dry), 3932 m, NW of Newport, Lincoln Co., Oregon (45°01.1'N, 135°13.6'W), Leg.: Oregon State Univ., OCT 1972.

Remarks: Currently in the genus *Rhinoclama* fide Coan & others (2000).

isolirata, *Cardiomya* Bernard, 1969: Jour. Fish. Res. Board Canada 26(8):2231-2232, fig. 1.

HOLOTYPE: LACM 2075 (dry), 60 m, off Pt. Loma, San Diego Co., California (32°32.27'N, 117°15.47'W), Leg.: R/V *Velero III*, 23 FEB 1941.

Remarks: *Ex* AHF 163. Junior synonym of *Cardiomya pectinata* (Carpenter, 1865) fide Coan & others (2000).

marmorea, *Cuspidaria* (*Rhinoclama*) Bernard, 1989b: Venus 48(2):62, fig. 2.

HOLOTYPE: LACM 2340 (dry), 3950 m, W of Patton Escarpment, southern California (31°37'N, 120°18.3'W), Leg.: Scripps Inst. Oceanog., 23 MAR 1970.

Remarks: Junior synonym of *Rhinoclama filatovae* Bernard, 1979 fide Coan & others (2000).

okutani, *Cardiomya behringensis* Scarlato, 1972: Trudy Zool. Inst. Akad. Nauk (Leningrad) 52:122

PARATYPE: LACM 2651 (1 dry), 120-135 m, Ostrova Askolda, Zaliv Petra Valikogo (= Peter the Great Bay), Sea of Japan, Primorye Krai, Russia (42°46'N, 132°20'E), JUN-JUL 1932.

Remarks: Junior synonym of *Cardiomya behringensis* (Leche, 1883) fide Coan & others (2000).

parapodema, *Cuspidaria* Bernard, 1969: Jour. Fish. Res. Board Canada 26(8):2232, fig. 2.

HOLOTYPE: LACM 2076 (dry); **PARATYPE:** LACM 2339 (1 dry), 79-155 m, off Redondo Beach, Los Angeles Co., California (33°49.0'N, 118°26.0'W), Leg.: R/V *Velero III*, 5 MAY 1940.

Remarks: Holotype *ex* AHF 162.

variola, *Cuspidaria* Bernard, 1979a: Venus 38(1):16-17, fig. 2.

HOLOTYPE: LACM 1907 (dry), 2850 m, NW of Newport, Lincoln Co., Oregon (45°01.6'N, 127°31'W), Leg.: Oregon State Univ., DEC 1973.

Superfamily VERTICORDIOIDEA Stoliczka, 1871

Family Verticordiidae Stoliczka, 1871

aequacostata, *Verticordia* Howard, 1950: The Nautilus 63(4):109-110, pl. 7.

HOLOTYPE: LACM 1752 (dry); **PARATYPE:** LACM 1753 (1 dry), 165 m, N of Isla Angel de la Guarda, Golfo de California, México, Leg.: R/V *Velero III*; **PARATYPE:** LACM 1754 (1 dry), 192 m, off Whites Cove, Santa Catalina Id., California Channel Ids., California; **PARATYPE:** LACM 2080 (1 dry), 165 m, N of Isla Angel de la Guarda, Golfo de California, México, Leg.: R/V *VELERO III*, 21 MAR 1937.

Remarks: Holotype *ex* AHF 4371. Currently in the genus *Haliris* fide Coan & others (2000).

hancocki, *Verticordia* Bernard, 1969: Jour. Fish. Res. Board Canada 26(8):2233-2234, fig. 6.

HOLOTYPE: LACM 2079 (dry); **PARATYPE:** LACM 2268 (1 dry), 73-110 m, off Isla de Gorgona, Cauca Dept., Colombia (3°00.37'N, 78°19.78'W), Leg.: R/V *Velero III*, 24 FEB 1938.

