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*Thanks for  
your help,  
Carole Hertz*



**Illustration of the Types Named by  
S. Stillman Berry in His  
“Leaflets in Malacology” Revised**

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# ILLUSTRATION OF THE TYPES NAMED BY S. STILLMAN BERRY IN HIS "LEAFLETS IN MALACOLOGY" REVISED

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### Preface

This work is a revision of the supplement to Volume 15 (January 1984) of *The Festivus*. Since the death of S. Stillman Berry in 1984, his remaining Redlands collection, housing many types, was placed in several institutions. This revision strives to provide a complete listing of the repositories of his type material introduced in his *Leaflets in Malacology*, update the synonymies and, with the improvement in desk-top publishing, reprint with better quality the original Poorman photographs of that type material. The Berry Collection numbers are no longer included in this revision. Of the fourteen holotypes unaccounted for in the previous supplement only *Elaeocyma ricaudae* has not been found. The holotype of *Lepidozonia inefficax* is still considered lost.

### Introduction

In November of 1946, S. Stillman Berry began the private publication of his *Leaflets in Malacology* which he instituted to facilitate the "publication and dissemination... of new mollusks of special interest under study" primarily by him. *Leaflets in Malacology* continued for twenty-three years concluding with Volume 1, Number 26 in December 1969. During these years, Dr. Berry described 99 marine molluscan species, renamed one species, and named 19 new genera in the "Leaflets." However, besides the internal drawing of *Octopus fitchi*, only two of the species (*Pedicularia californica ovuliformis* and *Assiminea infima*) were figured in black & white drawings. Few of the types had been illustrated until Hertz (1984).

It is the purpose of this revision to re-figure all of the types of the species named by Dr. Berry in the "Leaflets," with the exception of the eight species of *Octopus*. The original project would not have been possible without the efforts of Leroy and Forrest Poorman who saw the need to illustrate Dr. Berry's type specimens and had photographed all but two for the species described in the "Leaflets" (excluding *Octopus* species).

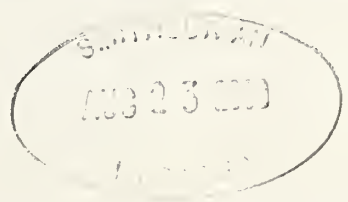
Most of the photography was done between July and December of 1971. In Leroy Poorman's words, "...Many of the types were photographed at Stanford [University] through the courtesy of Dr. Myra Keen. Fifty-nine specimens were photographed in one day. These specimens have since been placed in CAS [California Academy of Sciences]; ...we spent much time at Berry's home photographing. He gave us oral permission to use the slides in any way we wished. He said that they should be published but that the cost was too high, even for him ... We went through the special chest in which he kept his types when we were photographing there."

The types of *Cirsotrema pentedesmium* and "*Pedicularia (californica?) ovuliformis*" were photographed by David K. Mulliner. He also gave of his time and talent in preparing the black and white prints from Leroy Poorman's original color slides.

### Discussion

In determining the scope of the first paper, I had decided that the inclusion of the known repositories of the Berry typological material would be of value. In this, the Poorman slides were again of considerable help

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The repositories of the holotype and paratypes of each species are also listed, when known. Paratype material in private collections is not considered here since its ready availability for study by workers in the field cannot be assured. In the case of the type material which was donated to Stanford University (SU) and is now on permanent loan at the California Academy of Sciences; only the six-digit California Academy of Sciences (CAS) number appears. In cases in which the specimen was deposited in the CAS prior to their current numbering system, the newer six-digit number appears first with the original CAS number in brackets. A brief synonymy is included for the species, when applicable.

A chronological listing of titles by Dr. Berry in the "Leaflets" is on Pages 4 and 5, and an index to the Berry species appears on Page 43.

Abbreviations used in the text: AMNH -- American

Museum of Natural History; BM(NH) -- The Natural History Museum, London; CAS -- California Academy of Sciences; LACM -- Los Angeles County Museum of Natural History; MCZ -- Museum of Comparative Zoology, Harvard University; SBMNH -- Santa Barbara Museum of Natural History; SDNHM -- San Diego Natural History Museum; SU -- Stanford University; TM -- Trømso Museum, Tromsø, Norway; NMNH -- National Museum of Natural History, Smithsonian Institution; USNM -- Collections of the National Museum of Natural History; alt. -- maximum altitude; long. -- maximum longitude; ca. -- approximately; l.v. -- left valve; diam. -- maximum diameter; mm -- millimeter(s); *fide* -- according to, in the belief of; P -- paratype; pers. comm. -- personal communication; fig(s). -- figure(s); p(p). -- page(s); H -- holotype; r.v. -- right valve; lat. -- maximum latitude; W -- west; S -- south; N -- north.

