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ANNOTATED CATALOG OF TYPE SPECIMENS IN THE MALACOLOGICAL COLLECTION OF THE DELAWARE MUSEUM OF NATURAL HISTORY

PART II. ADDITIONS AND CORRECTIONS TO PART I (PROSOBRANCHS, HETEROSTROPHA, AND OPISTHOBRANCHIA), PLUS BIVALVIA, SCAPHOPODA, AND POLYPLACOPHORA

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ABSTRACT. An annotated catalog of name-bearing type specimens in the mollusk collection at Delaware Museum of Natural History is continued. This contribution is Part II of the series, following Part I (marine prosobranchs and opisthobranchs) by Bieler & Bradford (1991, *Nemouria*, No. 36, 1-48). This part lists all remaining type specimens, excluding Pulmonata. A total of 143 type lots of 122 species-group taxa is recognized, and taxonomic and author indices to all taxa in Parts I and II are provided.

INTRODUCTION

In accordance with Recommendation 72G(4) of the International Code of Zoological Nomenclature (ICZN, 1985), this publication continues the annotated catalog of name-bearing type specimens [holotypes, paratypes, lectotypes, and syntypes (= cotypes)] in the mollusk collection of the Delaware Museum of Natural History (DMNH). Part I (Bieler & Bradford, 1991) included 189 lots of marine "Prosobranchia" (now recognized as an artificial taxon; Bieler, 1992) and Opisthobranchia. This part includes corrections and additions to Part I plus entries for 143 lots of non-pulmonate mollusks not previously listed. Following completion of a project to isolate all name-bearing

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types from the main collection storage cabinets into a segregated type collection, it became obvious that, contrary to an earlier statement (Bieler & Bradford, 1991: 1, 4), most of the DMNH types were not marine prosobranchs and opisthobranchs, but rather pulmonates. At present, presumed types of Pulmonata comprise 788 lots, or 70% of the total type collection; these have not yet been verified and await future study.

Since the previous catalog, the malacological collection at DMNH has surpassed 208,000 cataloged lots, maintaining its status within the top ten largest mollusk collections in the U. S. A. Moreover, DMNH undoubtedly ranks among the most completely computerized of major molluscan collections (now surpassing 72%), and still claims a remarkable capacity for collection growth in terms of available collection storage space. Contributing toward this catalog since 1991 were significant private collections containing type material donated by Dr. Lawrence F. Kienle (Medford, New Jersey; Cypraeidae), Helene Eker (Phoenix, Arizona; Mitridae and Costellariidae), and Eugenia I. Wright (Phoenix, Arizona; Muricidae). Type specimens of newly named species were also received from B. J. Piech (DMNH), D. Tippet (National Museum of Natural History), and J. K. Tucker (Illinois Natural History Survey, Wood River). In addition, one archival resource of particular note was acquired as part of the Eker donation. This is a set of approximately 2,000 10 x 16.5 cm alphabetically arranged index cards maintained as a research tool by Walter O. Cernohorsky, listing most of the described species of Mitridae and Costellariidae. Type material, original description information, geographical distribution, and Cernohorsky's own research notes are included on each card. DMNH also acquired approximately 1,300 color photographic transparencies, photographed by Cernohorsky, of type specimens of Mitridae and Costellariidae in the world's museum collections.

Following a short list of additions and corrections to Part I (Bieler & Bradford, 1991), this list is arranged in the same general format as that of Bieler & Bradford (1991). Alphabetical order of taxa is used within major molluscan groups: Polyplacophora, prosobranchs (additions to Part I + non-marine taxa), Heterostropha, Opisthobranchia (additions to Part I), Bivalvia, and Scaphopoda. Each entry includes the original combination, original status (exactly as expressed), full citation, number and kind of types, DMNH catalog number, locality data, source of DMNH material (with source lot catalog number if known), specimen dimension(s), present (and original) family placement, and remarks (justification of type status if not cited specifically by original description, condition of specimens, etc.). The locality information given is as cited on the collection label, not modified according to the original description or other source, unless so noted. Like Part I, this is not a critical catalog in that no attempt has been made to fully research each taxon with regard to present systematic status, other type material, etc.; however, the valid

name, if different from the original through known synonymy or as used in the DMNH or ANSP collections, is given following the family status.

As in Part I, we excluded specimens that were previously recognized as types simply because they were part of the original material of the author if the original description specifically restricted the type repositories. Much of the type material in this catalog originated as "split lots" from the Academy of Natural Sciences of Philadelphia (ANSP); the ANSP collection and its catalog records were consulted as additional evidence either for or against type status of the DMNH lots. Many of the ANSP source lots are now divided into "type + paratypes"; although these cases are noted as such in the text below, none of these notations (nor any other statement herein) are intended to be, nor should they be interpreted as, lectotype designations.

The specimen dimensions were determined to the nearest 0.1 mm either with calipers or a calibrated eye-piece in a dissecting stereomicroscope. Dimensions are presented slightly differently for the different shell forms reflected by the various classes. Polyplacophorans are given as L x W, where L = anteroposterior length, and W = lateral width; gastropods, as H x W, where H = anteroposterior height, and W = lateral width; bivalves, as L x H, where L = anteroposterior length, and H = dorsoventral height; and scaphopods, as L x W, where L = length of the long axis, and W = maximum width or diameter of the tube. Generally, a range is provided if the lot contains more than four specimens. Discrepancies between published and actual dimensions are also noted.

The entry format of this paper differs from Part I (Bieler & Bradford, 1991) in only two minor ways: (1) Each original citation includes all pages and figures, not just those figuring DMNH type material. Any DMNH specimens that are believed to be figured types are listed as such. (2) Family placement is expressed differently for ease of readability. Part I listed the original family, followed by the current family (in brackets) according to the classification of Ponder & Warén (1988). In this Part, the current family is presented first, followed by the original placement, if different, in brackets. Current family assignment was guided by Ponder & Warén (1988, prosobranchs only), Vaught (1989), and Turgeon, *et al.* (in press).

This list includes 122 taxa, 143 lots, 880 specimens, and 8 holotypes. Polyplacophora comprise 3 lots (3 taxa), additional prosobranchs 79 lots (62 taxa), Heterostropha 1 lot (1 taxon), additional Opisthobranchia 1 lot (1 taxon), Bivalvia 58 lots (54 taxa), and Scaphopoda 1 lot (1 taxon). No cephalopod types presently reside at DMNH. Parts I and II of this catalog (all species except Pulmonata) comprise a total of 277 taxa, 334 lots, 1,339 specimens, and 46 holotypes. Four taxa are covered by both parts of this catalog.

The type entries are followed by two indices, taxonomic (new in this Part)

and author (total = 105), which include names from both published parts of this catalog. The Literature Cited includes all original citations plus any other cited references.

Abbreviations used throughout the text are: AIM, Auckland Institute & Museum, New Zealand; AMNH, American Museum of Natural History, New York; ANSP, Academy of Natural Sciences of Philadelphia, Pennsylvania; DMNH, Delaware Museum of Natural History, Wilmington; D[T]MNH, Dallas Museum of Natural History, Texas; FLMNH, Florida Museum of Natural History, Gainesville; FMNH, Field Museum of Natural History, Chicago; MCZ, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts; UF, University of Florida [= FLMNH]; USNM, National Museum of Natural History [United States National Museum], Smithsonian Institution, Washington, D. C.; WAM, Western Australian Museum, Perth, Western Australia.

TYPE CATALOG

ADDITIONS AND CORRECTIONS TO PART I (BIELER & BRADFORD, 1991)

- Page 6, *aureola*, *Pyrene*, Howard, 1963. Add: (non Duclos in Chenu, 1846). Emended (one month after original description) by Howard (1963) to *aureomexicana*.
- Page 7, *axelrodi*, *Conus*, Walls, 1978. Next-to-last sentence should read "Also described by Walls (1979a: 183 ff.) with reference to earlier publication (Walls, 1978)."
- Page 8, *boholensis*, *Conus*, Petuch, 1979. DMNH 126400 (holotype, 38.4 mm) and 126401 (2 paratypes, 26 and 17 mm) were examined and measured by Coomans, *et al.* (1982: 32) and determined to be synonymous with *C. borneensis* Adams & Reeve, 1848.
- Page 8, *boschi*, *Cymatium*, Abbott & Lewis, 1970. Add: DMNH holotype listed by Henning & Hemmen (1993: 74).
- Page 10, *cloveri*, *Conus*, Walls, 1978. Next-to-last sentence should read "Also described by Walls (1979a: 338 ff.) with reference to earlier publication (Walls, 1978)."
- Page 14, *fayae*, *Anachis* (?*Costanachis*), Keen, 1971. Read (?*Costoanachis*).
- Page 15, *floridamus*, *Microdochus*, Rehder, 1943. Exact number of paratypes is 78.
- Page 16, *guesti*, *Pterynotus*, Harasewych & Jensen, 1979. Add: DMNH holotype listed by Houart (1994).
- Page 19, *kerstitchi*, *Conus*, Walls, 1978. Next-to-last sentence should read

"Also described by Walls (1979a: 615 ff.) with reference to earlier publication (Walls, 1978)..."

Page 21, **lightbourni**, *Pterynotus*, Harasewych & Jensen, 1979. Add: DMNH holotype listed by Houart (1994).

Page 26, **philippinensis**, *Axymene*, Petuch, 1979. Add: DMNH holotype listed by Houart (1994, as *A. philippensis* [sic]), and by Bouchet & Warén (1986) who synonymized the species with *Eosipho dentatus* (Schepman, 1911) of Buccinidae.

Page 26, **radwini**, *Pterynotus*, Harasewych & Jensen, 1979. DMNH holotype listed by Houart (1994).

Page 27, **sandwichensis**, *Conus suturalis*, Walls, 1978. Read *suturatus*.

Page 30, **vernicosum**, *Mangilia* (*Calliotectum*), Dall, 1889. Read Dall, 1890. Add: Placed in Volutidae by subsequent authors, e. g., Weaver & duPont (1970), Emerson & Sage (1986), Poppe & Goto (1992).

Page 43, Dall, W. H., 1889. Read 1890.

POLYPLACOPHORA

andersoni, *Acanthochitona* [as new species]

Watters, 1981: 173-176, pls. 2e-g, 4i.

1 figured paratype: DMNH 095383; 35 ft [published as 10.6 m], by scuba, west of Picquet Rocks, Bimini Island, Bahamas. Coll. G. Watters; ex G. Watters. Dimensions (L x W, greatest dimensions of strongly curved, dried animal): 4.8 x 2.8 mm.

Remarks: "On *Strombus gigas*" and "April 17, 1973" were in the original description of this type lot, but are not on the specimen label. Three illustrations of this paratype appear in pls. 2e-g, which although they look like dissociated plates, were presumably drawn from this still-intact specimen.

Acanthochitonidae [originally Cryptoplacidae].

lineata, *Acanthochitona* [as sp. nov.]

Lyons, 1988: 90-92, figs. 42-51.

1 paratype: DMNH 095381; Water Island, Virgin Islands. Coll. Weber, July 1959; ex G. Watters. Dimensions (L x W): 8.5 x 4.3 mm [published as 9.7 mm].

Acanthochitonidae.

portobelensis, *Callistochiton* [as new species]

Ferreira, 1976: 46-49, figs. 1-6.

1 paratype: DMNH 102101; 1-5 ft, under side of loose rock, about 5 mi

[published as 5 km] west of Portobelo, Panama. Coll. A. J. Ferreira, 15 February 1975; ex A. J. Ferreira. Dimensions (L x W): 5.5 x 3.0 mm.

Remarks: The original description mentioned paratypes in the author's collection, the source of this material.

Ischnochitonidae [originally Callistoplacidae].

PROSOBRANCHS

(ADDITIONS TO PART I; BIELER & BRADFORD, 1991)

acanthus, *Mirachelus* [as new species]

Quinn, 1991b: 168, figs. 4-6.

Holotype (figured): DMNH 187589; dredged, off Castle Roads, Bermuda. Coll. A. Guest (lot #582); ex J. E. Quinn. Dimensions (H x W): 3.1 x 2.5 mm [published as 3.45 x 2.95 mm].

3 paratypes: DMNH 187590; dredged, off Castle Roads, Bermuda. Coll. A. Guest (lot #582) via J. E. Quinn. Dimensions (H x W): (1) 2.9 x 2.4 mm, (2) 2.8 x 2.4 mm, (3) 2.7 x 2.3 mm.

Remarks: Although the caption to the published scanning electron micrographs (Quinn, 1991b: figs. 4-6) indicated "Paratype, DMNH 187590," it is the holotype (DMNH 187589) that has been coated for SEM. The published depth of 100 m is not indicated on the DMNH labels.

Trochidae [originally Trochidae: Eucyclinae: Chilodontini].

alcaldei, *Chondropoma* (*Chondropoma*) [as n. sp.]

Jaume & Sánchez de Fuentes, 1943a: 17-18, pl. 2, fig. 1.

4 paratypes: DMNH 135179; Mogote Las Damas, Central Dolores, Pedro Betancourt, Matanzas, Cuba. Ex O. Alcalde (Jackson catalog) via R. W. Jackson (#6628). Dimensions (H x W): (1) 14.8 x 9.1 mm, (2) 14.5 x 8.7 mm, (3) 14.2 x 9.1 mm, (4) 13.1 x 8.8 mm.

Remarks: The original description mentioned paratypes in private collections, *i. e.*, "en las colecciones de los autores y en la del Sr. Oscar Alcalde Ledón." The Jackson collection catalog in the DMNH archives indicates the source of these specimens as Alcalde.

Annulariidae [none specified originally].

alcaldei, *Chondrothyrium* (*Plicathyrium*) [as nueva especie]

Jaume & Sánchez de Fuentes, 1943c: 24-25, pl. 4, fig. 1.

1 paratype: DMNH 135184; Palmarito de Gonzales, Cienfuegos, Las Villas, Cuba. Ex O. Alcalde via R. W. Jackson [#6613, as *C. (P.) alcaldei alcaldei*]. Dimensions (H x W): 14.6 x 10.2 mm.

Remarks: The original description mentioned paratypes in "las colecciones de los autores y en la del Sr. O. Alcalde."

Annulariidae [none specified originally].

alcoviensis*, *Somatogyrus [as new species]

Krieger, 1972: 120-125, figs. 1-4.

12 paratypes (including figured): DMNH 041741; Cedar Shoals, Yellow River, Newton County, Georgia. Coll. K. A. Krieger, 1968-1971; ex K. A. Krieger. Dimensions (range): H = 2.2-4.3 mm, W = 2.1-3.6 mm.

12 paratypes: DMNH 041742; Newton Factory Shoals, Alcovy River, Newton County, Georgia. Coll. K. A. Krieger, 1970-1971; ex K. A. Krieger. Dimensions (range): H = 1.5-3.0 mm, W = 1.6-2.9 mm.

Remarks: Krieger's (1972) fig. 1 showed three views of two paratypes from DMNH 041741; they measure 4.3 x 3.6 mm [the largest specimen] and 4.1 x 3.6 mm (both larger than the stated dimensions from fig. 1 of 3.0 x 2.9 mm). Most of the paratypes have opercula plus dried soft parts inside the shell.

Hydrobiidae.

***backae*, *Scabricola* (*Scabricola*)** [as sp. n.]

Cernohorsky, 1973: 133-135, figs. 1-5.

1 paratype: DMNH 197613; Flinders Bay, Augusta, southwestern Australia. Coll. Mrs. F. Back, 13 September 1972; ex W. O. Cernohorsky via H. Eker. Dimensions (H x W): 22.0 x 9.1 mm.

1 paratype: DMNH 197616; Flinders Bay, Augusta, southwestern Australia. Ex Auckland Institute & Museum via H. Eker. Dimensions (H x W): 23.3 x 9.0 mm. Remarks: The original label indicates two paratypes, but this lot contains only one, with "E" written in pencil on inside of outer lip.

Remarks: The Cernohorsky index card in DMNH does not list the Eker collection, but the original description mentioned two paratypes in the Eker collection (including one at 23.1 x 9.0 mm = DMNH 197616), and one in Cernohorsky's collection (given as 22.0 x 9.0 mm = DMNH 197613), all from Flinders Bay.

Mitridae [originally Mitridae: Imbricariinae]. This is now a synonym of *Scabricola sowerbyi melvilli* (Sowerby, 1882) (Cernohorsky, 1991).

barretti, *Odostomia* [as new species]

Morrison, 1965: 220, fig. 4.

2 paratypes: DMNH 108366; 4 ft, northeast corner of Heron Bay, Mississippi. Coll. J. P. E. Morrison; ex USNM 635631 (*vidi*). Dimensions (H x W): (1) 2.0 x 1.0 mm (worn shell, apertural lip broken), (2) 1.7 x 0.9 mm (fresh shell).

Remarks: These also serve as types for the replacement name *Hydrobia booneae* Morrison (1973: 28) [new name for *Odostomia barretti* Morrison, 1965, non *O. bareti* L. Morlet, 1885].

Hydrobiidae [originally Pyramidellidae].

bermudense, *Calliostoma* [as new species]

Quinn, 1992: 86, figs. 23-24.

Holotype (figured): DMNH 187591; dredged, 45 fms, off Castle Roads, Bermuda. Coll. A. Guest & J. R. H. Lightbourn, 1975-1976; ex J. E. Quinn. Dimensions (H x W): 11.6 x 8.5 mm [published as 11.9 x 8.9 mm].

9 paratypes: DMNH 187592; dredged, 45 fms, off Castle Roads, Bermuda. Coll. A. Guest & J. R. H. Lightbourn, 1975-1976; ex J. E. Quinn. Dimensions (range): H = 5.7-8.8 mm, W = 4.8-7.0 mm.

Trochidae [originally Trochidae: Calliostomatinae].

britoi, *Eutudora limbifera* [as nueva subespecie]

Jaume & Sánchez de Fuentes, 1943b: 19-20, pl. 3, fig. 1.