Remarks: Holotype *ex* AHF 165. Currently in the genus/subgenus *Trigonulina* (*Verticordia*).

pacifica, *Trigonulina* Jung, 1996: Bulls. Amer. Paleont. 110(351):48-51, pl. 2, figs. 11-12.

HOLOTYPE: LACM 2718 (dry); **PARATYPES:** LACM 2762 (9 dry), 82 m, 0.4-0.7 mi. 110 to 132 degrees T from Ship Rock, Santa Catalina Id., California Channel Ids., California (33°27'N, 118°30'W), Leg.: R. Reimer et al., R/V *Velero IV*, 13 FEB 1965; **PARATYPES:** LACM 2850 (3 dry), 60 m, Humpback Rock, off Hopkins Marine Station, Pacific Grove, Monterey Co., California (36°38'N, 121°54'W), Leg.: J.H. McLean, R/V *Tage*, 26 NOV 1963; **PARATYPES:** LACM 2851 (3 dry), 99-102 m, NW of Cavern Pt., Santa Cruz Id., California Channel Ids., California (34°04'N, 119°34.4'W), Leg.: R/V *Velero III*, 12 APR 1941; **PARATYPES:** LACM 2852 (2 dry), 27-91 m, Anacapa Passage, W of Anacapa Id., California Channel Ids., California (33°59.0'N, 119°32.1'W), Leg.: R/V *Velero III*, 30 OCT 1940; **PARATYPE:** LACM 2853 (1 dry), 62-75 m, S of Gull Id., Santa Cruz Id., California Channel Ids., California (33°56.5'N, 119°49.6'W), Leg.: R/V *Velero III*, 11 APR 1941; **PARATYPES:** LACM 2854 (4 dry), 75 m, 4 mi. N of Islas Todos Santos, Pacific Coast Baja California, México (31°53.3'N, 116°48.3'W), Leg.: R/V *Velero III*, 24 FEB 1941; **PARATYPES:** LACM 2855 (12 dry), 27 m, W of Isla Smith, Bahía de los Angeles, Baja California, Golfo de California, México (29°04'N, 113°33'W), Leg.: G. Sphon & D.K. Mulliner, 10 OCT 1975; **PARATYPES:** LACM 2856 (21 dry), 18-22 m, W of Isla Smith, Bahía de los Angeles, Baja California, Golfo de California, México (29°03.7'N, 113°31.0'W), Leg.: G. Sphon & D.K. Mulliner, 10-16 MAY 1976; **PARATYPES:** LACM 2857 (25 dry), 31-37 m, Kellett Channel, S of Isla Cedros, Pacific Coast Baja California Sur, México (27°57.0'N, 115°08.5'W), Leg.: J.H. McLean & P.I. LaFollette, R/V *Searcher*, 20 OCT 1971; **PARATYPES:** LACM 2858 (24 dry), 43-55 m, of Isla Danzante, Bahía Escondido, Baja California Sur, Golfo de California, México (25°46'N, 111°15'W), Leg.: D.F.K. Mulliner & G. Sphon, 6 NOV 1978; **PARATYPES:** LACM 2859 (13 dry), 27-37 m, off Punta Arena de la Ventana, Baja California Sur, Golfo de California, México (24°04'N, 109°49'W), Leg.: J.H. McLean, P.M. Oringer, & L. Marincovich, 8 APR 1966; **PARATYPES:** LACM 2860 (6 dry), 18-55 m, off anchorage at Bahía de los Muertos, Baja California Sur, Golfo de California, México (23°58'N, 109°46'W), Leg.: J.H. McLean et al., 8 APR 1966; **PARATYPES:** LACM 2861 (6 dry), 18-37 m, between Rancho El Tule and Rancho Palmilla, Baja California Sur, Golfo de California, México (22°58'N, 109°45'W), Leg.: J.H. McLean & P.M. Oringer, 5 APR 1966; **PARATYPES:** LACM 2862 (10 dry), 37-73 m, Bahía Banderas, Jalisco, México (20°40'N, 105°25'W), Leg.: G. Willett, 14 FEB 1938; **PARATYPES:** LACM 2863 (31 dry), 26-33 m, Bahía Braithwaite, Isla Socorro, Islas Revillagigedo, México (18°42.5'N, 110°56.22'W), Leg.: R/V *Velero III*, 3 JAN 1934; **PARATYPES:** LACM 2864 (11 dry), 37 m, 0.5-1.5 mi. W of Roca Vagares, Bahía Juanillo, Guanacaste Prov., Costa Rica (10°57.47'N, 85°45.3'W), Leg.: D. Cadien & P.I. LaFollette, R/V *Searcher*, 14 FEB 1972; **PARATYPES:** LACM 2865 (27 dry), 37 m, off Bahía Herradura, Puntarenas Prov., Costa Rica (9°38.8'N, 84°40.8'W), Leg.: J.H.