#### List of Genera Proposed in the "Leaflets"

The 19 genera proposed by S. Stillman Berry in the "Leaflets" are listed here. The generic types are not figured except in those cases in which they also represent a Berry species named in the "Leaflets." A synonymy is not included for the genera.

Genus	Generic type	Page Number in "Leaflets"
<i>Stromboli</i>	<i>Fissurella beebei</i> Hertlein & Strong, 1951	70
<i>Tiphyocerma</i>	<i>Tiphyocerma preposterum</i> Berry, 1958	83
<i>Tiariturris</i>	<i>Tiariturris spectabilis</i> Berry, 1958	87
<i>Turrigemma</i>	<i>Turrigemma torquifer</i> Berry, 1958	88
<i>Hormospira</i>	<i>Pleurotoma maculosa</i> Sowerby, 1834	90
<i>Nomaeopelta</i>	<i>Acmaea dalliana</i> Pilsbry, 1891	91
<i>Stearnsium</i>	<i>Uvanilla regina</i> Stearns, 1892	92
<i>Lapsigyris</i>	<i>Alvania contrerasi</i> Jordan, 1936	92
<i>Opeatostoma</i>	<i>Buccinum pseudodon</i> Burrow, 1815	93
<i>Mitromica</i>	<i>Mitra solitaria</i> C.B. Adams, 1852	94
<i>Hertleinella</i>	<i>Hertleinella leucostephes</i> Berry, 1958	95
<i>Calcitrapessa</i>	<i>Murex (Chicoreus) leeanus</i> Dall, 1890	113
<i>Pegmapex</i>	<i>Pegmapex phoebe</i> Berry, 1960	115
<i>Tellidorella</i>	<i>Tellidorella cristulata</i> Berry, 1963	140
<i>Crenimargo*</i>	<i>Crenimargo electilis</i> Berry, 1963	140
<i>Lunaia</i>	<i>Lunaia lunaris</i> Berry, 1964	148
<i>Trialatella</i>	<i>Trialatella cunningghamae</i> Berry, 1964	149
<i>Diptychophlia</i>	<i>Diptychophlia occata</i> (Hinds, 1844), as of Berry (1964)	150
<b>Subgenus</b>		
<i>Bessomia</i>	<i>Thyca (Bessomia) callista</i> Berry, 1959	110

\**Cymatioa* Berry, 1964:154, new name for *Crenimargo* Berry, 1963, not Cossmann, 1902.



since, for example, the slides of holotypes which had already been deposited at Stanford University were so noted. The catalogues of molluscan type specimens by Richards & Old, 1969; Smith, 1978; Sphon, 1966, 1971; and Wilson & Kennedy, 1967, were then consulted for further information on the location of Berry type material. Further, in the "*Leaflets*" 1(14): 75 (July 19, 1957), Dr. Berry wrote, "Holotypes of all the new forms, except as otherwise noted are intended to be deposited in the type-collection of the Department of Paleontology, Stanford University. Paratypes are in the author's collection, although they will be shared as far as the material permits with the U.S. National Museum, San Diego Museum of Natural History, Los Angeles County Museum and perhaps some other collections."

From this beginning, a search was made to confirm the repositories of much of the type material and to locate additional Berry type material for species named in the "*Leaflets*." Dr. Berry frequently specified the intended recipients (museums) of the type material of the species he described. Using this information, inquiries were sent to those museums. Each institution was asked to check its collections for the type material in question. They were asked for the quantity of material for each species and their museum catalog numbers. I then personally checked the type collections of the Los Angeles County Museum of Natural History, San Diego Natural History Museum, Santa Barbara Museum of Natural History, and the California Academy of Sciences.

After Dr. Berry's death, scientists from several institutions came to the Berry home to prepare his remaining collection for inclusion in museum collections. The major part of the collection was incorporated into the collections of the SBMNH and that institution's accession numbers replace those of the Berry Collection numbers shown in the original supplement. The cephalopod types were brought to the NMNH to be added to their molluscan holdings.

In reviewing the repositories for the Berry type material, it was learned that Dr. Berry sometimes deposited parts of a single type specimen in more than one collection. For the holotype of *Stenoplax isoglypta*, as an example, Dr. Berry (p. 72) deposited one valve in the National Museum of Natural History (USNM 612205, sixth valve), one valve in Stanford University (SU 8649) [now at CAS 0439401] (designated a paratype in earlier literature), and retained the remaining valves in his collection (Redlands 19160) [now at SBMNH 34426].

Further requests for information concerning other type material for species described in the "*Leaflets*" were also sent to the museums. In this regard, I received a reply from the Trømsø Museum, Norway, to my request for information on a paratype of *Barbatia rostrae* which Dr. Berry had intended to deposit there. Dr. Wim Vader, Curator, kindly sent photographs of their specimen and its accompanying label. While the photographs indicate the specimen to be *Barbatia rostrae*, I have listed their specimen as "possible paratype" since proof of its status as a paratype is lacking.