6 paratypes: DMNH 135217; El Hatillo, San Miguel de los Baños, Matanzas, Cuba. Ex O. Alcalde (Jackson catalog) via R. W. Jackson (#6641). Dimensions (range): H = 10.1-12.7 mm, W = 9.7-9.8 mm.

Remarks: The original description mentioned paratypes in private collections, *i. e.*, "en las colecciones de los autores y del Sr. Oscar Alcalde y Ledón." The Jackson collection catalog in the DMNH archives indicates the source of these specimens as Alcalde. All specimens have opercula in place, possibly with dried soft parts.

Annulariidae.

caribaea, *Coralliophila* [as new species]

Abbott, 1958: 66-67, text-fig. 3 (1-2), pl. 1g-h.

3 paratypes: DMNH 024282; Vera Cruz, Mexico. Coll. Heilprin & F. C. Baker, 1890; ex ANSP 61054 (*vidi*). Dimensions (H x W): (1) 19.4 x 15.1 mm, (2) 18.9 x 11.9 mm, (3) 18.2 x 12.7 mm.

Remarks: All live-collected, with dried soft parts in shells.
Muricidae [originally Magilidae].

carinatus*, *Lamellitrochus [as new species]

Quinn, 1991a: 84-85, figs. 7-12, 34-35.

Holotype: DMNH 179393; southwest of Egmont Key, Florida, 200-230 fms. Coll. J. Moore, May 1962; ex D. Steger. Dimensions (H x W): 2.3 x 2.5 mm [published as 2.50 x 2.70 mm]. Remarks: Split from DMNH 104803 [*Lamellitrochus lamellosus* (Verrill & Smith, 1880)].

31 paratypes: DMNH 179392; 80 fms, rubble, 100 mi southwest of Egmont Key, Florida. Ex D. Steger. Dimensions (range): H = 1.1-2.5 mm, W = 1.2-2.6 mm. Remarks: Split from DMNH 104814 [*L. lamellosus* (Verrill & Smith, 1880)].

22 paratypes (including figured): DMNH 186768; southwest of Egmont Key, Florida. Coll. J. Moore, May 1962; ex D. Steger. Dimensions (range): H = 1.3-2.5 mm, W = 1.7-2.6 mm. Remarks: Includes two specimens gold-coated for scanning electron microscopy (figs. 7-9). Split from DMNH 179393; this is now the holotypic lot (above) of this species, but which according to DMNH cataloging records initially comprised 16 specimens. The discrepancy in the number of specimens (15 versus 22; initially miscounted? additional specimens added from original lot, DMNH 104803?) is unresolved.

Trochidae [originally Trochidae: Solariellinae].

casta*, *Notocypraea [as nov. spec.]

Schilder & Summers, 1963: 66.

1 paratype (labeled "e"): DMNH 196180; Port MacDonnell, South Australia. Coll. by Ian Carrison, 1960; ex P. Trenberth via L. F. Kienle. Dimensions (H x W): 21.0 x 12.8 mm [original label as 12.3 mm].

Remarks: This specimen is pure white. The original description mentioned paratypes (although un-numbered or -lettered) "in colls. Schilder, Summers, Trenberth, et. [sic] al."

Cypraeidae [none specified originally]. This is a junior synonym of *C. comptonii* Gray, 1847 (Burgess, 1985).

chocolatum*, *Incidostoma [as n. sp.]

Morrison, 1955: 158-159, figs. 10-12.

5 paratypes: DMNH 135098; Papallagta, Ecuador. Ex R. W. Jackson (#6382). Dimensions (range): H = 12.2-14.3 mm, W = 17.7-22.6

mm.

Remarks: The original description noted "additional paratypes from the original lot are in the collection of Mr. Jackson." The Jackson collection catalog indicates "det. Dr. Morrison."

Poteriidae [originally Cyclophoridae: Neocyclotinae]. Curated in the genus *Cyrtotoma* in the DMNH collection.

cloveri, *Cancilla* (Ziba) [as sp. n.]

Cernohorsky, 1971: 133-135, figs. 4-8.

1 figured paratype: DMNH 197615; 70 fms, 75 mi southwest of Kaushiung, Formosa Strait, Taiwan. Coll. 1969; ex W. O. Cernohorsky via H. Eker. Dimensions (H x W): 17.0 x 5.5 mm.

Remarks: The DMNH specimen is "paratype no. 2" described as "in the author's coll." and figured in the original description (fig. 6). Its intact protoconch was also illustrated in a line drawing (fig. 8). The paratype is listed as in Cernohorsky's collection on Cernohorsky's index card at DMNH, but was not included in the list of type material given by Cernohorsky (1991).

Mitridae [originally Mitridae: Imbricariinae].

colombiensis, *Aroapyrgus* [as n. sp.]

Malek & Little, 1971: 20-25, fig. 1.

Holotype: DMNH 041542; tributaries of Rio Pichende, near Pichende, Municipio de Cali, Departamento de Valle de Cauca, Colombia. Coll. E. A. Malek, 1968; ex E. A. Malek. Dimensions (H x W): 3.2 x 1.4 mm.

91 paratypes: DMNH 041543; tributaries of Rio Pichende, near Pichende, Municipio de Cali, Departamento de Valle de Cauca, Colombia. Coll. E. A. Malek, 1968; ex E. A. Malek. Dimensions (range): H = 2.0-3.1 mm, W = 1.0-1.6 mm.

Hydrobiidae.

crosnieri, *Cancilla scrobiculata* [as new subspecies]

Cernohorsky, 1970a: 95, 98-99, figs. 1-2.

1 paratype ("No. 3"): DMNH 197604; 150-200 m, 06°05'S, 02°37'E, coast of Dahomey, West Africa. Coll. A. Crosnier, 24 October 1963; ex H. Eker. Dimensions (H x W): 75.1 x 19.9 mm; height of aperture = 38.0 mm [published as 76.8 x 21.0 mm, height of aperture = 38.6 mm].

Remarks: The holotype (DMNH 022392) and paratype (nos. 4-5, DMNH 028221) lots were described in Part I (Bieler & Bradford, 1991: 11). At the time that paper was published, this paratype was

"in the author's collection, Auckland Institute & Museum"; Cernohorsky's numbered collection label accompanies the lot. "Paratype No 3 of *crosnieri*, coasts of Dahomey" is written in ink on the inner lip of the shell. Cernohorsky (1991) listed the DMNH holotype, but omitted mention of the two DMNH paratypic lots. Mitridae.

diminutum, *Incidostoma* [as n. sp.]

Morrison, 1955: 159, figs. 7-9.

1 paratype: DMNH 146762; Papallagta, Ecuador. Ex R. W. Jackson (#6383) via M. L. Walton (#8951). Dimensions (H x W): 12.7 x 18.8 mm.

12 paratypes: DMNH 149232; Papallagta, Ecuador. Coll. R. W. Jackson; ex R. W. Jackson (#6383). Dimensions (range): H = 8.3-12.7 mm, W = 10.5-20.0 mm.

Remarks: The original description mentioned paratypes "in the Jackson collection." The Jackson collection catalog indicates "det. Dr. Morrison."

Poteriidae [originally Cyclophoridae: Neocyclotinae]. Curated in the DMNH collection as a junior synonym of *Cyrtotoma granulatum* (Pfeiffer, 1862).

dondani, *Mitra* [as sp. n.]

Cernohorsky, 1985: 56-58, figs. 19-24.

1 paratype: DMNH 197607; dredged at 100 fms, Panglao, Bohol, Philippines. Coll. January 1985; ex H. Eker. Dimensions (H x W): 51.1 x 12.3 mm.

Remarks: Original label indicates a "51.56 mm giant" of *Mitre* [sic] *deynseri* Cernohorsky for the price of \$150.00 from Derry's Shell Shelter, La Habra, California. Paratypes from the type locality were given in the original description as in several private collections, including that of Eker. The original description listed the maximum recorded shell length as 50.0 mm.

Mitridae.

earlei, *Mitra* (*Nebularia*) [as sp. n.]

Cernohorsky, 1977: 121-123, figs. 1-5.

1 paratype: DMNH 197617; 100 fms, Pokai Bay, Oahu, Hawaii. Coll. R. Salisbury, 11 October 1976; ex Auckland Institute & Museum via H. Eker. Dimensions (H x W): 13.8 x 4.9 mm.

Remarks: The original description listed paratypes in the Eker collection, the source of this specimen. Cernohorsky (1977, 1991) twice listed

DMNH among repositories for paratypes, without number reference; because no specimens of this species were part of the DMNH collection prior to the Eker donation in September 1995, it is assumed that DMNH never received the intended paratypic lot. The specimen contains dried blackened material within the shell, perhaps dried soft parts.

Mitridae.

***edgerlyi*, *Gyrineum perca* [as n. var.]**

Richards, 1933: 57, pl. 6, fig. 2.

Holotype (figured): DMNH 195251; Japan. Ex Mrs. E. R. Edgerly via Mystic Museum. Dimensions (H x W): 62.9 x 45.7 mm [published as 6.6 x 3.7 cm].

Remarks: Although this specimen does not exactly match the published dimensions, it very closely approximates the original figure, including several visible breaks and growth flaws.

Ranellidae [none specified originally]. Placed in synonymy with *G. perca* (Perry, 1811) by Henning & Hemmen (1993), but without citing any type material for *G. perca* or *G. edgerlyi*.

***ekerae*, *Scabricola* (*Swainsonia*) *ocellata* [as subsp. n.]**

Cernohorsky, 1973: 135-137, figs. 8-12.

1 paratype: DMNH 197605; 22°43'30"S, 113°40'E, southwest of Point Cloates, Western Australia, Australia. Coll. Ningaloo Expedition, 07 September 1968; ex WAM via H. Eker. Dimensions (H x W): 33.0 x 10.1 mm.

Remarks: This specimen is listed here as a possible paratype. The Cernohorsky index card in the DMNH collection does not list the source (Eker) collection specifically; neither was mention made of the Eker collection in the list of paratypes in the original description. However, the original description listed six paratypes from Point Cloates, five in WAM (confirmed by Wells, 1977) and one "in author's collection." The paratype listed as in the author's collection closely approximates the dimensions of this specimen (33.0 x 10.0 mm); we assume that this is the DMNH specimen.

Mitridae [originally Mitridae: Imbricariinae].

***eugeniae*, *Notadusta* [as spec. nov.]**

C. N. Cate, 1975: 260, fig. 5.

1 paratype: DMNH 196224; Hopetoun, southern Western Australia, Australia. Ex L. F. Kienle. Dimensions (H x W): 27.1 x 15.2 mm.

1 paratype ("No. 1"): DMNH 201199; Hopetoun, southern Western

Australia, Australia. Coll. 14 March 1974; ex E. Wright (#C290, "paratype 1, sub-adult, 27.5 mm, \$75.00"). Dimensions (H x W): 27.6 x 17.1 mm.

Remarks: The measurements of DMNH 201199 exactly match those cited in the original description ("paratype I").

Cypraeidae [originally Cypraeidae: Erroneinae]. Synonymized with *Cypraea declivis* Sowerby, 1870 (Burgess, 1985).

***fergusoni*, *Acmaea* [as sp. nov.]**

Wheat, 1913: 17-20, pl. 1.

1 syntype: DMNH 023402; Hempstead Bay, Long Island, New York. Ex Brooklyn Museum via ANSP 185472 (*vidi*). Dimensions (H x W): 19.3 x 14.8 mm; depth = 6.5 mm.

Remarks: This specimen is listed here as a possible syntype. The original description listed "Types from the north shore of Long Island, N. Y., in the Museum of The Brooklyn Institute of Arts and Sciences, Accession No. 12656." The Brooklyn Museum collection was subsequently transferred to ANSP (Robertson, *et al.*, 1981: 19). Hempstead Bay was not listed among the author's collecting sites. The source lot (ANSP 185472) is labelled "types" and now contains 61 specimens filed as *Acmaea testudinalis* var. *fergusoni*; other labels with the lot indicate "Central Museum," catalog no. 12656, and "Hempstead Bay, VI.17.13" (June 17, 1913?). Robertson, *et al.* (1981) listed the source lot as syntypic.

Lottiidae [none specified originally]. Now known as *Tectura testudinalis fergusoni* (*fide* Jacobson & Emerson, 1971; Lindberg, 1986).

***filiareginae*, *Vexillum regina* [as subspec. nov.]**

J. M. Cate, 1961: 80-81, pl. 18, figs. 6a-b, pl. 19, fig. 6, pl. 20, figs. 1-10, table.

1 figured paratype (#6): DMNH 197602; Zamboanga, Philippines. Ex H. Eker. Dimensions (H x W): 67.0 x 17.0 mm [published as 67.4 x 17.5 mm]. Remarks: A sticker inside the aperture indicates "124 Para #6." The specimen has a complete thickened outer lip. This specimen was figured by Cate on pl. 19, fig. 6 and pl. 20, fig. 7.

1 figured paratype (#7): DMNH 197603; Zamboanga, Philippines. Ex H. Eker. Dimensions (H x W): 65.0 x 15.0 mm [published as 65.2 x 15.4 mm].). Remarks: A sticker inside the aperture indicates "124 Para #7." The specimen has a thin, chipped outer lip. This specimen was figured by Cate on pl. 20, fig. 8.

Remarks: The original description listed paratypes #6 and #7 as in the d'Attilio collection. Although these specimens, from the Eker

collection, do not indicate a source, they are clearly paratypes #6 and #7 (via stickers in the aperture and matching the published figures).

Costellariidae [originally Mitridae]. This subspecies was synonymized with *Vexillum regina* (Sowerby, 1828) by Cernohorsky (1970b).

fuentesii, *Chondropoma* (*Chondropoma*) [as spec. nov.]

Jaume & Alcalde y Ledón, 1944: 39-40, pl. 6.

3 paratypes: DMNH 124279; finca de Lewis, Arimao, Cienfuegos, Las Villas, Cuba. Ex O. Alcalde (Jackson catalog) via R. W. Jackson (#6633). Dimensions (H x W): (1) 14.5 x 8.5 mm, (2) 12.9 x 8.4 mm, (3) 12.2 x 8.2 mm.

Remarks: The original description mentioned paratypes in private collections, *i. e.*, "en las colecciones del Dr. Luis Sánchez de Fuentes y de los autores." The Jackson collection catalog in the DMNH archives indicates the source of these specimens as Alcalde. All specimens have "4153" written on them; significance of this number is unknown.

Annulariidae [none specified originally].

fuentesii, *Chondrothyrium crenimargo* [as nueva subespecie]

Alcalde y Ledón, 1943: 11-13, pl. 1, fig. 1.

1 paratype: DMNH 135185; Loma #3 del Marañón, Gavilán, Cienfuegos, Las Villas, Cuba. Ex O. Alcalde via R. W. Jackson (#6612). Dimensions (H x W): 15.0 x 10.5 mm.

Remarks: The original description mentioned paratypes "en las colecciones del autor, del Dr. Luis Sánchez de Fuentes y de Miguel L. Jaume." The DMNH shell has "1449" written on it; the original [non-DMNH] labels have "6612" inscribed. The Jackson collection catalog in the DMNH archives indicates Alcalde as the source for #6612. The DMNH specimen does not match the dimensions of any of the 12 specimens cited in the original description.

Annulariidae [none specified originally].

guamensis, *Favartia* [as n. sp.]

Emerson & D'Attilio, 1979: 4-5, figs. 11-12.

1 paratype: DMNH 201173; 60 ft, under dead coral, scuba, Orote Cliffs, Orote Peninsula, Guam Is., Mariana Islands. Coll. 1978 [published as 1977]; ex A. Deynzer via E. Wright (#M991, "6.4 mm, \$25.00"). Dimensions (H x W): 6.7 x 4.3 mm.

Remarks: Although A. Deynzer's collection label is not present, Wright's

collection catalog indicates that this specimen was purchased from Deynzer.

Muricidae [originally Muricidae: Muricopsinae]. This is "probably a junior synonym of *Favartia crouchi* (Sowerby, 1894)" according to Houart (1994: 54).

guesti, *Calliostoma* [as new species]

Quinn, 1992: 106-107, figs. 92-93.

Holotype: DMNH 096994; 100-120 fms, 2.5 mi off South Shore, Bermuda. Coll. A. Guest & J. R. H. Lightbourn, 21 September 1973; ex A. Guest & J. R. H. Lightbourn. Dimensions (H x W): 27.4 x 27.1 mm [published as 27.5 x 27.5 mm].

3 paratypes (including figured): DMNH 187588; 100-120 fms, 2.5 mi off South Shore of Bermuda. Coll. A. Guest & J. R. H. Lightbourn, 21 September 1973; ex A. Guest & J. R. H. Lightbourn. Dimensions (H x W): (1) 23.1 x 22.7 mm, (2) 22.7 x 21.9 mm [figured specimen], (3) 16.2 (apex broken) x 17.4 mm. Remarks: Split from DMNH 096994.

Remarks: The figured specimen (Quinn, 1992: figs. 92-93) is not the holotype as stated, but rather is the second largest paratype, photographed when the specimen was still part of lot DMNH 096994. The cited dimensions of the holotype in the figure caption, although not exactly matching measurements presented here, are presumably those of the holotype and not the figured paratype.

Trochidae [originally Trochidae: Calliostomatinae].

hadari, *Drupa ricinus* [as new subspecies]

Emerson & Cernohorsky, 1973: 23-24, pl. 2, figs. 9-10, pl. 18.

2 paratypes: DMNH 051118; on coral reefs, Eilat, Gulf of Aqaba, Israel. Coll. D. Peled, April 1971; ex D. Peled. Dimensions (H x W, including spines): (1) 35.0 x 36.8 mm, (2) 27.1 x 29.2 mm.

Remarks: The original description indicated DMNH 051119 as a paratypic lot with (at least) one specimen of 28.0 mm length x 29.0 mm width - roughly equal to the smaller specimen in this lot. The original specimen label (ex Auckland Institute & Museum) indicates "2 paratypes DMNH 51118/9." DMNH 051119 was assigned to a lot of another species, so we believe this is the type lot.