McLean & W. Bussing, R/V *Searcher*, 10 MAR 1972; **PARATYPES**: LACM 2866 (15 dry), 21 m, anchorage at Bahía Herradura, Puntarenas Prov., Costa Rica (9°37.97'N, 84°40.5'W), Leg.: J.H. McLean, R/V *Searcher*, 9 MAR 1972; **PARATYPES**: LACM 2867 (12 dry), 21 m, anchorage inside small inlet 1.5 km S of Punta Quepos, Puntarenas Prov., Costa Rica (9°22.72'N, 84°09.68'W), Leg.: J.H. McLean, R/V *Searcher*, 11 MAR 1972; **PARATYPES**: LACM 2868 (8 dry), 73-128 m, Bahía Guatulco, Oaxaca, México, Leg.: G. Willett, 7 MAR 1938.

quaylei, *Lyonsiella* Bernard, 1969: Jour. Fish. Res. Board Canada 26(8):2232-2233, fig. 3. **HOLOTYPE**: LACM 2077 (dry), 664 m, off Santa Catalina Id., California Channel Ids., California (33°20.02'N, 118°13.97'W), Leg.: R/V *Velero IV*, 25 APR 1954. **Remarks**: *Ex* AHF 164.

spinosa, *Verticordia* Bernard, 1969: Jour. Fish. Res. Board Canada 26(8):2233, fig. 5. **HOLOTYPE**: LACM 2078 (dry), 274 m, Bahía de Palmas, Golfo de California, Baja California Sur, México (23°38.20'N, 109°30'W), Leg.: R/V *Velero III*, 21 JAN 1940. **Remarks**: *Ex* AHF 166. Currently in the genus *Haliris*.

Superfamily POROMYOIDEA Dall, 1886

Family Poromyidae Dall, 1886

hyalina, *Poromya (Dermatomya)* Bernard, 1989b: Venus 48(2):66, fig. 6. **HOLOTYPE**: LACM 2342 (dry), 4882 m, Tufts Abyssal Plain off Oregon, East Pacific (44°59.2'N, 147°40.8'W), Leg.: Oregon State Univ., 14 AUG 1976. **Remarks**: Currently in the genus *Dermatomya* fide Coan & others (2000).

ochotensis, *Poromya granuloderma* Scarlato, 1981: Guide to the fauna of the USSR, p. 429. **PARATYPES**: LACM 2633 (3 dry), 418 m, W of Ozernovskiy, Sea of Okhotsk, Kamchatka Oblast, Russia (51°35.10'N, 154°46'E), Leg.: P. Ushakov; R/V *Gagara*, 10 JUL 1932.