The information in the original paper on the cephalopod type material referred to in the "*Leaflets*" was obtained through the efforts of Dr. F.G. Hochberg of the Department of Invertebrate Zoology, Santa Barbara Museum of Natural History, who with Dr. Clyde Roper of the Department of Invertebrate Zoology, National Museum of Natural History, began organizing Dr. Berry's cephalopod type collection during August 1983. This type material was then sent to the National Museum of Natural History, Smithsonian Institution, to be accessioned in their type collection (Hochberg, pers. comm). Mr. Mike Sweeney of the Department of Invertebrate Zoology of that institution provided me with their catalogue numbers for these specimens.

Since the death of Dr. Berry, Sweeney, Roper & Hochberg (1988) published a detailed study of all the Berry cephalopod material in a catalog summarizing "the status of Berry's Recent cephalopod type material from his collection as well as from all known museum repositories...." Table I is a summary of the cephalopod species described by Dr. Berry in the "*Leaflets*."

#### Format

Each Berry type shown here appears in the same sequence as in the "*Leaflets*" in the hope that this will facilitate the use of this paper as an illustrated companion to the original Berry work. Each entry is listed with its original orthography: an [H] or [P] next to the name indicates that the specimen figured is a holotype or paratype. The date, volume, and page number(s) of the original description appear beneath the species name followed by the dimensions of the holotype and the type locality.

The measurements of all but three species (*Nomaeopelta myrae*, *Muricanthus callidinus*, and *Pleuroliria artia*) are those given by Dr. Berry in the "*Leaflets*." The length dimension of the holotypes of the other three species, not given by Dr. Berry, are those of the author.

**Table 1:** A Summary of the Cephalopod Species Described by S. Stillman Berry in his "Leaflets"

Species	Year/Page	Type	Repository	Type locality
<i>alecto</i> , <i>Octopus</i>	1953:56-57	H P P	USNM 815707 - 1♂ USNM 815708 - 1♀ USNM 816381 - 1♂	South of Estero Soldado, Sonora, México
<i>californiana</i> , <i>Opisthoteuthis</i>	1949:23-26	H P	CAS 021666 - 1♀ USNM 816426 - 1♀	off Eureka Bar, California
<i>fitchi</i> , <i>Octopus</i>	1953:54-55	H P P P P	USNM 815713 - 1♂ USNM 815714 - 1♂, 1♀ USNM 815715 - 5♂, 2♀ USNM 816591 - 6♂, 15♀ CAS 024044 - 1♀	Punta San Felipe, Baja California, México
<i>hubbsorum</i> , <i>Octopus</i>	1953:53-54	H P P	USNM 816360 - 1♂ USNM 816400 - 1♀ USNM 816480 - 1♂	Outer Bahía San Carlos, Sonora, México
<i>micropyrsus</i> , <i>Octopus</i>	1953:52-53	H P P	USNM 815704 - 1♂ USNM 815705 - 1♂ USNM 815706 - 1♂	La Jolla, California
<i>penicillifer</i> , <i>Octopus</i>	1954:66	H	USNM 815717 - 1♂	Punta Arena, Baja California Sur, México
<i>rubescens</i> , <i>Octopus</i>	1953: 51-52	H P P P	USNM 815709 - 1♂ USNM 815710 - 1♀ USNM 815711 - 3♂, 5♀, 5 juv. USNM 815712 - 2♀	South Coronado Island, Baja California, México
<i>veligero</i> , <i>Octopus</i>	1953:57	H P	USNM 815716 - 1♂ USNM 816432 - 2♀	San Juanico, Baja California, México

**Bibliography of Papers by S. Stillman Berry in Leaflets in Malacology**

1946. Californian forms of *Pedicularia*. 1(1): 1-4, 1 fig. (Nov. 4)
1947. A surprising molluscan discovery in Death Valley. 1(2): 5-8, 2 figs. (May 3)  
On the generic relationships of certain Lower Californian helicoid snails. 1(3): 9-12. (Oct. 1)
1948. Two misunderstood West American chitons. 1(4): 13-15. (Feb. 20)  
A note on Rowell's types in *Pupa* and *Gundlachia*. 1(4): 16. (Feb. 20)
1949. A new *Opisthoteuthis* from the Eastern Pacific. 1(6): 23-26. (June 13)
1950. A partial review of some West American species of *Crepidula*. 1(8): 35-40. (Nov. 14)  
A pteropod new to California. 1(8): 41-42. (Nov. 14)
1952. Another interesting addition to the Californian pteropod fauna. 1(9): 50. (July 10)
1953. Preliminary diagnoses of six West American species of *Octopus*. 1(10): 51-58. (Dec. 18)
1954. with Bruce W. Halstead, *Octopus* bites—a second report. 1(11): 59-65, 1 fig. (Jan. 28)  
*Octopus penicillifer*, new species. 1(11): 66. (Jan. 28)  
West American molluscan miscellany.--I. 1(11): 67-70. (July 9)
1956. Diagnoses of new Eastern Pacific chitons. 1(13): 71-74. (July 9)
1957. Notices of new Eastern Pacific Mollusca.--I. 1(14): 75-82. (July 19)
1958. Notices of new Eastern Pacific Mollusca.--II. 1(15): 83-90. (Mar. 28)  
West American molluscan miscellany.--II. 1(16): 91-98. (May 31)
1959. Comments on some of the trivariate muricines. 1(17): 106. (July 29)  
Notices of new Eastern Pacific Mollusca -- III. 1(18): 107-113. (July 29)