Muricidae [originally Muricidae: Thaidinae].

hansenae, *Vexillum* (*Pusia*) [as sp. n.]

Cernohorsky, 1973: 138, figs. 13-16.

1 paratype: DMNH 197620; Cape Riche, ca. 90 mi east of Albany, Western Australia. Coll. M. P. Marrow, 26 December 1971; ex H. Eker. Dimensions (H x W): 10.3 x 4.2 mm (worn). Remarks: Lot listed (not as type) on the Cernohorsky index card at DMNH. The original description listed ten specimens from Cape Riche from the collection of M. Marrow, including one measured as 10.8 x 4.7 x 5.9 mm, which could be this one.

2 paratypes: DMNH 197624; Augusta, southwestern Australia. Ex Auckland Institute & Museum via H. Eker. Dimensions (H x W): (1) 15.6 x 6.0 mm, (2) 16.0 x 6.2 mm. Remarks: Lot listed (not as type) from Sarge Bay (= type locality) on the Cernohorsky index card at DMNH. The original AIM label indicates three paratypes, but only two are in this lot.

Remarks: The original description mentioned paratypes in the Eker collection, the source of these two lots.

Costellariidae [originally Vexillidae].

hilli, *Anachis* (*Glyptanachis*) [as n. sp.]

Pilsbry & Lowe, 1932: 73, pl. 5, fig. 6.

2 paratypes: DMNH 024377; Mazatlan, Mexico. Coll. H. N. Lowe; ex ANSP 154677 (*vidi*). Dimensions (H x W): (1) 8.2 x 4.0 mm, (2) 7.2 x 3.4 mm.

Remarks: The original description mentioned "paratypes in Lowe collection." The ANSP source lot (originally ten specimens, now eight) was donated by H. N. Lowe and is presently considered paratypic in that collection.

Columbellidae.

inspinata, *Melongena corona* [as n. var.]

Richards, 1933: 57, pl. 6, fig. 1.

Holotype (figured): DMNH 195252; Gulf of Mexico, Florida. Coll. J. R. Holmes; ex Mystic Museum. Dimensions (H x W): 93.2 x 62.8 mm [published as 10.1 x 6.2 cm].

Remarks: Although this specimen does not exactly match the published dimensions, it very closely approximates the original figure, including several visible growth flaws. DMNH records do not reflect the original location of the material ["collection of Mrs. E. R. Edgerly, of Trenton, N. J."].

Melongenidae [none specified originally]

jacksoni, *Incidostoma* [as n. sp.]

Morrison, 1955: 158, figs. 13-15.

16 paratypes: DMNH 135090; Mera, Oriente, Ecuador. Ex R. W. Jackson (#6384). Dimensions (range): H = 11.6-16.1 mm, W = 18.2-24.9 mm.

2 paratypes: DMNH 146761; Mera, Oriente, Ecuador. Ex R. W. Jackson (#6384) via M. L. Walton (#8952). Dimensions (H x W): (1) 15.4 x 25.7 mm, (2) 13.0 x 22.9 mm.

Remarks: The original description noted "numerous paratypes comprising the remainder of this lot are in Mr. Jackson's collection." The Jackson collection catalog indicates "det. Dr. Morrison."

Poteriidae [originally Cyclophoridae: Neocyclotinae]. Curated in the DMNH collection in the genus *Cyrtotoma*.

jacksoni, *Scissurella* [as n. sp.]

Melville, 1904: 160-161, pl. 10, fig. 5.

1 syntype: DMNH 023171; Gulf of Oman, Arabia. Coll. F. W. Townsend, "1935"; ex ANSP 164838 (*vidi*). Dimensions (H x W): 1.4 x 1.5 mm.

Remarks: No repository was designated in the original publication. The source lot, ANSP 164838, was listed as a syntypic lot by Robertson, *et al.* (1981) and by Trew (1987); the DMNH lot was not acknowledged by Trew (1987). The date 1935 associated with this lot is that of acquisition/purchase [by ANSP], not the year collected.

Scissurellidae [none specified originally].

jaumei, *Chondrothyrium violaceum* [as nueva subespecie]

Alcalde y Ledón, 1943: 14-16, pl. 1, fig. 2.

4 paratypes: DMNH 135092; La Travesada, Rio Chiquito, Cienfuegos, Las Villas, Cuba. Ex R. W. Jackson. Dimensions (range): H = 18.3-21.3 mm, W = 13.5-15.1 mm.

Remarks: The original description mentioned paratypes "en la colección del autor, y en las de M. L. Jaume y Dr. L. Sánchez de Fuentes." Each DMNH specimen has "1381" written on the shell; two original [non-DMNH] labels have "6614" inscribed. The DMNH specimens do not match the dimensions of any of the 12 specimens cited in the original description. The Jackson collection catalog in the DMNH archives indicates Alcalde as the source for no. 6614.

Annulariidae [none specified originally].

jaumei, *Eutrochatella* (*Troschelviana*) [as spec. nov.]

Aguayo & Jaume ["Torre (in sched)"], 1957: 120-121, pl. 1, fig. 8.

4 paratypes: DMNH 161859; "La Esperanza," San Andres, Consolacion del Norte, Pinar del Rio, Cuba. Leg. M. L. Jaume (Jackson catalog), ex R. W. Jackson (#4198). Dimensions (H x W): (1) 7.4 x 5.4 mm (flaring outer lip), (2) 7.1 x 5.1 mm (flaring outer lip), (3) 6.8 x 4.8 mm, (4) 5.9 x 4.4 mm.

Remarks: The original description mentioned paratypes in the collection of M. L. Jaume. Specimens received in the Jaume Collection (e. g., ANSP 167331), were considered paratypic by Robertson, *et al.* (1986). All four specimens are with opercula.

Helicinidae. Curated as a junior synonym of *Troschelviana* (*Troschelviana*) *chrysochasma* Poey, 1853, in the DMNH collection.

jenniernestae, *Distorsio* (*Distorsio*) [as sp. nov.]

Emerson & Piech, 1992: 111-114, figs. 5-8, 16-18, 24.

2 paratypes: DMNH 189600; dredged between Cébaco and Coiba Islands, Pacific Panama, 240 ft. Coll. Ernest, 1990; ex B. J. Piech. Dimensions (H x W): 58.5 x 36.3 mm (cleaned), (2) 55.3 x 35.2 mm (with periostracum).

Remarks: Both specimens are with opercula.

Personidae.

lopesi, *Mitra* (*Cancilla*) [as sp. n.]

Matthews & Coelho, 1969: 3-6, figs. 1-3.

3 paratypes: DMNH 197614; 16 fms, *ex pisces* [from digestive tract of toadfish, *Amphichthys cryptocentrus* (Cuvier & Valenciennes, 1837)], off Mucuripe, Fortaleza, Ceará, Brazil. Coll. by fishermen, April 1968; ex H. R. Matthews via W. O. Cernohorsky via H. Eker. Dimensions (H x W): (1) 22.6 x 8.9 mm (worn, apex broken, hole in ventral body whorl), (2) 19.4 x 7.5 mm (worn, apex broken), (3) 17.7 x 7.1 mm (fresh specimen, broken outer lip, hole in spire).

Remarks: Four specimens listed as *ex pisces* from this locality (collected in 1969, not 1968) were cited in the original description from other depositories [Instituto Oswaldo Cruz (IOC), Rio de Janeiro; Laboratório de Ciências do Mar da Universidade Federal do Ceará (LABOMAR), Fortaleza; Museu Nacional (MN), Rio de Janeiro; and Museu Oceanográfico de Rio Grande (MORG), Rio Grande do Sul]. Although the original description therefore did not specifically allow for the DMNH specimens, they are listed as paratypes in the Cernohorsky collection on Cernohorsky's index

card in DMNH, therefore they are retained here as possible type material.

Mitridae. This is a junior synonym of *Ziba candida* (Reeve, 1845) according to Cernohorsky (1991).

***louisianae*, *Vioscalba* [as new species and type species of new genus]**

Morrison, 1965: 217, 219-220, figs. 1-2.

23 paratypes: DMNH 108365; off Frenier Beach, Lake Ponchartrain, Louisiana. Coll. 05 November 1959, J. P. E. Morrison; ex USNM 635629 (with label indicating DMNH donation, *vidi*). Dimensions (range): H = 2.7-3.4 mm, W = 1.7-2.1 mm.

Remarks: The original description mentioned "more than twenty-five additional paratype lots" in USNM.

Hydrobiidae. Curated as a junior synonym of *Probythinella protera* (Pilsbry, 1953) in the USNM collection.

***mactanensis*, *Murexiella* [as n. sp.]**

Emerson & D'Attilio, 1979: 7, figs. 7-8.

1 paratype: DMNH 201172; 100+ fms, Panglao, Bohol Island, Philippines. Coll. 1977-1978 [published as 1977]; ex A. Deynzer via E. Wright (#M939, "19.5 mm, w/o [with operculum], \$35.00"). Dimensions (H x W): 19.7 x 12.7 mm.

Remarks: Deynzer's collection label is present.

Muricidae [originally Muricidae: Muricopsinae].

***marrowi*, *Vexillum* (*Pusia*) [as sp. n.]**

Cernohorsky, 1973: 140-142, figs. 19-23.

2 paratypes: DMNH 197626; Margaret River, southwestern Australia. Ex Auckland Institute & Museum via H. Eker. Dimensions (H x W): (1) 10.0 x 5.7 mm, (2) 9.4 x 4.7 mm. Remarks: The original AIM label indicates four paratypes, but only two are found in this lot. Lot listed (not as type, from south of Cape Naturaliste) on the Cernohorsky index card at DMNH.

1 paratype: DMNH 197627; Rottnest Island, Western Australia, Australia. Coll. Kendrick, 1969; ex W. O. Cernohorsky via H. Eker. Dimensions (H x W): 11.1 x 6.2 mm. Remarks: Listed (not as type, from Lady Adeline Bay) on the Cernohorsky index card at DMNH.

1 paratype: DMNH 197628; North Beach, Perth, Western Australia. Coll. Rossell, 1950; ex W. O. Cernohorsky via H. Eker. Dimensions (H x W): 11.1 x 6.2 mm (apex and outer lip broken). Remarks: Listed (not as type) on the Cernohorsky index card at

DMNH.

- 1 paratype: DMNH 197629; South Cottesloe Beach, Western Australia. Coll. T. Whitehead, November 1966; ex W. O. Cernohorsky via H. Eker. Dimensions (H x W): 11.7 x 5.7 mm (outer lip chipped). Remarks: Listed (not as type) on the Cernohorsky index card at DMNH.

Remarks: The original description mentioned paratypes in the Eker collection, the source of all four of these lots. Margaret River was listed as the locality of four specimens "in H. Eker coll.," presumably including the two in DMNH 197626. Lady Adeline Bay - Rottnest Island, North Beach - Perth, and South Cottesloe Beach - Perth were each listed as including "1 spec. in author's coll." = DMNH 197627, 197628 and 197629, respectively.

Costellariidae [originally Vexillidae].

martinorum, *Vexillum* (*Costellaria*) [as sp. n.]

Cernohorsky, 1986: 50-52, figs. 15-20.

- 1 paratype: DMNH 197611; 183-207 m, off Coamen Island, west Bohol reef, Philippines. Coll. R. Martin, 1986; ex H. Eker. Dimensions (H x W): 19.6 x 6.7 mm.

Remarks: The original description mentioned paratypes in the Martin collection.

Costellariidae.

mawsoni, *Parmaphorella* [as n. sp.]

Powell, 1958: 180-181, text-figs. 1-3, pl. 3, fig. 9.

- 1 paratype: DMNH 023360; off Enderby Land, Antarctica. Coll. A. W. B. Powell; ex ANSP 226808 (BANZARE sta. 41, 193 m, *vidi*). Dimensions (H x W): 21.0 x 11.3 mm; depth = 5.1 mm.

Remarks: The original description indicated type material only in the South Australian Museum (Adelaide), so under strict interpretation, this could not be type material. However, the ANSP source lot was listed by Robertson, *et al.* (1981: 22), as syntypic, and the "catalog shows two specimens received. Only one specimen is now in the collection." Because the original description designated a holotype, remaining type specimens must be considered paratypes, not syntypes.

Fissurellidae. Curated in the DMNH collection in *Tugali* (*Parmaphorella*).

morenoi, *Chondrothyrium* (*Chondrothyrium*) *violaceum* [as n. s. sp.]

Jaume & Sánchez de Fuentes, 1943d: 50-51, pl. 8.

- 2 paratypes: DMNH 135187; loma #3 del Marañón, Gavián, Cienfuegos, Las Villas, Cuba. Ex O. Alcalde (Jackson catalog) via R. W. Jackson (#6619). Dimensions (H x W): (1) 16.9 x 11.5 mm, (2) 14.2 x 10.0 mm.

Remarks: The original description mentioned paratypes in private collections, *i. e.*, "en las colecciones de los autores y en la del Sr. Oscar Alcalde Ledón." The Jackson collection catalog indicates Alcalde as the source of these specimens. Both specimens have "1414" written on them.

Annulariidae [none specified originally].

nanus, *Strombus raninus* [as new subspecies]

Bales, 1942: 19, pl. 4, figs. a-b.

- 2 paratypes: DMNH 201259; southern end of Lake Worth, Palm Beach County, Florida. Ex R. T. Abbott (#1544 on label that states "rec'd from R. T. Abbott"). Dimensions (H x W): (1) 49.9 x 33.4 mm ("1544" written on thin but fully developed outer lip); (2) 37.8 x 26.7 ("1082" written on thickened outer lip).

Remarks: The original description indicated [holo]type and paratypes in ANSP, MCZ, and private collections of Bales, McGinty, and Koto. The origin of this material, other than R. T. Abbott, is unrecorded. Another paratypic lot, DMNH 001490, was described in Part I (Bieler & Bradford, 1991: 23-24). These specimens are listed here as possible paratypes.

Strombidae [none specified originally].

nodospiculum, *Vexillum* (*Costellaria*) [as new species]

Cernohorsky, 1970a: 101-102, figs. 6, 7, 11.

- 1 paratype ("No. 47"): DMNH 197618; U. S. Bureau of Fisheries Sta. 5592, 305 fms, green mud, 43.3°F, off Silungan Island, Borneo, Indonesia. Ex H. Eker. Dimensions (H x W): 6.0 x 2.1 mm (with intact, but somewhat encrusted, protoconch).

- 1 paratype ("No. 13"): DMNH 197622; U. S. Bureau of Fisheries Sta. 5394, 153 fms, green mud, off Pt. Dumurug, Masbate, Philippines. Ex H. Eker. Dimensions (H x W): 5.4 x 2.2 mm (with intact protoconch).

Remarks: At the time of publication, both paratypes were "in the author's collection, Auckland Institute & Museum"; Cernohorsky's numbered collection labels are with both lots. No paratypes are listed on the Cernohorsky index card for this species at DMNH.

Costellariidae [originally Mitridae].

orri, *Muricopsis* [as sp. n.]

Cernohorsky, 1976: 116-119, figs. 12-20.

2 paratypes (including figured): DMNH 201174; dredged, 30 fms, south of the Andaman Islands, Indian Ocean. Coll. January 1974; ex Auckland Institute & Museum/W. O. Cernohorsky via E. Wright (#M783). Dimensions (H x W, including spines): (1) 32.3 x 22.1 mm, (2) 28.8 x 22.6 mm (with operculum in place, figured).

Remarks: These specimens were mentioned in the original description from the Wright collection. The measured dimensions differ slightly from those listed for Wright paratypes 1-3 in Cernohorsky's text: 32.5 x 20.0, 29.1 x 22.0, and 29.0 x 20.2 mm. These specimens are apparently paratypes 1 and 3; Cernohorsky's figs. 14-15 are of paratype 3 = DMNH paratype (2). According to Wright's collection catalog, four specimens were originally purchased from Vic Wee for \$5.00 each as *Muricopsis infans* (E. A. Smith, 1884) (as 26, 26, 27 [circled], and 30 mm). The entry also indicates "2 w/o [with operculum], trawled in 30 fms, one specimen kept as holotype, others paratypes; 1 paratype sent to John Orr, 12/21/76."

Muricidae. Now in the genus *Attiliosa* according to Houart (1994).

petiti, *Fenimorea* [as new species]

Tippett, 1995: 133, figs. 17, 33.

1 paratype: DMNH 202363; dredged, 30 fms, Gulf of Mexico west of Crystal River, Florida. Coll. Jim Moore, May 1963; ex D. Tippett. Dimensions (H x W): 14.7 x 5.1 mm.

Turridae.

rhecta, *Meganipha* [as new species]

F. G. Thompson, 1978: 43-48, figs. 1-4.

3 paratypes: DMNH 111264; 700 m, Loma del Puerto, Yaroa, Puerto Plato Province, Dominican Republic, Hispaniola. Coll. F. G. Thompson & B. E. Johnson (#2659), 12 January 1976; ex FLMNH (= UF) 22747. Dimensions (H x W): (1) 10.3 x 8.0 mm (with operculum), (2) 9.9 x 9.1 mm, (3) 2.1 x 2.5 mm (juvenile).

Remarks: The source lot, UF 22747, originally contained 114 paratypes, according to the original description.

Annulariidae [originally Annulariidae: Annulariinae].

salisburyi, *Vexillum* (*Pusia*) [as sp. n.]

Cernohorsky, 1976: 114-116, figs. 6-9, 11.

1 paratype: DMNH 155900; Pupukea Beach, Oahu, Hawaii. Coll. R. Salisbury, April 1976; ex C. Kauffman. Dimensions (H x W): 3.8 x 1.9 mm (protoconch missing, outer lip badly broken).

2 paratypes (#47): DMNH 197619; in beach sand, Pupukea, Hawaiian Islands. Coll. R. Salisbury, 1975; ex Auckland Institute & Museum via H. Eker. Dimensions (H x W): (1) 4.3 x 2.0 mm (very pale pink, outer lip broken), (2) 4.0 x 2.0 mm.