REFERENCES CITED

- Bouchet, P., Frýda, J., Hausdorf, B., Ponder, W., Valdés, A., & Warén, A. 2005. Working classification of the Gastropoda. *In*: Bouchet, P. & Rocroi, J.-P. (eds.), Classification and nomenclator of gastropod families. *Malacologia* 47(1-2):240-284.
- Bratcher, T. & Cernohorsky, W.O. 1987. Living Terebras of the world. American Malacologists, Inc.: Melbourne, Florida. 240 p., 36 figs., 74 pls.
- Cernohorsky, W.O. 1970. Systematics of the families Mitridae & Volutomitridae (Mollusca: Gastropoda). *Bulletin of the Auckland Institute and Museum* 8: iv + 1-222, pls. 1-18.
- Coan, E.V., Valentich-Scott, P., & Bernard, F.R. 2000. Bivalve seashells of western North

- America. Santa Barbara Museum of Natural History Monographs 2: viii + 764 p., numerous unnumbered figs., 124 pls.,
- Fehse, D. 1998. Beiträge zur Kenntnis der Triviidae (Mollusca: Gastropoda) I. Die Gattung *Trivirostra* von Western Samoa. Club Conchylia Informationen 30(4/6):39-67, pls. 1-9.
- Fehse, D. 2001. Beiträge zur Kenntnis der Ovulidae (Mollusca: Cypraeoidea) VIII. Einleitung zur Familie sowie Katalog, Taxonomie und Bibliographie und Bemerkungen zu verwandten Gruppen. Acta Conchylologica 5:5-31.
- Fehse, D. & Grego, J. 2004. Contribution to the knowledge of Triviidae IX. Revision of the Genus *Trivellona* Iredale, 1931. 1 CD Rom, p. 1-47, pls. 1-31.
- Geiger, D.L. & Poppe, G.T. 2000. The family Haliotidae. A Conchological Iconography. ConchBooks: Hackenheim, Germany. 135 p., 80 figs., 93 pls.
- Houart, R. 1994. Illustrated catalogue of recent species Muricidae named since 1971. Verlag Christa Hemmen: Wiesbaden, Germany. 179 p., 25 figs., 28 pls.
- Kaas, P. & Van Belle, R.A. 1987. Monograph of living chitons (Mollusca: Polyplacophora). V. 3. Suborder Ischnochitonina, Ischnochitonidae: Chaetopleurinae, & Ischnochitoninae (pars). Additions to v. 1 & 2. E.J. Brill: Leiden, Netherlands. 302 p., 116 figs.
- Kaas, P. & Van Belle, R.A. 1998. Catalogue of living chitons (Mollusca, Polyplacophora). Backhuys Publishers: Leiden, Netherlands. 204 p.
- Keen, A.M. 1971. Sea shells of tropical west America: Marine mollusks from Baja California to Peru, 2nd edition. Stanford University Press: Stanford, California. xiv + 1064 p., numerous figs., 22 pls.
- Kreipl, K. 1997. Recent Cassidae. Verlag Christa Hemmen: Wiesbaden, Germany. 151 p., numerous unnumbered figs., 24 pls.
- Lorenz, F. & Fehse, D. 2009. The living Ovulidae. A manual of the families of allied cowries: Ovulidae, Pediculariidae and Eocypraeidae. ConchBooks: Hackenheim, Germany. 651 p., 6 text figs. + numerous unnumbered figs. + 375 color figs., 203 pls.