1959. Comments on some of the trivariolate muricines (cont'd). 1(18): 113-114. (July 29)  
1960. Notices of new Eastern Pacific Mollusca--IV. 1(19):115-122. (Dec. 31)  
1962. A note on *Cantharus*, with proposal of a new specific name. 1(20): 129-130. (Nov. 13)  
1963. Diagnoses of new Eastern Pacific chitons--II. 1(22): 135-138. (Mar. 29)  
Notices of new Eastern Pacific Mollusca--V. 1(23): 139-146. (Sept. 30)  
1964. Notices of new Eastern Pacific Mollusca--VI. 1(24): 147-154. (July 29)  
1968. Notices of new Eastern Pacific Mollusca--VII. 1(25): 155-158. (Sept. 26)  
1969. Notices of new Eastern Pacific Mollusca--VIII. 1(26): 159-166. (Dec. 17)

### Acknowledgments

I am indebted to many people for the help they gave me in the preparation of the original paper. Foremost of these are Forrest and the late Leroy Poorman who made their slides and note cards available as well as giving me background information for the project. The black and white prints and the original photographs of two of the type specimens were done by David K. Mulliner, to whom I record my special thanks.

My gratitude is extended to the following people who were kind enough to look for Berry type species in their respective institutions and provide me with catalogue numbers for those in their collections: Kenneth Boss and Carey Westermann (MCZ), William K. Emerson (AMNH), the late Joseph Rosewater (NMNH), Paul Valentich Scott (SBMNH), Robert Van Syoc (CAS), Solene Morris, then of the (BMNH), and Wim Vader (TM).

I thank Eric Hochberg (SBMNH) who looked for the Octopus types at Dr. Berry's home and who sent me detailed information on what he found. My thanks also to Mike Sweeney (NMNH) who was good enough to give me their catalogue numbers by phone when I belatedly realized I had neglected to request them.

Eugene Coan, Helen DuShane, A. Myra Keen and Barry Roth were kind enough to help in locating the type of *Cirsotrema pentedesmium* for which I am grateful, and James H. McLean and the late Gale Sphon graciously made the LACM collections available to me to check type species. Barry Roth and Robert Van Syoc also gave generously of their time during my visit to the CAS to confirm types in their collection and secure their new catalogue numbers.

My appreciation goes to the late Anthony D'Attilio and George Hanselman who advised me on the muricid and chiton species respectively. I am indebted to James H. McLean for his encouragement and for his review of the original paper. To the late Myra Keen who also reviewed the paper, offering helpful suggestions on the material deposited at Stanford University and on fine points in the text, I offer my sincere appreciation. More than anyone, my gratitude goes to Jules Hertz; he not only encouraged me in the project but assumed the roles of critic and proofreader. Without the help of these many people, that project could not have been undertaken and I am grateful to them for their assistance; however any errors in that paper are the responsibility of the author.

The original Berry supplement was prepared and published in 1984, before this author/editor knew that computers would ever enter her life. For this revision I am beholden to many people: Kim Hutsell of San Diego scanned the (1984) supplement, thus making the revision possible; my three friends in the Invertebrate Zoology Department of the SBMNH, Henry W. Chaney, F. G. (Eric) Hochberg and Paul Valentich Scott made the facilities of the Department and its collection available to me. Paul made a computer printout for me of all the Berry types from the "Leaflets" housed in the SBMNH, Henry helped locate literature, and Eric provided the cover photo. Mike Sweeney of the NMNH sent literature to me updating the cephalopod types in their collection and Carol Skoglund and Terry Arnold made literature available to me. Lastly I thank Suzanne Parlett who again designed the cover, this time using a photo of Dr. Berry with his cat, Purryboy, from the archives of the SBMNH.