Remarks: Paratypic lot DMNH 112102 was described in Part I (Bieler & Bradford, 1991: 27); these are the paratypes mentioned (without number) in the original description as in DMNH. The two lots above were mentioned in the original description from the collections of Eker and Salisbury.

Costellariidae. Considered a junior synonym of *Vexillum* (*Pusia*) *capricornea* (Hedley, 1907) by Kay (1979).

scheneri*, *Helicina [as n. sp.]

F. Baker, 1913: 625-626, pl. 21, figs. 1-2.

4 paratypes: DMNH 135243; Ceará-Mirim, Brazil. Leg. F. Baker; ex R. W. Jackson (#2400). Dimensions (H x W): (1) 4.4 x 5.3 mm (with operculum), (2) 4.4 x 5.1 mm, (3) 3.6 x 4.5 mm (with operculum), (4) 2.6 x 3.6 mm (thin outer lip).

Remarks: The original description mentioned [holo]types of all new species in ANSP, and that "cotypes of many will be" deposited in the Leland Stanford Jr. University (Palo Alto, CA) and the Museu Goeldi (Para, Brazil). This allows for additional type material retained by Baker, thus these are here considered possible paratypes (Baker's original "cotypes" can be considered paratypes because he formally designated [holo]types). The [holo]type lot was given as ANSP 109341a by Baker (1964).

Helicinidae.

serranum*, *Farcimen* (*Farcimen*) *auriculatum [as n. subsp.]

Alcalde y Ledón, 1945: 14, pl. 1, fig. 6.

Holo(?)type: DMNH 135223; Aguada de La Piedra, La Sierra, Cienfuegos, Las Villas, Cuba. Ex O. Alcalde via R. W. Jackson (#6562). Dimensions (H x W): 26.4 x 13.2 mm.

Remarks: The original description mentioned only one type specimen, which would thus be the holotype, in the collection of the author (no. 3467) and of dimensions close to those of this specimen (27 x 13 mm). The DMNH specimen was listed as a "paratype" in the Jackson collection catalog. This could therefore be the holotype.

Megalomastomidae [originally Cyclophoridae: Megalomastominae].

sphoni, *Mitra* (*Strigatella*) [as spec. nov.]

Shasky & Campbell, 1964: 118-119, pl. 22, figs. 13-14.

1 paratype: DMNH 197625; 30-40 ft, under rocks, between Punta Colorada and Punta Lobos, Guaymas, Sonora, Mexico. Coll. D. R. Shasky, 1964; ex W. O. Cernohorsky via H. Eker. Dimensions (H x W): 16.9 x 6.0 mm.

Remarks: This specimen is listed here as a possible paratype. The original description mentioned two paratypes, one each in the B. Campbell and D. Shasky collections; we suspect the latter is this specimen. The Cernohorsky index card in the DMNH collection does not list this specimen.

Costellariidae [originally Mitridae]. Curated in the DMNH collection as a junior synonym of *Vexillum crenata* (Broderip, 1836).

sprucecreekensis, *Melongena* [as new species]

Tucker, 1994: 197-202, figs. 6A-C.

10 paratypes: DMNH 155535; Spruce Creek, 4 miles north of New Smyrna Beach, Florida. Coll. J. K. Tucker, 07 June 1983 [other labels give 9-1983 and 6/17/83]. Dimensions (range): H = 89-169 mm, W = 46-90 mm.

Remarks: Formerly DMNH 161854. All specimens are with opercula. Melongenidae.

superbum, *Chondropoma* [no status specified in original description]

Henderson & Simpson, 1902: 88-89, 1 text-fig.

4 syntypes: DMNH 043596; Thomazeau, Haiti. Coll. Henderson & Simpson; ex USNM. Dimensions (range): H = 22.1-24.6 mm, W = 12.2-13.4 mm.

Remarks: No type material was specifically cited in the original description. These specimens are from the type locality and are within the size range given. The source of this lot (USNM) is that expected for type specimens of both J. B. Henderson and C. T. Simpson, by virtue of their simultaneous association with USNM (Abbott, *et al.*, 1973). In spite of the lack of more concrete evidence, these specimens are listed here as possible syntypes.

Annulariidae [none specified originally].

tagbilleranus, *Geophorus* (*Diplopinax*) [as n. sp.]

Bartsch, 1918: 655-656.

6 syntypes: DMNH 043615; Tagbileran, Bohol Island, Philippines. Ex USNM 258760. Dimensions (range): H = 6.2-7.0 mm, W = 9.8-

11.3 mm.

Remarks: Although the original description discussed the dimensions of the "type," obviously referring to a single specimen, the original label in this lot indicates that it was split from the cited type lot.

The type lot was listed by Ruhoff (1973) as USNM 258760.

Helicinidae [originally Helicinidae: Helicininae].

toroensis*, *Rissoa [as new species]

Olsson & McGinty, 1958: 26, pl. 4, fig. 5.

5 paratypes: DMNH 023673; Bocas Island, northeastern Panama. Coll.

Olsson and McGinty; ex ANSP 211886 (*vidi*). Dimensions (range): H = 1.3-2.1 mm, W = 1.0-1.2 mm.

Remarks: The ANSP source lot was cited as paratypic by the original description; it is curated in ANSP in the genus *Odostomia*, and contains *ca.* ten specimens.

Rissoidae.

***torrei*, *Chondrothyrium* (*Plicathyrium*)** [as nueva especie]

Jaume & Sánchez de Fuentes, 1943c: 25-27, pl. 4, fig. 2.

1 paratype: DMNH 124280; Loma Ventana, San Blas, Cienfuegos, Las Villas, Cuba. Ex O. Alcalde via R. W. Jackson [#6621, as *C. (P.) torrei torrei*]. Dimensions (H x W): 13.9 x 14.0 mm.

Remarks: "1460" is written on the shell. The original description mentioned paratypes in the collections of the authors and O. Alcalde.

Annulariidae [none specified originally].

vicdani*, *Scabricola [as sp. n.]

Cernohorsky, 1981: 193-195, figs. 1-3.

1 paratype: DMNH 197606; trawled by fishermen, Punta Engaño, Mactan Island, Cebu, Philippines. Coll. May 1981; ex H. Eker. Dimensions (H x W): 36.1 x 13.9 mm (anterior end of outer lip broken).

Remarks: The original description did not specifically allow for type material of this species in the Eker collection, and Cernohorsky (1991) did not list Eker among the repositories of type material. However, the Cernohorsky index card at DMNH indicates paratype #4 as in the H. Eker collection, from the type locality, and measuring 37 mm; paratype #4 was deposited in the Auckland Institute and Museum, according to the original description. Because of this evidence plus the fact that Eker received several other of her type specimens discussed here from the AIM, we

believe that this specimen is paratype #4.
Mitridae.

wolfei, *Drillia* [as new species]

Tippett, 1995: 127, 129, figs. 1, 28, 31.

1 paratype: DMNH 202362; 20 fms, 15 km east of Cape Lookout, North Carolina, from the Elmer Dewey Willis scallop plant, Williston, North Carolina. Coll. Dr. Douglas Wolfe, March-May 1971; ex D. Tippett. Dimensions (H x W): 14.9 x 5.2 mm.

Turridae.

wolfei, *Vexillum* (*Costellaria*) [as new species]

Cernohorsky, 1978: 63-64, figs. 4-5.

1 paratype: DMNH 197623; 60-70 fms, Pokai Bay, Oahu, Hawaiian Islands. Coll. R. Salisbury, 1975; ex Auckland Institute & Museum via H. Eker. Dimensions (H x W): 5.0 x 2.2 mm.

Remarks: Paratypic lot DMNH 112103 was described in Part I (Bieler & Bradford, 1991: 31). The original description mentioned paratypes in "AIM and other institutions and collections."

Costellariidae.

yoshidai, *Katayama nosophora* [as new subspecies]

Bartsch, 1925: 72; 1936: 23-24, pl. 1, fig. 1, pl. 2, fig. 9, pl. 4, fig. 2.

6 paratypes: DMNH 043606; Kurume, Kyushu [published as Kiushiu] Island, Japan. Coll. S. Yoshida, February 1919; ex USNM. Dimensions (range): H = 4.7-6.6 mm, W = 2.2-2.6 mm (3 specimens, immature lip), 2.5-3.0 mm (3 specimens, mature lip).

Remarks: These specimens are listed here as possible paratypes. The original description cited the [holo]type (USNM 362024) plus "several hundred additional specimens from the type locality" (USNM 340953, subsequently called paratypes; Bartsch, 1936: 23). Although the USNM number is not recorded in the DMNH lot, the USNM label indicates "paratypes" and it is not inconceivable that these specimens were originally part of USNM 340953. The USNM label indicates "= *Oncomelania nosophora* Robson."

Pomatiopsidae [none listed originally]. Curated in the genus *Oncomelania* in the DMNH collections.

HETEROSTROPHA

weberi, *Odostomia* [as new species]

Morrison, 1965: 221, fig. 3.

2 paratypes: DMNH 108364; north of Bayou Chene Fleur, northern part of Barataria Bay, Louisiana. Coll. J. P. E. Morrison; ex USNM 635639 (with label noting DMNH donation, *vidi*). Dimensions (H x W): (1) 1.3 x 0.7 mm (fresher shell), (2) 1.2 x 0.7 mm (very worn).

Pyramidellidae.

OPISTHOBRANCHIA

(ADDITIONS TO PART I; BIELER & BRADFORD, 1991)

carolynae, *Platydoris* [as n. sp.]

Mulliner & Sphon, 1974: 209-212, figs. 2-5.

1 paratype (in alcohol): DMNH 064524; SA-3, Long Beach, northern Santa Cruz Island, Galapagos Islands, Ecuador. Leg. S. Andrews, 21 December 1972; ex S. Andrews. Dimensions (L x W, preserved): 56 x 33 mm.

Remarks: The measurements of this specimen are larger than the largest size given in the original description. The length of the highly curled slug was crudely measured as the length of a string laid upon the specimen from anterior to posterior.

Platydorididae [originally Dorididae].

BIVALVIA

acapulcensis, *Leda* (*Saccula*) [as new species]

Pilsbry & Lowe, 1932: 107, pl. 17, figs. 1-2.

1 paratype: DMNH 020361; 20 fms, Acapulco, Guerrero, Mexico. Coll. H. N. Lowe, 1930; ex ANSP 155634 (*vidi*). Dimensions (L x H): 9.6 x 5.1 mm.

Remarks: The original figures (one inside view, one outside view) were labelled "type" by Pilsbry & Lowe, constituting a holotype designation. The DMNH specimen (split from the ANSP "type" lot), therefore, can be considered a paratype.

Nuculanidae [originally Ledidae]. Curated as *Nuculana* in the DMNH collection.

angasi, *Corbicula* [as nouvelle espèce]

Prime, 1864: 151-152, pl. 7, fig. 6.

1 paralectotype: DMNH 020859; Murray River, South Australia. Ex ANSP 123556 (Charles M. Wheatley Collection, deposited by University of Pennsylvania, *vidi*). Dimensions (L x H): 10.3 x 7.9 mm.

Remarks: The original description did not cite a depository. The DMNH and ANSP source lot were cited by Counts (1991: 8) as "paratypes," although a lectotype has been designated (MCZ 176917; Johnson, 1959). This therefore is a paralectotype. The ANSP source lot is now incorrectly labelled as "lectotype," with four original specimens recataloged as "paralectotypes" (ANSP 358422).

Corbiculidae [none specified originally].

awajiensis, *Corbicula* [as n. sp.]

Pilsbry, 1901b: 407; 1907: 159, pl. 7, figs. 13-14.

1 syntype: DMNH 020846; Noda, Awaji Island, Japan. Coll. Y. Hirase, 1901; ex ANSP 89378 (*vidi*). Dimensions (L x H): 15.0 x 11.3 mm.

Remarks: No repository, catalog number, or original number of specimens was provided in the original description, however, the data match the stated type locality and source/collector. Both the DMNH and ANSP source lots were cited as syntypic by Counts (1991: 9). ANSP 89378 is now the labelled "holotype" lot in ANSP, with three specimens recataloged as a "paratype" lot (ANSP 358424); this statement is not a lectotype designation.

Corbiculidae [originally Cyrenidae].

brunnea, *Tindaria* [as n. sp.]

Dall, 1916: 401.

1 syntype: DMNH 020368; ALBATROSS Sta. 3604, between St. Paul and Unnak Islands, Bering Sea, off Alaska. Ex USNM via ANSP 190943 (*vidi*). Dimensions (L x H): 7.35 x 5.8 mm.

4 syntypes: DMNH 043603; ALBATROSS Sta. 3604, midway between St. Paul and Unnak Islands, Bering Sea, Alaska. Ex USNM. Dimensions (L x H): (1) 7.1 x 5.6 mm, (2) 7.0 x 5.5 mm, (3) 6.9 x 5.2 mm, (4) 5.5 x 4.1 mm.

Remarks: These specimens are listed here as possible syntypes. The

original description specified USNM 226333, of length 7.5, height 6, diameter 4 mm (which could have been an average), but without specifying number of specimens. USNM 226333 was also given as the sole type lot by Boss, *et al.* (1968). USNM 226333, ANSP 190943, and both DMNH lots are from the same ALBATROSS station, no. 3604.

Tindariidae [none specified originally].

bryanae, *Congerina* [as n. sp.]

Pilsbry, 1921: 323.

4 syntypes (single unmatched valves): DMNH 020569; Mokuauia Island, Hawaii. Coll. C. M. Cooke; ex ANSP 144011 (*vidi*). Dimensions (range): L = 6.9-8.3 mm, H = 3.8-5.0 mm.

Remarks: These specimens are listed here as possible syntypes. No type specimens were specifically cited in the original description, however, Pilsbry's types were generally deposited in ANSP; the source ANSP lot is labelled as type material in the ANSP collection.

Mytilidae [none specified originally]. Now placed in the genus *Septifer* (Kay, 1979).

calcicola, *Nucula* [as new species]

Moore, 1977: 120-122, figs. 1-3.

7 paratypes (6 intact + 1 single unmatched valve, in paleoslide): DMNH 120581; 2 m, Chancanab Lagoon, Cozumel, Mexico. Coll. D. R. Moore, 29 November 1971; ex D. R. Moore. Dimensions (range): L = 0.6-1.4 mm, H = 0.4-1.0 mm.

Nuculidae.

congo, *Iphigenia* [as new species]

Pilsbry & Bequaert, 1927: 373-374, text-figs. 83a-c.

2 paratypes: DMNH 021548; Malela, Belgian Congo [now Zaire], Africa. Coll. J. Bequaert; ex ANSP 133884. Dimensions (L x H): 21.5 x 14.2 mm.

Remarks: These specimens are listed here as possible paratypes. The original description gave dimensions of the "type" (27.2 x 18.0 mm), one "paratype" (24.0 x 16.1 mm), and two other specimens (22.0 x 14.3 and 20.3 x 14.0 mm). However, the ANSP source lot (the type lot?) contains many more specimens; it has now been split into holotype (2 valves, ANSP 133884) and paratypes (17 valves, ANSP 399290) (N. Gilmore, in litt., 1997).

Donacidae.

***cranmerorum*, *Somalipecten* [as new species]**

Waller, 1986: 42-45, figs. 1-13.

1 paratype: DMNH 170849; taken by Taiwanese trawler, off Somalia coast at 150-300 m. Coll. 1985; ex D. Dan. Dimensions (L x H): 67.6 x 62.7 mm.

Pectinidae.

***cynthiae*, *Condylonucula* [as new species]**

Moore, 1977: 123-124, figs. 6-7.

2 paratypes (1 intact + 1 single unmatched valve, in paleoslide): DMNH 120580; 1.5 m, behind outer reef, Courtown Cays, western Caribbean. Coll. D. R. Moore, 12 May 1966; ex D. R. Moore. Dimensions (L x H): (1) 0.6 x 0.5 mm (single unmatched valve), (2) 0.5 x 0.5 mm (intact).

Remarks: The original description listed these specimens as one 570 μ m long, and one left valve 620 μ m long.

Nuculidae.

***diegensis*, *Limopsis* [as n. sp.]**

Dall, 1908: 395, pl. 15, figs. 13, 15.

3 syntypes (1 intact + 2 single unmatched valves): DMNH 020487; ALBATROSS Sta. 2923, off San Diego, California. Ex USNM 111422 (*fide* ANSP catalog, and A. Kabat, pers. comm., 1996) via ANSP 190954. Dimensions (L x H): (1) 9.1 x 8.4 mm (intact), (2) 8.3 x 7.9 mm (single unmatched valve), (3) 6.9 x 6.3 mm (single unmatched valve).

4 syntypes: DMNH 043614; ALBATROSS Sta. 2923, 822 fms, mud, 39°F, off San Diego, California. Ex USNM. Dimensions (range): L = 8.6-11.6 mm, H = 7.8-11.0 mm.

Remarks: Although the original description (also Boss, *et al.*, 1968) mentioned only lot USNM 122585, A. Kabat called these lots "assuredly valid syntypes" as a result of his research into Dall's ALBATROSS species (A. Kabat, pers. comm., 1996), noting that "Drs. Morrison and Rosewater routinely split off "paratypes" for various other institutions..." Both lots were cited as type material by Kabat (1996). All specimens have thick intact periostracum.

Limopsidae. A synonym of *L. panamensis* Dall, 1902 (E. V. Coan, pers. comm.).

***diegensis*, *Thracia* [as new species]**

Dall, 1915: 443.

1 syntype: DMNH 022250; near Beacon 10, San Diego Bay, San Diego County, California. Coll. Kelsey; ex ANSP 162047 [4 fms, Dr. Fred Baker (Kelsey!), *vidi*]. Dimensions (L x H): 6.5 x 5.1 mm.

Remarks: This specimen is listed here as a possible syntype. The type lot is USNM 73604 (Boss, *et al.*, 1968), with type locality San Diego Bay, 1-5 fms, in sandy mud. The ANSP source lot is marked "part of type lot," although no reference is made to USNM (N. Gilmore, in litt., 1997).