- Marincovich, L., Jr. 1977. Cenozoic Naticidae (Mollusca: Gastropoda) of the northeastern Pacific. *Bulletins of American Paleontology* 70(294):169-494, figs. 1-12, pls. 17-42.
- McLean, J.H. 1971. A revised classification of the family Turridae, with the proposal of new subfamilies, genera, and subgenera from the eastern Pacific. *The Veliger* 14:114-130.
- McLean, J.H. 1995. Four new genera for northeastern Pacific prosobranch gastropods. *The Nautilus* 108(2):39-41.
- Poppe, G.T. & Goto, Y. 1992. *Volutes*. Mostra Mondiale Malacologia: Cupra Marittima, Italy. 348 p., numerous unnumbered figs., 107 pls.
- Powell, A.W.B. 1966. The molluscan families Speightiidae and Turridae. *Bulletin of the Auckland Institute and Museum* 5:1-184, figs. A1-A3, B-F, pls.1-23.
- Radwin, G.E. & D'Attilio, A. 1976. *Murex shells of the world: An illustrated guide to the Muricidae*. Stanford University Press: Stanford, California. 284 p., 192 figs., 22 pls.
- Ride, W.D.L., Cogger, H.G., Dupuis, C., Kraus, O., Minelli, A., Thompson, F.C., & Tubbs, P.K. (eds.). 2000. *International code of zoological nomenclature*, 4th edition. The International Trust for Zoological Nomenclature: London, UK. xxix + 306 p.
- Robin, A. & Martin, J.-C. 2004. *Mitridae. Costellariidae*. ConchBooks: Hackenheim, Germany. 34 p., numerous unnumbered figs., 32 pls.
- Roth, B. & Sadeghian, P.S. 2003. Checklist of the land snails and slugs of California. *Santa Barbara Museum of Natural History Contributions in Science* 3:1-81, figs. 1-65.
- Scheltema, A.H. 1998. Class Aplacophora. *In: Valentich-Scott, P. & Blake, J.A.(eds.)*, *Taxonomic Atlas of the benthic fauna of the Santa Maria Basin and the western Santa Barbara Channel*. V. 8, the Mollusca Part 1:3-47, figs, 2.1-2.20.
- Shimek, R.L. 1987. Family Turridae. *In: Kozloff, E.N. (ed.)*, *Marine invertebrates of the Pacific Northwest*. University of Washington Press: Seattle, Washington. Pp. 228-232, figs. 12.92-12.94 [Reprinted 1996].
- Sirenko, B. 2006. New outlook on the system of chitons (Mollusca: Polyplacophora). *Venus* 65

- (1-2):27-49, figs. 1-13,
- Sphon, G.G. 1971. Type specimens of Recent mollusks in the Los Angeles County Museum of Natural History. Los Angeles County Museum of Natural History Contributions in Science 213:1-36, figs. 1-21.
- Steiner, G. & Kabat, A.R. 2001. Catalogue of supraspecific taxa of Scaphopoda (Mollusca). *Zoosystema* 23(3):433-460.
- Steiner, G. & Kabat, A.R. 2004. Catalog of species-group names of Recent and fossil Scaphopoda (Mollusca). *Zoosystema* 26(4):549-726.
- Sterba, G.H.W. 2003. Olividae: Fibel der schalen (Mollusca, Neogastropoda). Privately published by the author. 168 p., 14 figs., 62 pls.
- Steyn, D.G. & Lussi, M. 1998. Marine shells of South Africa. Ekogilde Publishers: Hartebeespoort, South Africa. ii + 264 p., 1003 figs.
- Tucker, J.K. 1992. *Drillia macleani*, new name for *Drillia sinuosa* McLean and Poorman, 1971 (Gastropoda: Turridae). *The Nautilus* 106(2):76.
- Turner, H. 2001. Katalog der familie Costellariidae MacDonald, 1860 (Gastropoda: Prosobranchia: Muricoidea). ConchBooks, Hackenheim, Germany. 100 pp., 22 figs.
- Tursch, B. & Greifeneder, D. 2001. *Oliva* shells: The genus *Oliva* and the species problem. L'Informatore Piceno: Ancona, Italy. 570 p., numerous unnumbered figs., 29 text pls., 48 pls.
- Warén, A. & Gofas, S. 1996. A new species of Monoplacophora, redescription of the genera *Veleropilina* and *Rokopella*, and new information on three species of the class. *Zoologica Scripta* 25(3):215-232, figs. 1-15.
- Weaver, C.S. & DuPont, J.E. 1970. Living volutes: A monograph of the Recent Volutidae of the world. Delaware Museum of Natural History Monograph Series 1: xv + 375 p., 43 figs., 79 pls.
- Weil, A. Brown, L. & Neville, B. 1999. The Wentletrap Book: Guide to the Recent Epitoniidae

of the world. Evolver: Rome, Italy. 244 p., 507 figs.