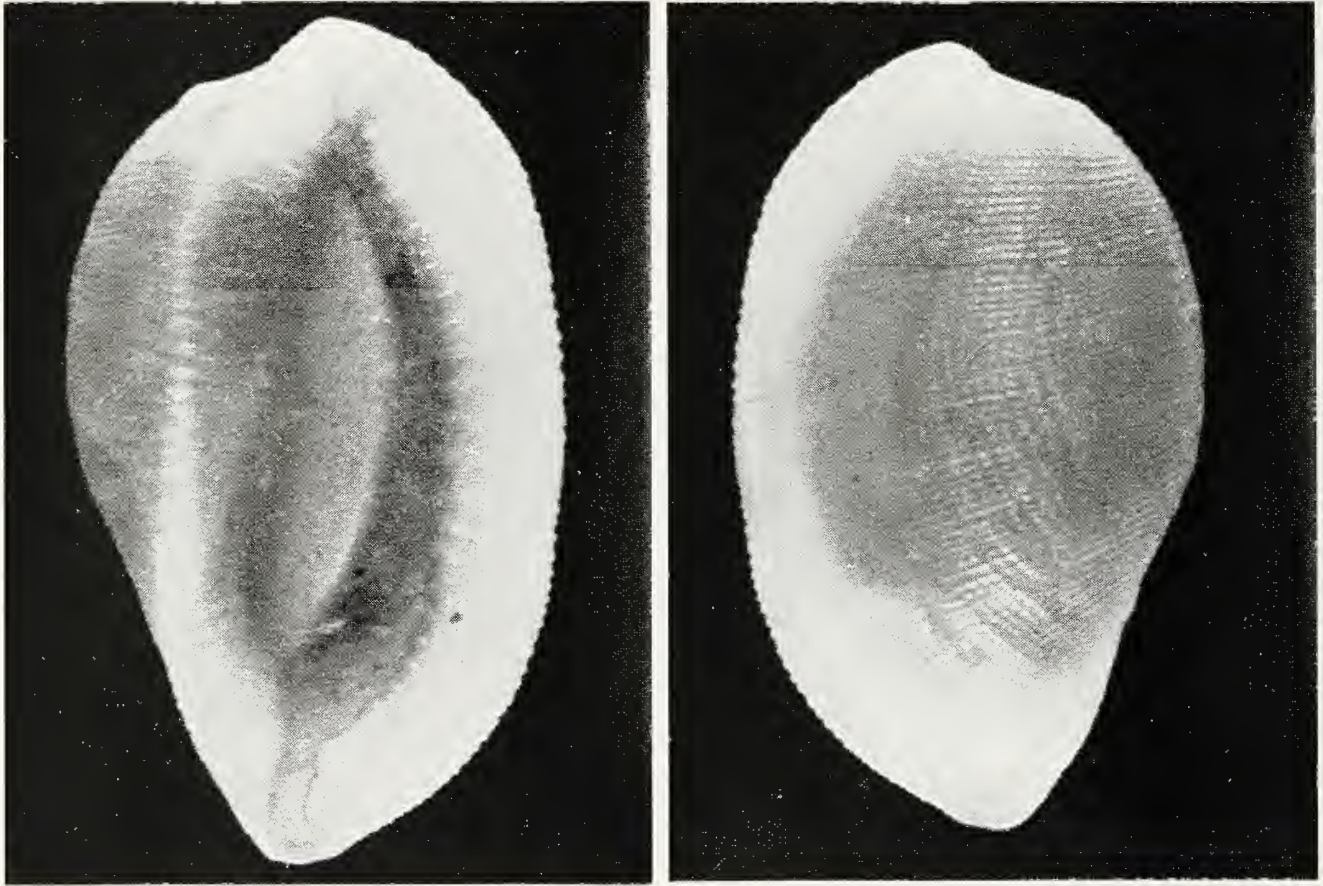


Figure 1. *Pedicularia (californica? phase or form?) ovuliformis* (interior and exterior) [P-SDNHM] 1946. 1(1): 3-4, fig. 1 (p.1) (Nov. 4)

Size: alt. 7.47; diam. 4.89 mm

Type loc.: Farnsworth Bank, off outer coast of Catalina Island, California, in 21 fm [38.4 m]

Holotype: CAS 043924

Paratypes: CAS 043925, 1 specimen and coral  
SBMNH 34527, 30 specimens [one specimen previously catalogued as SBMNH 10714]; 140186, 1 specimen  
SDNHM 65537, 2 specimens; 43475, 1 specimen [juvenile] and coral

[=*Pedicularia californica* Newcomb, 1864, *vide* Schmieder, 1980: 382-383; 1982: 272]