Thraciidae. Now placed in the genus *Asthenothaerus* (E. V. Coan, pers. comm.).

***ecuadoriana*, *Crassinella* [as new species]**

Olsson, 1961: 182-183, pl. 25, figs. 6-6e.

1 paratype: DMNH 020775; Puerto Calle [published as Callo], Ecuador. Coll. A. A. Olsson, 1958; ex ANSP 218934 (see Remarks, *vidi*). Dimensions (L x H): 3.0 x 2.5 mm.

Remarks: ANSP 218934 is the holotypic lot, as stated in the original description; ANSP 218934a (*vidi*) includes four paratypic specimens and is the source of this specimen. Olsson (1961: 4) stated "the holotypes ... have been deposited at the Academy of Natural Sciences in Philadelphia, and where additional material is available, the paratypes of the same species will be placed in other museum collections."

Crassatellidae.

***ensifera*, *Yoldia* [as n. sp.]**

Dall, 1897: 9, pl. 2, fig. 4.

1 syntype: DMNH 020398; ALBATROSS Sta. 3133, Monterey Bay, California. Ex ANSP 190960 (*vidi*). Dimensions (L x H): 20.0 x 9.6 mm.

2 syntypes: DMNH 043602; ALBATROSS Sta. 3133, 37 fms, Monterey Bay, California. Ex USNM. Dimensions (L x H): (1) 20.5 x 9.5 mm, (2) 18.8 x 8.9 mm.

Remarks: These specimens are listed here as possible syntypes, although no specific type locality or depository was published in the original description (or by Boss, *et al.*, 1968). The distributional range was originally given as "Vancouver Island and Puget Sound, southward to Monterey, California, in from 0 to 135 fathoms." ANSP 190960 (the source of DMNH 020398) is considered type material at that institution. Dall's types were generally deposited in USNM (the source of DMNH 043602), and although not listed by Boss, *et al.* (1968), the USNM collection includes six syntypes (USNM

107644). Original dimensions were listed as 35 x 16 mm, substantially larger than the DMNH specimens.

Sareptidae [none specified originally]. This is a synonym of *Y. (Cnesterium) seminuda* Dall, 1871 (E. V. Coan, pers. comm.).

***exoptata*, *Leda* (*Adrana*)** [as new species]

Pilsbry & Lowe, 1932: 107-108, pl. 17, figs. 8-9.

1 paratype: DMNH 020378; 20 fms, Guaymas, west Mexico. Coll. H. N. Lowe, 1930; ex ANSP 155633. Dimensions (L x H): 14.7 x 4.7 mm.

Remarks: Pilsbry & Lowe's fig. 8 was specifically called "type" in the legend, while fig. 9 was labelled "paratype." The ANSP source lot is labelled "type and paratypes" and includes two vials, one with a single specimen (= holotype) and one (not recataloged) containing three valves (= paratypes).

Nuculanidae [originally Ledidae]. Curated as *Nuculana* in the DMNH collection.

gabbi*, *Strigilla [as new species]

Olsson & McGinty, 1958: 50-51, pl. 5, figs. 3, 3a.

1 paratype: DMNH 021741; Atlantic coast of Costa Rica. Coll. W. M. Gabb; ex ANSP 53379 (*vidi*). Dimensions (L x H): 35.1 x 31.3 mm.

Remarks: The DMNH specimen has "53379" penned on the inside of one valve. The original description cited ANSP 53379 as paratypic, containing one specimen of 35 x 30.5 mm. ANSP 53379 originally contained two specimens, identified as *S. sincera* Hanley; it now contains two unmatched valves [plus a note indicating that the published exterior view of the holotype was from this lot; this actually belongs with the holotypic lot, ANSP 218881 from Colon, Panama (N. Gilmore, in litt., 1997)]. The DMNH lot is a confirmed matched pair.

Tellinidae.

gerrardi*, *Transenella [as new species]

Abbott, 1958: 130-131, text-fig. 7, pl. 4a-c.

2 paratypes: DMNH 021194; 8 fms, 3/4 mi southwest of Low Point, Grand Cayman Island. Coll. A. J. Ostheimer; ex ANSP 199509 (Sta. D13-14, *vidi*). Dimensions (L x H): (1) 9.4 x 7.3 mm, (2) 8.3 x 6.6 mm.

Remarks: Both live-collected with dried soft parts inside shells.

Veneridae [originally Veneridae: Meretricinae].

***hawaiensis*, *Solecardia* [as n. sp.]**

Pilsbry, 1921: 324-325, text-figs. 6a-c.

1 syntype: DMNH 021111; Hilo, Hawaii. Coll. D. Thaanum; ex ANSP 83102 (*vidi*). Dimensions (L x H): 6.2 x 4.3 mm.

Remarks: No type material was specifically mentioned in the original description, however, Pilsbry's types were generally deposited in ANSP. Although the ANSP source lot is labelled "type + paratypes," no [holo]type is segregated and no lectotype designation has been published to our knowledge, therefore all specimens must be considered syntypes.

Kelliidae [none specified originally]. Considered a junior synonym of *Nesobornia bartschi* Chavan, 1969 [nomen novum pro *Erycina* (*Poronia*) *ovata* Gould, 1850, *non* Gray, 1825, *nec* Philippi, 1836; Chavan, 1969: N525] according to Kay (1979).

***impar*, *Leda* [as new species]**

Pilsbry & Lowe, 1932: 106, pl. 17, figs. 3-6.

1 paratype: DMNH 020360; Guaymas, west Mexico. Coll. H. N. Lowe, 1930; ex ANSP 155636 (20 fms, *vidi*). Dimensions (L x H): 11.7 x 5.7 mm.

Remarks: Pilsbry & Lowe's figs. 3-5 (three views) were specifically labelled "type," which constitutes a holotype designation; fig. 6 was simply called "young shell." The ANSP source lot is labelled "type + paratypes" and includes two vials, one with two valves (presumably one specimen, the holotype) and another (not recataloged) containing three specimens plus three valves (= paratypes).

Nuculanidae [originally Ledidae]. Curated as *Nuculana* in the DMNH collection.

***inflatula*, *Macoma* [as n. sp.]**

Dall, 1897: 11-12, pl. 1, figs. 19-20.

4 syntypes (3 single right valves + 2 fragments of a fourth valve): DMNH 043610; Captain's Bay, Unalaska Island, Alaska, 12 fms. Ex USNM. Dimensions (L x H): (1) 15.7 x 12.2 mm, (2) 13.6 x 9.9 mm, (3) 12.8 x 10.0 mm; fragments not measured.

Remarks: The original description (and Boss, *et al.*, 1968) did not specifically mention type material, a type locality, or a depository; Boss, *et al.* (1968: 166) cited only the distributional range "Aleutian Islands to Puget Sound." Dall's types, however, were generally deposited in USNM, the source of this material, and

indeed, that collection was found to include one syntype (USNM 107643, from 5 fms) labelled "figured type." The DMNH specimens are listed here as possible syntypes.

Tellinidae [none specified originally]. In the DMNH collection, this is considered a junior synonym of *Macoma frigida* (Hanley, 1844).

Krebsiana*, *Corbula [no status specified in original description]

C. B. Adams, 1852: 234.

1 paralectotype: DMNH 021941; Jamaica. Coll. C. B. Adams; ex ANSP 297148 (*vidi*). Dimensions (L x H): 4.0 x 3.3 mm.

Remarks: This specimen is listed here as a possible paralectotype. The original description mentioned no type material or depository for the original "about 60 specimens." The ANSP source lot (now with two specimens) bears a red dot (indicating type status) but type designation is absent from labels. Clench & Turner (1950: 400) figured a lectotype (MCZ 155611, *vidi*); another lot in MCZ (155612, *vidi*, labelled "paratypes") contains another 60+ valves, which are thus paralectotypes.

Corbulidae [none specified originally].

lermondi*, *Pisidium [as n. sp.]

Sterki, 1913: 138-139.

22 syntypes ("part of type lot"): DMNH 139931; Duck Pond, Warren, Maine. Coll. V. Sterki, October 1909; ex N. W. Lermond (#3059). Dimensions (range): L = 2.3-3.2 mm, H = 2.2-2.6 mm.

145 syntypes (143 intact + 2 single unmatched valves): DMNH 160045; ditch in Ellis Stahl's field, Warren, Knox County, Maine. Ex N. W. Lermond. Dimensions (range): L = 1.3-2.6 mm, H = 1.0-2.2 mm.

Remarks: Types were mentioned in the original description as "No. 6364, and in the collection of Mr. Lermond." This catalog number probably referred to "the special collection of Sphaeriidae" (Sterki, 1912: 6) [the Sterki Sphaeriidae collection of ca. 15,000 lots is now housed at the Carnegie Museum of Natural History (Pittsburgh) (A. Bogan, in litt., 1997), but *P. lermondi* was not listed in Carnegie's type catalog (Parodiz & Tripp, 1988)]. The type locality ("Hab.") was given as "Duck Pond, Warren, Me.," but the author also stated "at other places in the vicinity of Warren, Me." Because of this ambiguity, DMNH 160045 (labelled cotypes in the Lermond collection) is retained here as possible syntypes. "Cotypes" also were recognized at MCZ (20082, ex N. W. Lermond/V. Sterki; Johnson, 1959).

Sphaeriidae. This species is a junior synonym of *Pisidium nitidum* Jenyns, 1832 (*vide* Herrington, 1962).

maya, *Condylonucula* [as new species]

Moore, 1977: 124-125, figs. 4-5.

4 paratypes (3 intact + 1 as separated valves, in two paleoslides): DMNH 120579; 2 m, Chancanab Lagoon, Cozumel, Mexico. Coll. D. R. Moore, 29 November 1971; ex D. R. Moore. Dimensions (range): L = 0.4-0.5 mm, H = 0.3-0.4 mm.

Remarks: The original description indicated lengths of the four paratypes as 380, 490, 500, and 510 μ m.

Nuculidae.

mediafricana, *Eupera* [as new species]

Pilsbry & Bequaert, 1927: 355-357, text-figs. 79a-f, 80a.

1 paratype: DMNH 021012; Stanleyville, Belgian Congo [now Kisangani, Haut-Zaïre, Zaïre], Africa. Coll. Lang & Chapin, 1915; ex ANSP 133826 (coll. February 1915, donor AMNH 1924, *vidi*). Dimensions (L x H): 4.0 x 2.9 mm.

Remarks: No type material was listed in original description. The ANSP lot is labelled "type and paratypes"; ANSP's source is recorded as AMNH, but the latter contains no type lot of this species (Boyko & Sage, 1996; C. B. Boyko, pers. comm., 1997). According to Boyko (pers. comm., 1997), the ANSP specimens most likely originated in an AMNH expedition, not from the registered AMNH collections themselves.

Sphaeriidae.

micella, *Pleuromeris* [as new species]

Olsson & McGinty, 1958: 45, pl. 5, figs. 7, 7a.

4 paratypes (single unmatched valves, 3 right + 1 left): DMNH 020822; Bocas Island, northeastern Panama. Coll. Olsson and McGinty, 1953; ex ANSP 211907 (*vidi*). Dimensions (L x H): (1) 1.7 x 1.7 mm, (2) 1.6 x 1.5 mm, (3) 1.5 x 1.6 mm, (4) 1.5 x 1.6 mm.

Remarks: The original description cited ANSP 211907 as the holotypic lot and 211908 as the "paratype"; according to the ANSP collection catalog, 211908 originally contained 35 specimens.

Carditidae.

montereyensis, *Yoldia* [as n. s.]

Dall, 1893: 29-30.

2 syntypes (1 intact + 1 single unmatched valve): DMNH 043608;

ALBATROSS Sta. 3202, 382 fms, 41°F, Monterey Bay, California. Ex USNM. Dimensions (L x H): (1) 21.3 x 13.2 mm (intact), (2) 28.2 x 16.3 mm (single unmatched valve).

Remarks: These specimens are from the original lot (ALBATROSS sta. 3202) and are ex USNM, the location of the known type material (USNM 106972; Boss, *et al.*, 1968).

Sareptidae [none specified originally]. Now placed in the subgenus *Megayoldia* (*fide* E. V. Coan, pers. comm.).

mulawana, *Tivela* [as n. sp.]

Biggs, 1969: 205-206, figs. 1-2.

4 paratypes (single unmatched valves, 3 left, 1 right): DMNH 098136; Masirah Island, South Arabia. Ex P. Cambridge. Dimensions (range): L = 28.7-33.8 mm, H = 17.2-21.6 mm.

Remarks: The original description cited paratypes "in collection of Mr. Philip Cambridge."

Veneridae.

nonuramus, *Modiolus* (*Modiolus*) [as n. sp.]

Pilsbry & Olsson, 1935: 16, pl. 1, fig. 3.

1 paratype: DMNH 020572; beach of Nonura Bay, near Punta Aguja, Peru. Coll. A. A. Olsson; ex ANSP 164613 (South Bayovar near Punta Aguja, *vidi*). Dimensions (L x H): 27.4 x 15.0 mm.

Remarks: The original description listed the [holo]type as ANSP 164612 plus "paratypes in the Olsson collection"; the source lot (ANSP 164613) is listed in the ANSP collection catalog as containing 12 paratypes (valves), collected and donated by A. A. Olsson.

Mytilidae. Curated in the DMNH and ANSP collections as a junior synonym of *Semimytilus algosus* (Gould, 1850).

mux, *Egeria* [as new species]

Pilsbry & Bequaert, 1927: 367-368, pl. 29, figs. 4-7.

1 paratype: DMNH 021488; Malela, Congo River, Belgian Congo [now Zaire], Africa. Coll. H. Lang; ex ANSP 133889. Dimensions (L x H): 35.0 x 29.7 mm.

Remarks: The original description listed three specimens, consisting of the type plus two paratypes. The ANSP source lot presently consists of 66 valves labelled as paratypes (N. Gilmore, in litt., 1997), and was listed as paratypic by Boyko & Sage (1996).

Donacidae. Curated in the genus *Galatea* in the DMNH collection.

***omissa*, *Macrocallista* (*Chionella*)** [as new species]

Pilsbry & Lowe, 1932: 102, pl. 17, figs. 13-16.

1 paratype: DMNH 021196; San Juan del Sur, Nicaragua. Coll. H. N. Lowe; ex ANSP 155597 (see Remarks, *vidi*). Dimensions (L x H): 6.1 x 5.1 mm.

Remarks: Pilsbry & Lowe's (1932: pl. 17, figs. 13-16) figure legend considered the specimen in figs. 13-14 as "type" and the remainder "paratypes." The ANSP source lot (ANSP "155590," corrected on the label to 155597, in the ANSP collection catalog as 155596) is labelled "type + 2 paratypes." The collection catalog entry (ANSP 155596) indicates "type + cotypes." The lot now consists of two vials, one with one specimen, and another (as paratypes, not recataloged) containing two valves (one specimen?). The [holo]type has in all these instances been segregated; the remaining (including the DMNH specimen) can be considered paratypes.

Veneridae. Curated as *Transenella* in the DMNH and ANSP collections.

pacis*, *Macoma [as new species]

Pilsbry & Lowe, 1932: 95, pl. 10, figs. 1, 1a, 2-3.

1 paratype: DMNH 021695; La Paz, Baja California Sur, Mexico. Coll. H. N. Lowe, 1930; ex ANSP 152070 (*vidi*). Dimensions (L x H): 33.3 x 20.5 mm.

Remarks: The original description cited the ANSP source lot specifically as paratypes. This specimen corresponds to the "long form" illustrated in pl. 10, fig. 3.

Tellinidae. A junior synonym of *Psammotreta viridotincta* (Carpenter, 1856) according to Keen (1971).

panamensis*, *Cyrenoida [as new species]

Pilsbry & Zetek, 1931: 69, pl. 3, fig. 4.

1 paratype: DMNH 020969; near Punta Paitilla, close to Panama City, Republic of Panama. Coll. J. Zetek; ex ANSP 155419 (*vidi*). Dimensions (L x H): 17.8 x 16.5 mm.

Remarks: The type locality was given merely as "near Panama City." The specimen is dirt-filled.

Cyrenoididae [none specified originally].

patagonicum*, *Pisidium [as sp. nov.]

Pilsbry, 1911: 607-608, pl. 47, figs. 8-10.

5 paratypes (3 intact + 2 single unmatched valves): DMNH 021008; spring on Rio Chico, 25 mi [same on ANSP label; published as 15 mi] above Sierra Oveja, Patagonia, Argentina. Coll. J. B. Hatcher;

ex ANSP 88808. Dimensions (range): L = 5.3-6.8 mm, H = 4.4-5.4 mm.

Remarks: These specimens are listed here as possible paratypes. No specific type lot was cited in the original description, but Pilsbry's types are generally considered to be at ANSP. The "type lot" at ANSP is 88810 (two valves). There are nine other lots with similar data, including ANSP 88807 and 88809 labeled as syntypes and the source lot 88808 (10+ specimens) labeled "co-types" (N. Gilmore, in litt., 1997).

Sphaeriidae. Curated in the DMNH collection in the genus *Sphaerium* (*Musculium*); curated in the ANSP collection as *Musculium*.

penistoni, *Cytherea* [as new species (in title)]

Heilprin, 1889: 142, pl. 8, fig. 4.

2 syntypes (single unmatched valves): DMNH 021176; Bermuda. Coll. A. Heilprin; ex ANSP 69644 (*vidi*). Dimensions (L x H): (1) 14.3 x 11.7 mm, (2) 12.9 x 11.4 mm.

Remarks: No type material or depository was designated in the original description. The ANSP source lot is labelled "types."

Veneridae [none specified originally]. Curated as a junior synonym of *Pitar fulminatus* (Menke, 1828) in the DMNH collection; curated as *Pitar* (*Pitar*) *penistoni* in the ANSP collection.

platyptycha, *Tapes* [as n. sp.]

Pilsbry, 1901a: 206-207; 1901b: 400, pl. 19, fig. 6.