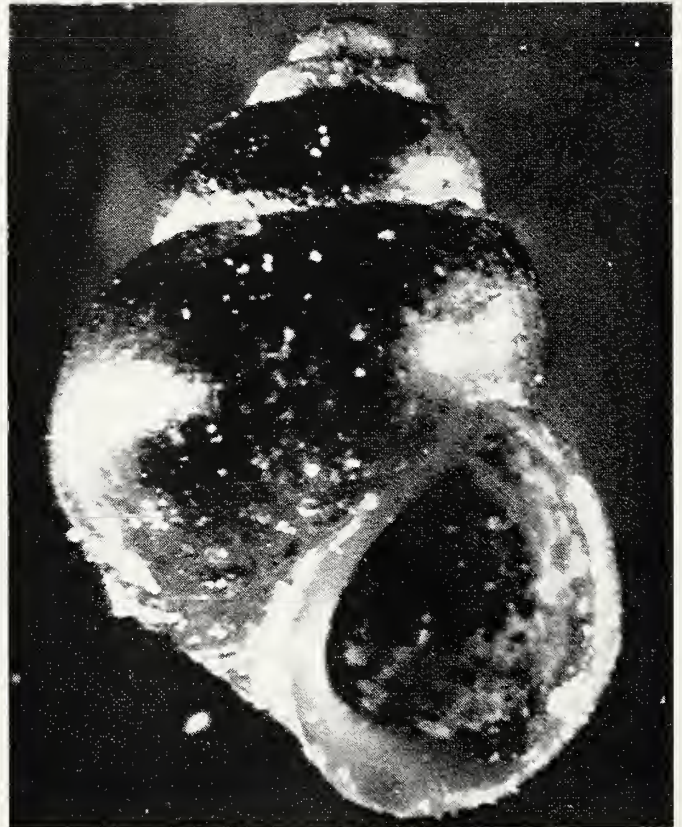
Figure 2. *Assiminea infima* [H] 1947. 1(2): 5-8, figs. 1,2 (May 3)

Size: alt. 2.66; diam. 1.92 mm

Type loc.: Bad Water, -279.6 ft, [-85.2 m] Death Valley, Inyo County, California

Holotype: CAS 043916

Paratypes: CAS 043917, 3 specimens, 028021, 293 specimens [wet]; 18 specimens [dry]  
SBMNH 34528, 74 specimens  
SDNHM 43476, 2 specimens



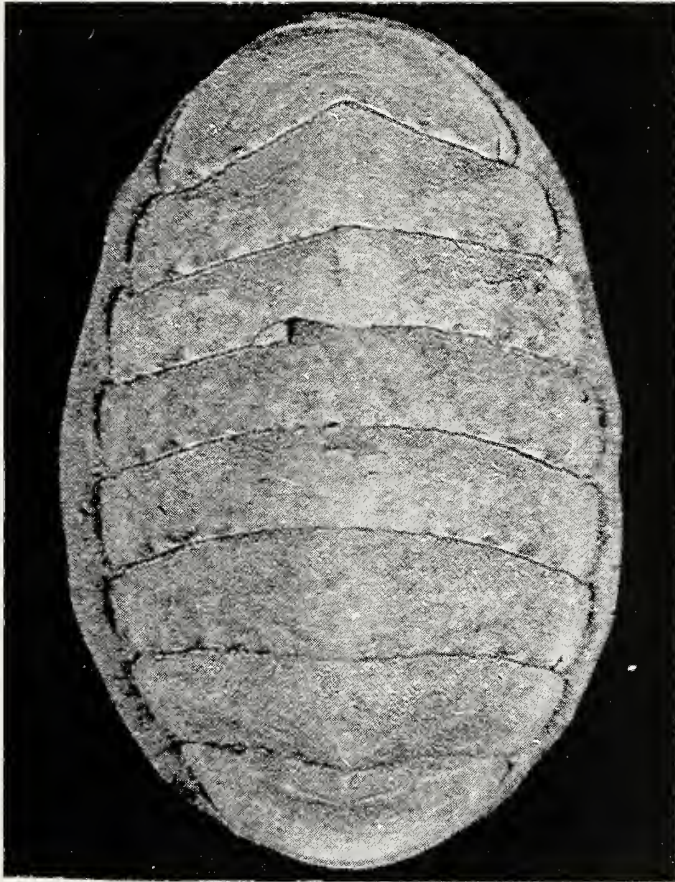


Figure 3. *Lepidochitona keepiana* [H]  
1948. 1(4): 14-15 (Feb. 20)

Size: long. 14.0; lat. 9.0 mm  
Type loc.: Newport Bay, Orange County, California  
Holotype: SBMNH 34420 [articulated]  
Paratypes: CAS 043941 [ex SU 7870], 1 specimen  
SBMNH 34421, 7 specimens [5 articulated, 2 partially disarticulated]  
SDNHM 63264, 1 specimen; 44094, 1 specimen  
USNM 606755, 1 specimen

[= *Lepidochitona dentiens* Berry, 1922, non Gould, 1846; = *Ischnochiton (Trachydermon) dentiens* Pilsbry, 1892, non Gould, 1846 fide Ferreira, 1982: 107, 1983: 307; Eernisse, 1986: 26]