1 syntype: DMNH 021363; Hirado Island, Hizen, Japan. Coll. Y. Hirase, 1901; ex ANSP 81218 ("1196," one segregated pair + two pairs of valves, *vidi*). Dimensions (L x H): 48.2 x 32.2 mm.

Remarks: No repository, catalog number, or original number of specimens was provided in the original description, however, the data match the stated type locality and source/collector. Pilsbry's (1901b) subsequent text cited ANSP 81218 [also Hirase's collection no. 1196].

Veneridae.

pontchartrainensis, *Mulinia* [as new species]

Morrison, 1965: 222-223, figs. 5-9.

6 paratypes: DMNH 108367; Middle Ground, eastern part of Lake Pontchartrain, Louisiana. Coll. J. P. E. Morrison; ex USNM 635644. Dimensions (range): L = 5.4-7.4 mm, H = 3.9-5.1 mm.

Macrtridae.

***redondoensis*, *Aligena* [as sp. nov.]**

T. Burch, 1941: 50-51, pl. 4, figs. 5-7.

1 paratype (right valve broken): DMNH 021105; Redondo Beach, Los Angeles County, California, 75 fms. Coll. T. and J. Q. Burch, 1938; ex ANSP 178027 (#3833, coll. 7-31-38, *vidi*). Dimensions (L x H): 1.9 x 1.7 mm.

Remarks: The original description mentioned paratypes in several repositories, including ANSP (without number). The source lot is considered paratypic in the ANSP collection.

Thyasiridae [none specified originally]. Now placed in the genus *Axinodon* (Coan & Scott, 1997).

***redondoensis*, *Nuculana* [as new species]**

J. Q. Burch, 1944: 9-10, fig.; 1945: 32 [as *N. penderi redondoensis*].

2 paratypes (single unmatched valves): DMNH 020353; off Redondo Beach, California. Coll. B. R. Bales; ex ANSP 222225 (*vidi*). Dimensions (L x H): (1) 6.0 x 3.5 mm (left valve), (2) 5.1 x 3.1 mm (right valve).

Remarks: These specimens are listed here as possible paratypes. Burch (1945) stated that "a type specimen" had been deposited in the USNM, and that "paratypes will be available for all western museums wishing them." The source lot, ANSP 222225 (ex B. R. Bales Coll. #16501, J. S. Schwengel, donor, 1958), is considered a paratypic lot at that institution.

Nuculanidae. Considered a junior synonym of *Nuculana* (*Saccella*) *hindsii* (Hanley, 1860) according to Keen (1971).

***Reimiana*, *Corbicula* [as n. sp.]**

Clessin in Küster, 1878: 196-197, pl. 39, figs. 8-9.

2 "paratypes" (1 intact + 1 single unmatched valve): DMNH 056392; E-416, [Yokohama according to original description], Japan. Ex E. Doremus. Dimensions (L x H): (1) 19.5 x 16.4 mm (single unmatched valve), (2) 17.2 x 14.7 mm (intact, one valve broken).

Remarks: This lot was cited as paratypic by Counts (1991: 31). Both specimens are smaller than the size range given in the original description (length 27-32 mm, width 24-28 mm).

Corbiculidae [originally Cycladea].

***rhypis*, *Pandora* (*Kennerlia*) [as new species]**

Pilsbry & Lowe, 1932: 105, pl. 16, figs. 8-11.

1 paratype: DMNH 021989; La Union, Gulf of Fonseca, San Salvador, El Salvador. Coll. H. N. Lowe; ex ANSP 155503a (coll. 1931,

vidi). Dimensions (L x H): 18.6 x 16.1 mm.

Remarks: Pilsbry & Lowe's original figures (figs. 8-11) were labelled "type and paratypes." The ANSP source lot is the paratypic portion of the original lot ANSP 155503, the latter number now applied to the segregated holotype.

Pandoridae.

***Rushii*, *Thracia* [as n. sp.]**

Pilsbry, 1897: 292-293, pl. 7, fig. 30.

1 syntype: DMNH 022252; Maldonado Bay, Uruguay. Coll. W. H. Rush; ex ANSP 70502 ("types," *vidi*). Dimensions (L x H): 18.6 x 12.3 mm.

Remarks: The original description gave length and height of three specimens, without type designation or catalog number.

Thraciidae [none specified originally].

***sablensis*, *Aequipecten* (*Plagiectenium*) *irradians* [as ssp. n.]**

A. H. Clarke, 1965: 175-176, pl. 1, figs. 1-6.

1 paratype (1 valve): DMNH 020650; Sable Island, Nova Scotia. Coll. Mrs. F. Andrews Schuk, July 1962; ex ANSP 290900 (ex National Museum of Canada 14153, approx. 43.59° N, 60.00° W, *vidi*). Dimensions (L x H): 41.5 x 40.2 mm.

Remarks: The original description mentioned paratypes in USNM, ANSP, and MCZ (without numbers). The ANSP source lot is considered paratypic in that collection.

Pectinidae [none specified originally]. Curated in the genus *Argopecten* in the ANSP collection.

***sadoensis*, *Corbicula* [as n. sp.]**

Pilsbry, 1901a: 206-207; 1907: 158, pl. 7, figs. 15-16.

1 paralectotype: DMNH 020855; Sado Island, Japan. Coll. Y. Hirase, 1901; ex ANSP 89379 (*vidi*). Dimensions (L x H): 30.7 x 25.5 mm.

Remarks: No repository, catalog number, or original number of specimens was provided for this species in the original description, however, the data match the stated type locality and source/collector. Counts (1991: 32) called ANSP 89379 (the source of the DMNH specimen) the "holotype," resulting in a lectotype designation [this lot presently contains one segregated valve pair (= the lectotype) plus three additional sets (= paralectotypes, although not mentioned by Counts, 1991)]. Counts (1991) called the DMNH specimen a paratype, but it is

actually a paralectotype.
Corbiculidae [originally Cyrenidae].

sororcula, *Transenella* [as new species]

Pilsbry & Lowe, 1932: 102, pl. 9, figs. 12-16.

1 figured paratype: DMNH 021190; San Juan del Sur, Nicaragua. Coll. H. N. Lowe, 1931; ex ANSP 155599 (*vidi*). Dimensions (L x H): 11.3 x 8.3 mm.

Remarks: The legend to Pilsbry & Lowe's figs. 12-16 (as *Macrocallista sororcula* [*sic*]) designated figs. 13 and 13a as "type," and the remaining figured specimens as "paratypes." The source lot in the ANSP collection was originally labelled "type + 9 paratypes"; a single specimen (= holotype) is now segregated under the original number, and the remaining specimens (two intact specimens and 11 valves) have been separated (but not recataloged) as paratypes. The DMNH specimen can be considered a paratype. From the color pattern, this specimen appears to be that illustrated by Pilsbry & Lowe in fig. 12.

Veneridae. Curated as a junior synonym of *T. modesta* (Sowerby, 1835) in the DMNH collection.

Sterkianum, *Pisidium* [as n. sp.]

Pilsbry, 1897: 291-292, pl. 6, figs. 1-4.

2 syntypes: DMNH 020994; creek in "Prado," Montevideo, Uruguay. Coll. W. H. Rush; ex ANSP 70490 ("types," *vidi*). Dimensions (L x H): (1) 4.5 x 3.6 mm, (2) 4.5 x 3.5 mm.

Remarks: "Many specimens were collected," but none were designated specifically as types in the original description. This lot matches the original locality and collector. "Cotypes" from this locality also were recognized at MCZ (78076, ex B. Walker; Johnson, 1959).

Sphaeriidae [none specified originally].

sulfurea, *Pitar* [as n. sp.]

Pilsbry, 1904: 553, pl. 39, figs. 7-9.

1 syntype: DMNH 021167; Fukura, Awaji Island, Hyogo Prefecture, Hyogo, Japan. Coll. Y. Hirase, 1901; ex ANSP 82135 (*vidi*). Dimensions (L x H): 25.8 x 22.8 mm.

Veneridae [none specified originally].

Swiftiana, *Corbula* [no status specified in original description]

C. B. Adams, 1852: 236-237.

1 paralectotype: DMNH 021936; east part of Kingston Harbor,

Kingston, Jamaica. Coll. C. B. Adams; ex Adams Collection via MCZ via ANSP 182627 (3-4 fms, *vidi*). Dimensions (L x H): 7.7 x 5.1 mm.

Remarks: This specimen is listed here as a possible paralectotype. No type material or depository were given in the original description for the original "about 250 specimens"; the ANSP source lot is considered type material in that collection. Clench & Turner (1950: 400) figured a lectotype (MCZ 186103) and a paralectotype (MCZ 155602, as "paratype").

Corbulidae [none specified originally]. Considered a junior synonym of *C. caribaea* Orbigny, 1846.

***thaanumi*, *Cardium* [as n. sp.]**

Pilsbry, 1921: 323-324, pl. 12, fig. 24.

1 paratype: DMNH 020918; off Waikiki, Oahu Id., Hawaii. Coll. D. Thaanum, 1916; ex D. B. Kuhns via ANSP 47179 (35-50 fms, *vidi*). Dimensions (L x H): 9.8 x 9.1 mm.

Remarks: No type material was designated in the original text description, although the legend to the original figure (a photograph) indicates "Type. 47179." This indication constitutes a holotype designation. The ANSP source lot is now labelled "type + paratypes," and the DMNH specimen is from the paratypic portion of this lot.

Cardiidae [none specified originally]. Now placed in the genus *Nemocardium* (Kay, 1979; Moretzsohn & Kay, 1995).

***trogodytes*, *Divariscintilla* [as sp. nov.]**

Mikkelsen & Bieler, 1989: 186-187, figs. 2, 4, 7, 12-15, 27.

3 paratypes (in alcohol): DMNH 175517; Sta. PMM-930, mud flat, < 0.5 m by yabby pump from stomatopod burrow, 1100-1130 hrs, Sebastian Inlet, Brevard County, Florida. Coll. P. M. Mikkelsen, *et al.*, 30 December 1987; ex P. M. Mikkelsen. Dimensions (L x H; preserved mantle): (1) 5.1 x 3.9 mm [published as 4.9 mm], (2) 4.6 x 4.1 mm [published as 4.8 mm], (3) 4.5 x 3.9 mm.

Galeommatidae.

***Uruguayensis*, *Semele* (*Abra* ?) [as n. sp.]**

Pilsbry, 1897: 293, pl. 7, figs. 27-29.

2 syntypes (single left valves): DMNH 021617; Maldonado Bay, Uruguay. Coll. W. H. Rush; ex ANSP 70493 (*vidi*). Dimensions (L x H): (1) 8.6 x 7.0 mm, (2) 7.4 x 6.5 mm.

Remarks: No type material or depository was designated in the original

description although Maldonado Bay (in 3-6 fms) was given as the original locality; original dimensions were listed as 9.5 x 8 mm. The source ANSP lot is not labelled as a type lot but has a red dot on the box indicative of same; it consists of one segregated specimen plus others. In the absence of a formal lectotype designation, all specimens must continue to be considered as syntypes.

Semelidae [none specified originally]. Curated in the DMNH collection in the genus *Abra*.

viola, *Corbicula* [as n. sp.]

Pilsbry, 1907: 158, pl. 7, figs. 7-10.

1 syntype: DMNH 020858; Lake Biwa, Japan. Coll. T. Isakawa, 1905; ex ANSP 89371 (see Remarks, *vidi*). Dimensions (L x H): 24.0 x 21.3 mm.

Remarks: No type specimens were listed specifically in the original description. Both DMNH and ANSP lots were mentioned and called syntypic by Counts (1991: 38). In the ANSP collection, lot 89371 is now labelled as "holotype"; six valves were removed and recataloged as "paratype" lot 358423. This does not here constitute a lectotype designation.

Corbiculidae [none specified originally].

vulgaris, *Leda* [as n. sp.]

Brown & Pilsbry, 1913: 499, fig. 3.

232 syntypes (44 intact + 188 single unmatched valves): DMNH 135065; Pleistocene, Mt. Hope, Panama Canal Zone. Coll. W. B. Scott; ex J. Parker. Dimensions (range): L = 3.8-12.0 mm, H = 2.3-6.2 mm.

Remarks: These specimens are listed here as possible syntypes. No type material or repository was mentioned in the original description.

Nuculanidae [none specified originally]. Curated as *Nuculana* in the DMNH collection.

webbianus, *Unio* (*Elliptio*) [as sp. nov.]

Wright, 1934: 94-95, pl. 10, figs. 1-2.

1 paratype: DMNH 150106; Citrus County, Lake Consuelo, Florida. Ex W. F. Webb via M. L. Walton (#4195). Dimensions (L x H): 42.2 x 27.4 mm.

Unionidae [none specified originally].

yokohamensis, *Raeta* [as n. sp.]

Pilsbry, 1895: 119, pl. 3, figs. 4-5.

1 syntype: DMNH 021479; Yokohama, Kanagawa, Honshu Island, Japan. Coll. F. Stearns, 1895; ex ANSP 70873 (*vidi*). Dimensions (L x H): 16.7 x 12.3 mm.

Remarks: The ANSP source lot is labelled "types" in that collection. Mactridae.

yoyo, *Divariscintilla* [as sp. nov.]

Mikkelsen & Bieler, 1989: 177-186, figs. 1, 3, 5-6, 8-11, 26.

2 paratypes (in alcohol): DMNH 175516; Sta. PMM-924, sand flat, < 0.5 m, by yabby pump from stomatopod burrow, Ft. Pierce Inlet, St. Lucie County, Florida. Coll. P. M. Mikkelsen, *et al.*, 31 August 1987; ex P. M. Mikkelsen. Dimensions (L x H, preserved mantle): (1) 4.8 x 2.5 mm [published as 5.7 mm], (2) 3.7 x 2.8 mm [published as 4.7 mm].

Galeommatidae.

SCAPHOPODA**teliger**, *Cadulus* [as "n. sp." for *Cadulus spretus* Suter non Tate & May]

C. J. Finlay, 1927: 444, figs. 52-54.

1 paratype: DMNH 022370; north of Auckland Islands, New Zealand Subantarctic Islands. Ex A. W. B. Powell via ANSP 232249 (10 mi N of Auckland Island, 86677, 51° S, 168° E, 95 fms, *vidi*). Dimensions (L x W): 4.3 x 0.7 mm.

Remarks: This specimen is listed here as a possible paratype. The original description stated that "types of all new species described are in the Finlay collection; paratypes wherever possible have been deposited in the Australian Museum, Sydney" (Finlay, 1927: 330). This would seem to exclude these specimens from type status, however, the ANSP source lot was listed as paratypic by Spamer & Bogan (1992).

Gadilidae [none specified originally]. This species is curated as the genus *Gadila* in the ANSP collection.

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Ferreira, A. J.

portobelensis, *Callistochiton*, Ischnochitonidae

Finlay, C. J. (see also under Abbott)

teliger, *Cadulus*, Gadilidae

Finlay, H. J.

cuvierensis, *Microvoluta*, Volutomitridae (Part I)

Ford, J.

blanesi, *Olivella*, Olividae (Part I)
gaylordi, *Olivella gracilis*, Olividae (Part I)
gregori, *Cypraea cruenta*, Cypraeidae (Part I)
michaeli, *Ocenebra*, Muricidae (Part I)

Harasewych, M. G.

ecphoroides, *Fulgurofusus* (*Fulgurofusus*), Turbinellidae (Part I)
germonae, *Tractolira*, Volutidae (Part I)
harrisae, *Columbarium*, Turbinellidae (Part I)
timor, *Fulgurofusus* (*Peristarium*), Turbinellidae (Part I)
xenismatis, *Fulgurofusus* (*Histricosceptrum*), Turbinellidae (Part I)

Harasewych, M. G. & R. H. Jensen

guesti, *Natica* (*Natica*), Naticidae (Part I)
guesti, *Pterynotus* (*Pterynotus*), Muricidae (Part I)
lightbourni, *Pterynotus* (*Pterynotus*), Muricidae (Part I)
radwini, *Pterynotus* (*Pterynotus*), Muricidae (Part I)

Hedley, C.

perplicata, *Voluta*, Volutidae (Part I)

Heilprin, A.

penistoni, *Cytherea*, Veneridae

Henderson, J. B., Jr. & C. T. Simpson

superbum, *Chondropoma*, Annulariidae

Hoerle, R. C.

finlayi, *Neritopsis*, Neritopsidae (Part I)

Howard, F. B.

aureola, *Pyrene* = *aureomexicana*, *Pyrene*, Columbelloidea (Part I and this paper)

Hutton, F. W.

corticata, *Acmaea*, Lottiidae (Part I, as Acmaeidae)

Iredale, T.

kellneri, *Aulica*, Volutidae (Part I)

Jaume, M. L. (see under Aguayo)**Jaume, M. L. & O. Alcalde y Ledón**

fuentesii, *Chondropoma* (*Chondropoma*), Annulariidae

Jaume, M. L. & L. Sánchez de Fuentes

alcaldei, *Chondropoma* (*Chondropoma*), Annulariidae

alcaldei, *Chondrothyrium* (*Plicothyrium*), Annulariidae

britoi, *Eutudora limbifera*, Annulariidae

morenoi, *Chondrothyrium* (*Chondrothyrium*) *violaceum*, Annulariidae

torrei, *Chondrothyrium* (*Plicothyrium*), Annulariidae

Jensen, R. H. (see under Harasewych)**Keen, A. M.**

fayae, *Anachis* (?*Costoanachis*), Columbelloidea (Part I)

Klappenbach, M. A.

teaguei, *Olivancillaria*, Olividae (Part I)

Krieger, K. A.

alcoviensis, *Somatogyrus*, Hydrobiidae

Lewis, H. (see also under Abbott)

burgessi, *Distorsio*, Personidae (Part I, as Ranellidae)

habei, *Distorsio constricta*, Personidae (Part I, as Ranellidae)

Little, M. D. (see under Malek)

Lowe, H. N. (see under Pilsbry)

Lyons, W. G.

barbarae, *Brachycythara*, Turridae (Part I)
girardi, *Cerodrillia*, Turridae (Part I)
inglei, *Oceanida*, Eulimidae (Part I)
lineata, *Acanthochitona*, Acanthochitonidae

Malek, E. A. & M. D. Little

colombiensis, *Aroapyrgus*, Hydrobiidae

Marcus, Ernst (see under Marcus, Eveline)

Marcus, Eveline & Ernst Marcus

vina, *Assiminea succinea*, Assimineidae (Part I)

Matthews, H. R. & A. C. dos Santos Coelho

lopesi, *Mitra (Cancilla)*, Mitridae

McGinty, T. L. (see also under Olsson)

stegeri, *Daphnella*, Turridae (Part I)
thompsoni, *Eudolium*, Tonnidae (Part I)

Melvill, J. C.

jacksoni, *Scissurella*, Scissurellidae

Mikkelsen, P. M. & R. Bieler

troglodytes, *Divariscintilla*, Galeommatidae
yoyo, *Divariscintilla*, Galeommatidae

Mitchell-Tapping, H. J.

donmoorei, *Caecum*, Caecidae (Part I)

Moore, D. R.

calicicola, *Nucula*, Nuculidae
cynthiae, *Condylonucula*, Nuculidae
maya, *Condylonucula*, Nuculidae

Morrison, J. P. E.

barretti, *Odostomia* = *booneae*, *Hydrobia*, Hydrobiidae
chocolatum, *Incidostoma*, Poteriidae
diminutum, *Incidostoma*, Poteriidae

jacksoni, *Incidostoma*, Poteriidae
louisiana, *Vioscalba*, Hydrobiidae
pontchartrainensis, *Mulinia*, Mactridae
weberi, *Odostomia*, Pyramidellidae

Mulliner, D. K. & G. G. Sphon

carolynae, *Platydoris*, Platydorididae

Oliver, W. R. B.

kermadecensis, *Haurakia*, Rissoidae (Part I)

Olsson, A. A. (see also under Pilsbry)

ecuadoriana, *Crassinella*, Crassatellidae
stegeri, *Olivella* (*Olivella*), Olividae (Part I)

Olsson, A. A. & T. L. McGinty

elegans, *Vitrinella* (*Striovitrinella*), Vitrinellidae (Part I)
gabbi, *Strigilla*, Tellinidae
marmosa, *Olivella minuta*, Olividae (Part I)
micella, *Pleuromeris*, Carditidae
toroensis, *Rissoa*, Rissoidae

Orcutt, C. R. (see under Dall)

Pease, W. H.

dispar, *Neritina*, Neritidae (Part I)
rubra, *Alcyna*, Trochidae (Part I)

Peile, A. J.

bermudensis, *Rissoina*, Rissoidae (Part I)

Petit, R. E. (see also under Roth)

darwinii, *Cancellaria*, Cancellariidae (Part I)

Petuch, E. J.

abrolhosensis, *Acmaea* (*Collisella*), Lottiidae (Part I, as Acmaeidae)
aphrodite, *Conus*, Conidae (Part I)
baileyi, *Oliva*, Olividae (Part I)
bohollensis, *Conus*, Conidae (Part I)
eccentricus, *Zelippistes*, Capulidae (Part I)
echinophilus, *Africonus*, Conidae (Part I)
exquisita, *Pseudocypraea*, Ovulidae (Part I)

fragilissimus, *Conus*, Conidae (Part I)
kaicherae, *Vexillum* (*Costellaria*), Costellariidae (Part I)
kurzi, *Guildfordia*, Turbinidae (Part I)
kurzi, *Morum* (*Oniscidia*), Harpidae (Part I)
lightbourni, *Conus* (*Floraconus*), Conidae (Part I)
nereis, *Conus*, Conidae (Part I)
nodosivaricosa, *Agatrix* (*Olssonella*), Cancellariidae (Part I)
philippinensis, *Axymene*, Muricidae (Part I)
zulu, *Conus*, Conidae (Part I)

Piech, B. J. (see under Emerson)

Pilsbry, H. A. (see also under Brown)

awajiensis, *Corbicula*, Corbiculidae
bryanae, *Congerina*, Mytilidae
dalliana, *Acmaea*, Lottiidae (Part I, as Acmaeidae)
floridana, *Stenacme*, Epitoniidae (Part I)
hawaiensis, *Solecardia*, Kelliidae
patagonicum, *Pisidium*, Sphaeriidae
platyptycha, *Tapes*, Veneridae
Rushii, *Thracia*, Thraciidae
sadoensis, *Corbicula*, Corbiculidae
Sterkianum, *Pisidium*, Sphaeriidae
sulfurea, *Pitar*, Veneridae
thaanumi, *Cardium*, Cardiidae
tokyoensis, *Rissoa*, Rissoidae (Part I)
Uruguayensis, *Semele* (*Abra?*), Semelidae
viola, *Corbicula*, Corbiculidae
yokohamensis, *Raeta*, Mactridae

Pilsbry, H. A. & J. C. Bequaert

congo, *Iphigenia*, Donacidae
mediafricana, *Eupera*, Sphaeriidae
nux, *Egeria*, Donacidae

Pilsbry, H. A. & H. N. Lowe

acapulcensis, *Leda* (*Saccula*), Nuculanidae
exoptata, *Leda* (*Adrana*), Nuculanidae
hilli, *Anachis* (*Glyptanachis*), Columbelloidea
impar, *Leda*, Nuculanidae
omissa, *Macrocallista* (*Chionella*), Veneridae
pacis, *Macoma*, Tellinidae

rhypis, *Pandora* (*Kennerlia*), Pandoridae
sororcula, *Transenella*, Veneridae

Pilsbry, H. A. & A. A. Olsson

nonuranus, *Modiolus* (*Modiolus*), Mytilidae

Pilsbry, H. A. & J. Zetek

panamensis, *Cyrenoida*, Cyrenoididae

Powell, A. W. B.

ahiparana, *Turritella* (*Zeacolpus*), Turritellidae (Part I)
bouvetia, *Margarella*, Trochidae (Part I)
delli, *Penion benthicola*, Buccinidae (Part I)
kingae, *Xenoturris*, Turridae (Part I)
macquariensis, *Trophon*, Muricidae (Part I)
mauganuica, *Austrodiaphana*, Diaphanidae (Part I)
mawsoni, *Parmaphorella*, Fissurellidae
nivosa, *Ovirissoa*, Rissoidae (Part I)
pseudanaloga, *Puncturella*, Fissurellidae (Part I)
queenslandica, *Leucosyrinx*, Turridae (Part I)
scotiana, *Sinuber sculpta*, Naticidae (Part I)
signeyana, *Chlanidota*, Buccinidae (Part I)
tenerum, *Parvaplustrum*, Aplustridae (Part I, as Hydatinidae)
venustula, *Pareuthria*, Buccinidae (Part I)
weaveri, *Turridrupa*, Turridae (Part I)
wormaldi, *Columbarium* (*Coluzea*), Turbinellidae (Part I)
zebrina, *Zediloma* (*Fractarmilla*) *corrosa*, Trochidae (Part I)

Prime, T.

angasi, *Corbicula*, Corbiculidae

Quinn, J. F., Jr.

acanthus, *Mirachelus*, Trochidae
bermudense, *Calliostoma*, Trochidae
carinatus, *Lamellitrochus*, Trochidae
guesti, *Calliostoma*, Trochidae

Rehder, H. A.

barnardi, *Fusivoluta*, Volutidae (Part I)
boswellae, *Volutocorbis*, Volutidae (Part I)
clarkei, *Fusivoluta*, Volutidae (Part I)
disparilis, *Volutocorbis*, Volutidae (Part I)

floridanus, *Microdochus*, Elachisinidae (Part I)
gracilior, *Benthovoluta*, Turbinellidae (Part I)

Richards, H. G.

edgerlyi, *Gyrineum perca*, Ranellidae
inspinata, *Melongena corona*, Melongenidae

Roth, B. & R. E. Petit

masirana, *Persicula*, Marginellidae (Part I)

Sánchez de Fuentes, L. (see under Jaume)

Schilder, F. A.

summersi, *Bistolida* (*Blasicrura*) *pallidula*, Cypraeidae (Part I)

Schilder, F. A. & R. Summers

casta, *Notocypraea*, Cypraeidae
hesperina, *Blasicrura coxeni*, Cypraeidae (Part I)

Schwengel, J. S.

koto, *Lamellaria*, Lamellariidae (Part I)
mcgintyi, *Eubela*, Turridae (Part I)

Shasky, D. R.

berryi, *Anachis*, Columbelloidae (Part I)
macleani, *Coralliophila*, Muricidae (Part I)
mazatlanica, *Ruthia*, Columbelloidae (Part I)
mendozana, *Strombina* (*Cotonopsis*), Columbelloidae (Part I)

Shasky, D. R. & G. B. Campbell

macleani, *Calliostoma*, Trochidae (Part I)
sphoni, *Mitra* (*Strigatella*), Costellariidae

Simpson, C. T. (see under Henderson)

Smith, A. G.

stilesi, *Neptunea*, Buccinidae (Part I)

Smith, E. A.

huttonii, *Trochus* (*Cantharidus*), Trochidae (Part I)

Snyder, M. A.

lightbourni, *Fusinus*, Fasciolaridae (Part I, as Buccinidae)

martini, *Latirus*, Fasciolaridae (Part I, Buccinidae)

Sphon, G. (see under Mulliner)**Sterki, V.**

lermondi, *Pisidium*, Sphaeriidae

Stokes, A. J.

randalli, *Cymbiola*, Volutidae (Part I)

Summers, R. (see under Schilder)**Suter, H.**

lyalliana, *Rissoia* (*Alvania*) *plicata*, Rissoidae (Part I)

Test, A. R.

cona, *Acmaea*, Lottiidae (Part I, as Acmaeidae)

Thompson, F. G.

rhecta, *Meganipha*, Annulariidae

Tippett, D. L.

brasiliiana, *Borsonia*, Turridae (Part I)

petiti, *Fenimorea*, Turridae

wolfei, *Drillia*, Turridae

Tucker, J. K.

sprucecreekensis, *Melongena*, Melongenidae

Turner, R. D. (see under Clench)**Vanatta, E. G.**

amosi, *Metula*, Fasciolaridae (Part I, as Buccinidae)

Waller, T. R.

cranmerorum, *Somalipecten*, Pectinidae

Walls, J. G. (see also under Cardin)

axelrodi, *Conus*, Conidae (Part I)

cloveri, *Conus*, Conidae (Part I)

kerstitchi, *Conus*, Conidae (Part I)
meyeri, *Conus biliosus*, Conidae (Part I)
parvatus, *Conus musicus*, Conidae (Part I)
reductaspiralis, *Conus nielsenae*, Conidae (Part I)
sandwichensis, *Conus suturalis*, Conidae (Part I)
tribblei, *Conus*, Conidae (Part I)
wittingi, *Conus*, Conidae (Part I)

Watters, G. T.

andersoni, *Acanthochitona*, Acanthochitonidae

Weaver, C. S.

cloveriana, *Lyria*, Volutidae (Part I)
daisyae, *Vulutoconus hargreavesi*, Volutidae (Part I)
dampieria, *Amoria* (*Amoria*), Volutidae (Part I)
duponti, *Festilyria*, Volutidae (Part I)

Wheat, S. C.

fergusoni Wheat, 1913, *Acmaea*, Lottiidae

Wright, B. H.

webbianus, *Unio* (*Elliptio*), Unionidae

Zetek, J. (see under Pilsbry)**TAXONOMIC INDEX****(PARTS I AND II: BIELER & BRADFORD, 1991, AND THIS PAPER)**

(numbers of lots/specimens in parentheses; * = includes holotype)

Listed by original epithet within current families.

POLYPLACOPHORA:**Acanthochitonidae**

andersoni Watters, 1981, *Acanthochitona* (1/1)
lineata Lyons, 1988, *Acanthochitona* (1/1)

Ischnochitonidae

portobelensis Ferreira, 1976, *Callistochiton* (1/1)

GASTROPODA: PROSOBRANCHS:

Acmaeidae - see Lottiidae

Annulariidae

alcaldei Jaume & Sánchez de Fuentes, 1943, *Chondropoma*

- (*Chondropoma*) (1/4)
alcaldei Jaume & Sánchez de Fuentes, 1943, *Chondrothyrium*
 (*Plicathyrium*) (1/1)
britoi Jaume & Sánchez de Fuentes, 1943, *Eutudora limbifera* (1/6)
fuentesii Jaume & Alcalde y Ledón, 1944, *Chondropoma* (*Chondropoma*)
 (1/3)
fuentesii Alcalde y Ledón, 1943, *Chondrothyrium crenimargo* (1/1)
jaumei Alcalde y Ledón, 1943, *Chondrothyrium violaceum* (1/4)
morenoi Jaume & Sánchez de Fuentes, 1943, *Chondrothyrium*
 (*Chondrothyrium*) *violaceum* (1/2)
rhecta Thompson, 1978, *Meganipha* (1/3)
superbum Henderson & Simpson, 1902, *Chondropoma* (1/4)
torrei Jaume & Sánchez de Fuentes, 1943, *Chondrothyrium*
 (*Plicathyrium*) (1/1)

Assimineidae

- habei* Abbott, 1958, *Assiminea habei*, Part I (1/2)
vina Marcus & Marcus, 1965, *Assiminea succinea*, Part I (1/31)

Buccinidae

- delli* Powell, 1971, *Penion benthicola*, Part I (1/1)
major Dall, 1919, *Buccinum pemphigus*, Part I (1/1)
signeyana Powell, 1951, *Chlanidota*, Part I (1/1)
stilesii Smith, 1968, *Neptunea*, Part I (1/1)
venustula Powell, 1951, *Pareuthria*, Part I (1/1)

Caecidae

- donmoorei* Mitchell-Tapping, 1979, *Caecum*, Part I (*1/1)
orcutti Dall in Orcutt & Dall, 1885, *Caecum*, Part I (1/2)

Cancellariidae

- darwinii* Petit, 1970, *Cancellaria*, Part I (1/1)
nodosivaricosa Petuch, 1979, *Agatrix* (*Olssonella*), Part I (*1/1)

Capulidae

- eccentricus* Petuch, 1979, *Zelippistes*, Part I (*1/1)

Cerithiidae

- veracruzensis* Bequaert, 1942, *Cerithidea pliculosa*, Part I (1/1)

Columbellidae

- aureola* Howard, 1963, *Pyrene* = *aureomexicana* Howard, 1963, *Pyrene*,
 Part I (1/1)
berryi Shasky, 1970, *Anachis*, Part I (1/2)
fayae Keen, 1971, *Anachis* (?*Costoanachis*), Part I (1/2)
hilli Pilsbry & Lowe, 1932, *Anachis* (*Glyptanachis*) (1/2)
mazatlanica Shasky, 1970, *Ruthia*, Part I (1/1)
mendozana Shasky, 1970, *Strombina* (*Cotonopsis*), Part I (1/1)

Conidae

- aphrodite* Petuch, 1979, *Conus*, Part I (*2/2)
- axelrodi* Walls, 1978, *Conus*, Part I (*1/1)
- boholensis* Petuch, 1979, *Conus*, Part I (*2/3)
- cloveri* Walls, 1978, *Conus*, Part I (*1/1)
- echinophilus* Petuch, 1975, *Africonus*, Part I (1/1)
- fragilissimus* Petuch, 1979, *Conus*, Part I (*2/4)
- kerstitchi* Walls, 1978, *Conus*, Part I (*1/1)
- lightbourni* Petuch, 1986, *Conus (Floraconus)*, Part I (*2/4)
- meyeri* Walls, 1979, *Conus biliosus*, Part I (*1/1)
- nereis* Petuch, 1979, *Conus*, Part I (*2/2)
- parvatus* Walls, 1979, *Conus musicus*, Part I (*2/7)
- patae* Abbott, 1971, *Conus*, Part I (*4/7)
- reductaspiralis* Walls, 1979, *Conus nielsenae*, Part I (*1/1)
- sandwichensis* Walls, 1978, *Conus suturalis*, Part I (*1/1)
- tribblei* Walls, 1977, *Conus*, Part I (*1/1)
- wittigi* Walls, 1977, *Conus*, Part I (*1/1)
- zulu* Petuch, 1979, *Conus*, Part I (*3/6)

Costellariidae

- adamsianum* Cernohorsky, 1978, *Vexillum (Costellaria)*, Part I (1/1)
- filiareginae* Cate, 1961, *Vexillum regina* (2/2)
- hanseniae* Cernohorsky, 1973, *Vexillum (Pusia)* (2/3)
- kaicherae* Petuch, 1979, *Vexillum (Costellaria)*, Part I (1/2)
- marrowi* Cernohorsky, 1973, *Vexillum (Pusia)* (4/5)
- martinorum* Cernohorsky, 1986, *Vexillum (Costellaria)* (1/1)
- nodospiculum* Cernohorsky, 1970, *Vexillum (Costellaria)* (2/2)
- salisburyi* Cernohorsky, 1976, *Vexillum (Pusia)*, Part I (1/3) and this paper (2/3)
- sphoni* Shasky & Campbell, 1964, *Mitra (Strigatella)* (1/1)
- wolfei* Cernohorsky, 1978, *Vexillum (Costellaria)*, Part I (1/1) and this paper (1/1)

Cypraeidae

- casta* Schilder & Summers, 1963, *Notocypraea* (1/1)
- eugeniae* Cate, 1975, *Notadusta* (2/2)
- gregori* Ford, 1893, *Cypraea cruenta*, Part I (1/1)
- hesperina* Schilder & Summers, 1963, *Blasicrura coxeni*, Part I (1/1)
- mauiensis* Burgess, 1967, *Cypraea*, Part I (1/2)
- rosselli* Cotton, 1948, *Zoila*, Part I (1/1)
- summersi* Schilder, 1958, *Bistolida (Blasicrura) pallidula*, Part I (1/1)

Elachisinidae

- floridanus* Rehder, 1943, *Microdochus*, Part I (1/78)