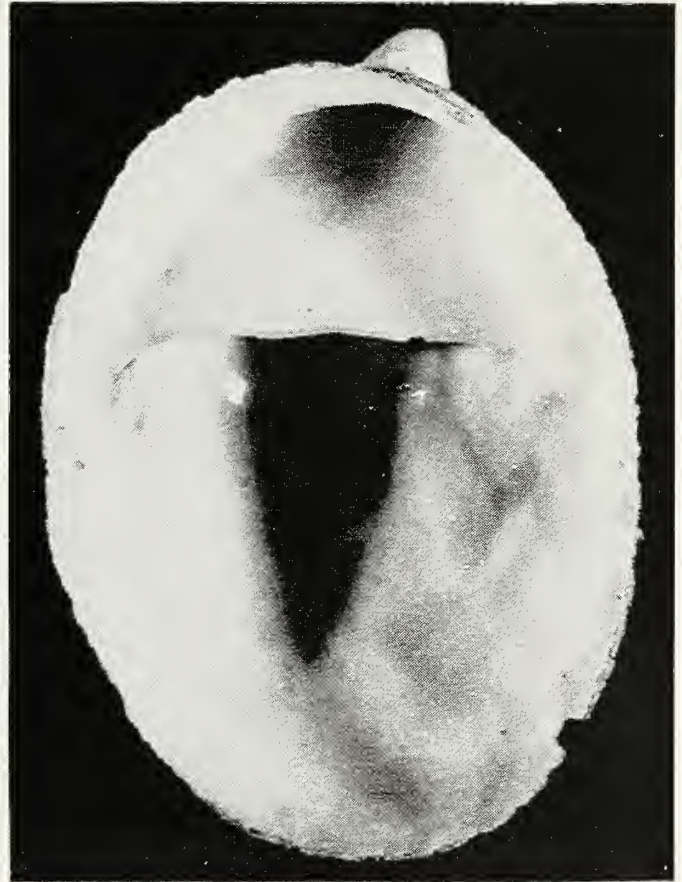


Figure 4. *Crepidula coei* [H].  
1950. 1(8): 35-38 (Nov. 14)

Size: long. 21.7; lat. 15.1; alt. 10.2 mm  
Type loc.: vicinity of Sunset Beach area, Orange County, California  
Holotype: CAS 036323 [ex SU 9721]  
Paratypes: LACM 1008, 1 specimen  
MCZ 199666, 1 specimen  
SBMNH 34532, 5 specimens  
SDNHM 12716, 1 specimen; 65483, 1 specimen  
USNM 606755, 1 specimen

[= *Crepidula (Crepidula) incurva* (Broderip, 1834), fide Abbott, 1974: 142; = *C. naticarum* Williamson, 1905), fide Hoagland, 1977: 383]

Figure 5. *Barbatia (Acar) rostrae* [H]  
1954. 1(12): 67-69 (July 1)

Size: long. 21.6; alt. 12.8; lat. 11.3 mm  
Type loc.: Mazatlán, Sinaloa, México  
Holotype: CAS 043983 [ex SU 7856], both valves  
Paratypes: SBMNH 34036, 16 specimens  
MCZ 200053, 1 specimen  
TM 11979, (possible paratype, one specimen)

[=*Barbatia (Acar) gradata* (Broderip & Sowerby, 1829), *fide* Abbott, 1974: 422; =*Barbatia rostrae* Berry a valid species, *fide* Bernard, 1983: 15]

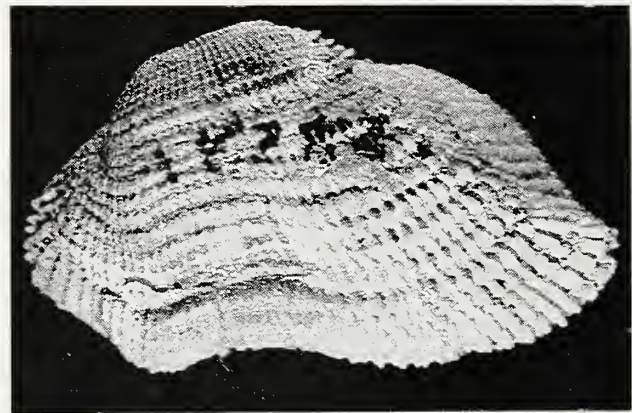


Figure 6. *Nuttallina crossota* [H]  
1956. 1(13): 71-72 (July 9)

Size: long. 9.4; lat. 4.3; alt. 2.0 mm [altitude measurement not specified as that of the holotype]  
Type loc.: Puerto Peñasco, Sonora, México, W end of long bight, reef and tide pools  
Holotype: SBMNH 34423 (articulated)  
Paratypes: CAS 0439391, 1 specimen  
SBMNH 34424, 13 specimens [12 articulated, 1 disarticulated]  
SDNHM 11398, 1 specimen [labeled "1251" on the foot]  
USNM 612207, 1 specimen