Epitoniidae

floridana Pilsbry, 1945, *Stenacme*, Part I (1/1)

textimattum DuShane, 1977, *Epitonium* (*Asperiscala*), Part I (1/1)

Eulimidae

inglei Lyons, 1978, *Oceanida*, Part I (1/1)

Fasciolariidae

amosi Vanatta, 1913, *Metula*, Part I (1/2)

lightbourni Snyder, 1984, *Fusinus*, Part I (*2/4)

martini Snyder, 1988, *Latirus*, Part I (1/1)

Fissurellidae

mawsoni Powell, 1958, *Parmaphorella* (1/1)

pseudanaloga Powell, 1957, *Puncturella*, Part I (2/5)

Harpidae

kurzi Petuch, 1979, *Morum* (*Oniscidia*), Part I (*1/1)

Helicinidae

jaumei Aguayo & Jaume, 1957, *Eutrochatella* (*Troschelviana*) (1/4)

scheneri Baker, 1913, *Helicina* (1/4)

tagbilleranus Bartsch, 1918, *Geophorus* (*Diplopinax*) (1/6)

Hydrobiidae

alcoviensis Krieger, 1972, *Somatogyrus* (2/24)

barretti Morrison, 1965, *Odostomia* = *booneae* Morrison, 1973,
Hydrobia (1/2)

colombiensis Malek & Little, 1971, *Aroapyrgus* (*2/92)

louisianae Morrison, 1965, *Vioscalba* (1/23)

Lamellariidae

koto Schwengel, 1944, *Lamellaria*, Part I (2/2)

Littorinidae

atkana Dall, 1886, *Littorina* *sitkana*, Part I (1/2)

Lottiidae

abrolhosensis Petuch, 1979, *Acmaea* (*Collisella*), Part I (1/4)

cona Test, 1945, *Acmaea*, Part I (1/1)

corticata Hutton, 1880, *Acmaea*, Part I (1/1)

dalliana Pilsbry, 1891, *Acmaea*, Part I (1/1)

fergusoni Wheat, 1913, *Acmaea* (1/1)

Marginellidae

masirana Roth & Petit, 1972, *Persicula*, Part I (*1/1)

Megalomastomidae

serranum Alcalde y Ledón, 1945, *Farcimen* (*Farcimen*) *auriculatum*
(*1/1)

Melongenidae

inspinata Richards, 1933, *Melongena* *corona* (*1/1)

johnstonei Clench & Turner, 1956, *Melongena* *corona*, Part I (4/9)

sprucecreekensis Tucker, 1994, *Melongena* (1/10)

Mitridae

backae Cernohorsky, 1973, *Scabricola* (*Scabricola*) (2/2)

cloveri Cernohorsky, 1971, *Cancilla* (*Ziba*) (1/1)

crosnieri Cernohorsky, 1970, *Cancilla scrobiculata*, Part I (*2/3) and this paper (1/1)

dondani Cernohorsky, 1985, *Mitra* (1/1)

earlei Cernohorsky, 1977, *Mitra* (*Nebularia*) (1/1)

ekerae Cernohorsky, 1973, *Scabricola* (*Swainsonia*) *ocellata* (1/1)

lopesi Matthews & Coelho, 1969, *Mitra* (*Cancilla*) (1/3)

vicdani Cernohorsky, 1981, *Scabricola* (1/1)

Muricidae

caribaea Abbott, 1958, *Coralliophila* (1/3)

cosmani Abbott & Finlay, 1979, *Chicoreus*, Part I (1/1)

dalli Emerson & D'Attilio, 1963, *Latiaxis* (*Babelomurex*), Part I (1/2)

finlayi Clench, 1955, *Murex* (*Murex*), Part I (1/1)

guamensis Emerson & D'Attilio, 1979, *Favartia* (1/1)

guesti Harasewych & Jensen, 1979, *Pterynotus* (*Pterynotus*), Part I (*1/1)

hadari Emerson & Cernohorsky, 1973, *Drupa ricinus* (1/2)

haysae Clench, 1927, *Thais floridana*, Part I (2/4)

langi Clench & Turner, 1948, *Thais* (*Thaisella*), Part I (1/6)

lightbourni Harasewych & Jensen, 1979, *Pterynotus* (*Pterynotus*), Part I (*1/1)

macleani Shasky, 1970, *Coralliophila*, Part I (1/2)

mactanensis Emerson & D'Attilio, 1979, *Murexiella* (1/1)

macquariensis Powell, 1957, *Trophon*, Part I (1/3)

michaeli Ford, 1888, *Ocenebra*, Part I (1/2)

orri Cernohorsky, 1976, *Muricopsis* (1/2)

philippinensis Petuch, 1979, *Axymene*, Part I (*1/1)

radwini Harasewych & Jensen, 1979, *Pterynotus* (*Pterynotus*), Part I (*1/1)

Naticidae

guesti Harasewych & Jensen, 1984, *Natica* (*Natica*), Part I (2/8 [7])

scotiana Powell, 1951, *Sinuber sculpta*, Part I (1/2)

Neritidae

dispar Pease, 1867, *Neritina*, Part I (1/6)

Neritopsidae

finlayi Hoerle, 1974, *Neritopsis*, Part I (1/1)

Olividae

baileyi Petuch, 1979, *Oliva*, Part I (*2/2)

blanesi Ford, 1898, *Olivella*, Part I (1/2)

- gaylordi* Ford, 1895, *Olivella gracilis*, Part I (1/2)
marmosa Olsson & McGinty, 1958, *Olivella minuta*, Part I (1/1)
rejecta Burch & Burch, 1962, *Oliva*, Part I (1/1)
stegeri Olsson, 1956, *Olivella (Olivella)*, Part I (1/4)
teaguei Klappenbach, 1964, *Olivancillaria*, Part I (1/1)
trujilloi Clench, 1938, *Oliva*, Part I (1/7)

Ovulidae

- exquisita* Petuch, 1979, *Pseudocypraea*, Part I (*1/1)
lahainaensis Cate, 1969, *Volva (Phenacovolva)*, Part I (1/2)
lenoreae Cardin & Walls, 1980, *Phenacovolva (Subsimnia)*, Part I (*1/1)

Personidae

- burgessi* Lewis, 1972, *Distorsio*, Part I (2/2)
habei Lewis, 1972, *Distorsio constricta*, Part I (1/1)
jenniernestae Emerson & Piech, 1992, *Distorsio (Distorsio)* (1/2)

Pomatiopsidae

- yoshidai* Bartsch, 1925, *Katayama nosophora* (1/6)

Potamididae

- boswellae* Barnard, 1963, *Pirenella*, Part I (*1/1)

Poteriidae

- chocolatum* Morrison, 1955, *Incidostoma* (1/5)
diminutum Morrison, 1955, *Incidostoma* (2/13)
jacksoni Morrison, 1955, *Incidostoma* (2/18)

Ranellidae

- boschi* Abbott & Lewis, 1970, *Cymatium*, Part I (*1/1)
edgerlyi Richards, 1933, *Gyrineum perca* (*1/1)

Rissoidae

- bermudensis* Peile, 1926, *Rissoina*, Part I (1/2)
kermadecensis Oliver, 1915, *Haurakia*, Part I (1/3)
lyalliana Suter, 1898, *Rissoia (Alvania) plicata*, Part I (1/1)
nivosa Powell, 1957, *Ovirissoa*, Part I (1/3)
scalaroides Adams, 1850, *Rissoa*, Part I (1/7)
tokyoensis Pilsbry, 1904, *Rissoa*, Part I (1/1)
toroensis Olsson & McGinty, 1958, *Rissoa* (1/5)

Scissurellidae

- jacksoni* Melvill, 1904, *Scissurella* (1/1)

Strombidae

- nanus* Bales, 1942, *Strombus raninus*, Part I (1/5) and this paper (1/2)

Terebridae

- allyni* Bratcher & Burch, 1970, *Terebra*, Part I (1/1)
arcas Abbott, 1954, *Terebra (Strioterebrum)*, Part I (2/3)
betsyae Burch, 1965, *Hastula (Punctoterebra)*, Part I (2/6)

- crakei* Burch, 1965, *Duplicaria* (*Duplicaria*), Part I (1/2)
dorothyae Bratcher & Burch, 1970, *Terebra*, Part I (1/1)
hancocki Bratcher & Burch, 1970, *Terebra*, Part I (1/1)
*hoffmeyer*i Abbott, 1952, *Terebra* (*Strioterebrum*), Part I (1/1)
maryleeae Burch, 1965, *Hastula* (*Hastula*), Part I (1/2)
parkinsoni Cernohorsky & Bratcher, 1976, *Terebra*, Part I (1/1)
stegeri Abbott, 1954, *Terebra* (*Myurella*) *floridana*, Part I (1/1)

Tonnidae

- thompsoni* McGinty, 1955, *Eudolium*, Part I (1/1)

Trochidae

- acanthus* Quinn, 1991, *Mirachelus* (*2/4)
bermudense Quinn, 1992, *Calliostoma* (*2/10)
bouvetia Powell, 1951, *Margarella*, Part I (1/2)
carinatus Quinn, 1991, *Lamellitrochus* (*3/54)
guesti Quinn, 1992, *Calliostoma* (*2/4)
huttonii Smith, 1876, *Trochus* (*Canthiridus*), Part I (1/2)
macleani Shasky & Campbell, 1964, *Calliostoma*, Part I (1/1)
rubra Pease, 1860, *Alcyna*, Part I (1/2)
zebrina Powell, 1946, *Zediloma* (*Fractarmilla*) *corrosa*, Part I (2/6)

Turbinellidae

- aurora* Bayer, 1971, *Columbarium* (*Peristarium*), Part I (1/1)
ecphoroides Harasewych, 1983, *Fulgurofusus* (*Fulgurofusus*), Part I (1/1)
electra Bayer, 1971, *Columbarium* (*Peristarium*), Part I (1/1)
gracilior Rehder, 1967, *Benthovoluta*, Part I (1/1)
harrisae Harasewych, 1983, *Columbarium*, Part I (1/1)
merope Bayer, 1971, *Columbarium* (*Peristarium*), Part I (1/1)
timor Harasewych, 1983, *Fulgurofusus* (*Peristarium*), Part I (1/1)
wormaldi Powell, 1971, *Columbarium* (*Coluzea*), Part I (1/1)
xenismatis Harasewych, 1983, *Fulgurofusus* (*Histricosceptrum*), Part I (1/1)

Turbinidae

- kurzi* Petuch, 1979, *Guildfordia*, Part I (*2/5)

Turridae

- barbarae* Lyons, 1972, *Brachycythara*, Part I (2/2)
brasiliiana Tippet, 1983, *Borsonia*, Part I (1/2)
girardi Lyons, 1972, *Cerodrillia*, Part I (1/1)
kingae Powell, 1964, *Xenoturris*, Part I (1/2)
mcgintyi Schwengel, 1943, *Eubela*, Part I (1/1)
petiti Tippet, 1995, *Fenimorea* (1/1)
queenslandica Powell, 1969, *Leucosyrinx*, Part I (1/2)
salisburyi Cernohorsky, 1978, *Mitrolumna*, Part I (1/1)
stegeri McGinty, 1955, *Daphnella*, Part I (1/1)

weaveri Powell, 1967, *Turridrupa*, Part I (1/1)

wolfi Tippet, 1995, *Drillia* (1/1)

Turritellidae

ahiparana Powell, 1927, *Turritella* (*Zeacolpus*), Part I (1/6)

Vitrinellidae

elegans Olsson & McGinty, 1958, *Vitrinella* (*Striovitrinella*), Part I (1/1)

Volutidae

barnardi Rehder, 1969, *Fusivoluta*, Part I (*2/2)

boswellae Rehder, 1969, *Volutocorbis*, Part I (*1/1)

clarkei Rehder, 1969, *Fusivoluta*, Part I (*3/4)

clavariata Weaver, 1963, *Lyria*, Part I (1/1)

daisyae Weaver, 1967, *Volutoconus hargreavesi*, Part I (*3/3)

dampiera Weaver, 1960, *Amoria* (*Amoria*), Part I (1/1)

disparilis Rehder, 1969, *Volutocorbis*, Part I (1/3)

duponti Weaver, 1968, *Festilyria*, Part I (*1/1)

germonae Harasewych, 1987, *Tractolira*, Part I (1/2)

kellneri Iredale, 1957, *Aulica*, Part I (1/1)

perplicata Hedley, 1902, *Voluta*, Part I (1/1)

randalli Stokes, 1961, *Cymbiola*, Part I (1/1)

rosi Clench & Turner, 1964, *Adelomelon* (*Weaveria*), Part I (1/1)

smithi Bartsch, 1942, *Prodallia*, Part I (1/1)

vernicosum Dall, 1889, *Mangilia* (*Calliotectum*), Part I (1/1)

Volutomitridae

cuvierensis Finlay, 1930, *Microvoluta*, Part I (1/1)

GASTROPODA: HETEROBRANCHIA: HETEROSTROPHA:

Pyramidellidae

weberi Morrison, 1965, *Odostomia* (1/2)

GASTROPODA: HETEROBRANCHIA: OPISTHOBRANCHIA:

Acteonidae

eloiseae Abbott, 1973, *Acteon*, Part I (*2/3)

Aplustridae

tenerum Powell, 1951, *Parvaplustrum*, Part I (1/6)

Diaphanidae

mauganauica Powell, 1952, *Austrodiaphana*, Part I (3/38)

Hydatinidae - see Aplustridae

Platydorididae

carolynae Mulliner & Sphon, 1974, *Platydoris* (1/1)

BIVALVIA:**Cardiidae**

thaanumi Pilsbry, 1921, *Cardium* (1/1)

Carditidae

micella Olsson & McGinty, 1958, *Pleuromeris* (1/4)

Corbiculidae

angasi Prime, 1864, *Corbicula* (1/1)

awajiensis Pilsbry, 1901, *Corbicula* (1/1)

Reiniana Clessin in Küster, 1878, *Corbicula* (1/2)

sadoensis Pilsbry, 1901, *Corbicula* (1/1)

viola Pilsbry, 1907, *Corbicula* (1/1)

Corbulidae

Krebsiana Adams, 1852, *Corbula* (1/1)

Swiftiana Adams, 1852, *Corbula* (1/1)

Crassatellidae

ecuadoriana Olsson, 1961, *Crassinella* (1/1)

Cyrenoididae

panamensis Pilsbry & Zetek, 1931, *Cyrenoida* (1/1)

Donacidae

congo Pilsbry & Bequaert, 1927, *Iphigenia* (1/2)

nux Pilsbry & Bequaert, 1927, *Egeria* (1/1)

Galeommatidae

troglodytes Mikkelsen & Bieler, 1989, *Divariscintilla* (1/3)

yoyo Mikkelsen & Bieler, 1989, *Divariscintilla* (1/2)

Kelliidae

hawaiiensis Pilsbry, 1921, *Solecardia* (1/1)

Limopsidae

diegensis Dall, 1908, *Limopsis* (2/7)

Mactridae

pontchartrainensis Morrison, 1965, *Mulinia* (1/6)

yokohamensis Pilsbry, 1895, *Raeta* (1/1)

Mytilidae

bryanae Pilsbry, 1921, *Congeria* (1/4)

nonuranus Pilsbry & Olsson, 1935, *Modiolus* (*Modiolus*) (1/1)

Nuculanidae

acapulcensis Pilsbry & Lowe, 1932, *Leda* (*Saccella*) (1/1)

exoptata Pilsbry & Lowe, 1932, *Leda* (*Adrana*) (1/1)

impar Pilsbry & Lowe, 1932, *Leda* (1/1)

redondoensis Burch, 1944, *Nuculana* (1/2)

vulgaris Brown & Pilsbry, 1913, *Leda* (1/232)

Nuculidae

calcicola Moore, 1977, *Nucula* (1/7)

cynthiae Moore, 1977, *Condylonucula* (1/2)

maya Moore, 1977, *Condylonucula* (1/4)

Pandoridae

rhypis Pilsbry & Lowe, 1932, *Pandora* (*Kennerlia*) (1/1)

Pectinidae

cranmerorum Waller, 1986, *Somalipecten* (1/1)

sablensis Clark, 1965, *Aequipecten* (*Plagiectenium*) *irradians* (1/1)

Semelidae

Uruguayensis Pilsbry, 1897, *Semele* (*Abra* ?) (1/2)

Sphaeriidae

lermondi Sterki, 1913, *Pisidium* (2/167)

mediafricana Pilsbry & Bequaert, 1927, *Eupera* (1/1)

patagonicum Pilsbry, 1911, *Pisidium* (1/5)

Sterkianum Pilsbry, 1897, *Pisidium* (1/2)

Tellinidae

gabbi Olsson & McGinty, 1958, *Strigilla* (1/1)

inflatula Dall, 1897, *Macoma* (1/4)

pacis Pilsbry & Lowe, 1932, *Macoma* (1/1)

Tindariidae

brunnea Dall, 1916, *Tindaria* (2/5)

Thraciidae

diegensis Dall, 1915, *Thracia* (1/1)

Rushii Pilsbry, 1897, *Thracia* (1/1)

Thyasiridae

redondoensis Burch, 1941, *Aligena* (1/1)

Unionidae

webbianus Wright, 1934, *Unio* (*Elliptio*) (1/1)

Veneridae

gerrardi Abbott, 1958, *Transenella* (1/2)

mulawana Biggs, 1969, *Tivela* (1/4)

omissa Pilsbry & Lowe, 1932, *Macrocallista* (*Chionella*) (1/1)

penistoni Heilprin, 1889, *Cytherea* (1/2)

platyptycha Pilsbry, 1901, *Tapes* (1/1)

sororcula Pilsbry & Lowe, 1932, *Transenella* (1/1)

sulfurea Pilsbry, 1904, *Pitar* (1/1)

Sareptidae

ensifera Dall, 1897, *Yoldia* (2/3)

montereyensis Dall, 1893, *Yoldia* (1/2)

SCAPHOPODA:

Gadilidae

teliger Finlay, 1927, *Cadulus* (1/1)

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