Figure 7. *Stenoplax circumsenta* [H]  
1956. 1(13): 72 (July 9)

Size: long. 20.0; lat. 6.8; alt. 2.8 mm  
Type loc.: W of Isla Concha, Scammon's Lagoon, Baja California Sur, México, on sand flats  
Holotype: SBMNH 34425 [articulated specimen]  
Paratypes: CAS 043938, 1 valve  
USNM 612206, valve #6  
SBMNH 34491, 1 specimen [partially disarticulated]  
[=*Stenoplax corrugata* (Carpenter in Pilsbry, 1892), *fide* Ferreira, 1983: 313; *S. circumsenta* a valid species *fide* Kaas & Van Belle, 1987: 150]

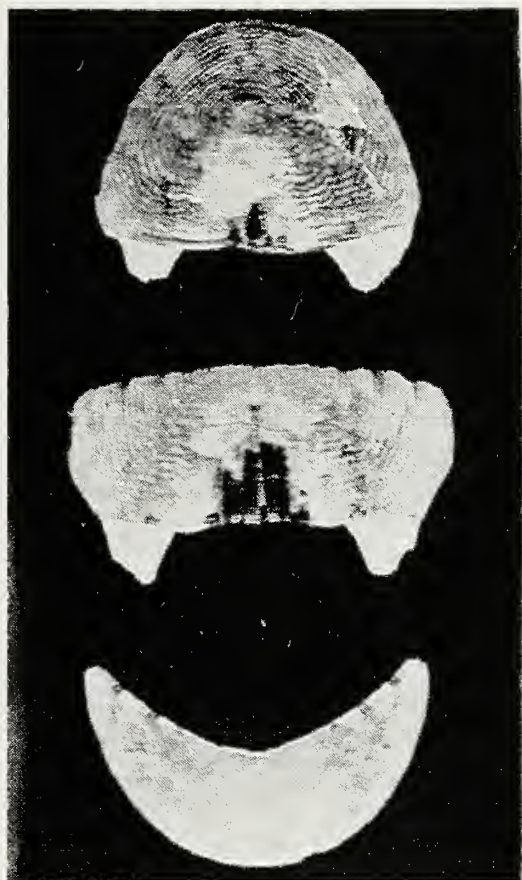


Figure 8. *Stenoplax isoglypta* [H]  
1956. 1(13): 72-73 (July 9)

Size: long. ca. 16.8; lat. 7.5 mm [measurement not specified as that of the holotype]

Type loc.: Isla Isabel, Perú

Holotype: USNM 612205, valve #6  
SBMNH 34426, 6 valves + 1 dried body  
CAS 043940, 1 valve

[=*Radsella rugulata* (Sowerby, 1832), *fide* Thorpe in Keen, 1971: 869; = *Stenoplax rugulata* (Sowerby, 1832), *fide* Abbott, 1974: 397; = ?*Ischnochiton isoglypta*, *fide* Hanselman, 1983 (pers. comm.) = *Stenoplax* (*Stenoplax*) *boogi* (Haddon, 1886), *fide* Kaas & Van Belle, 1987: 144]

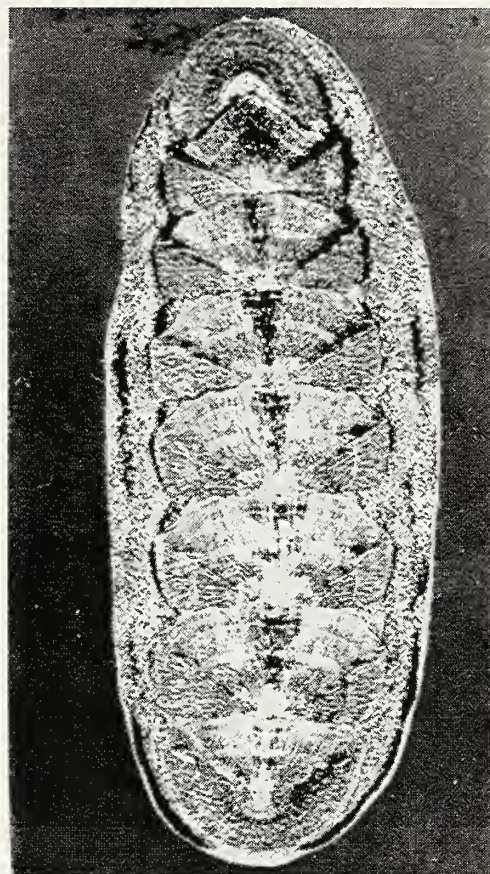


Figure 9. *Stenoplax* (*Maugerella*) *conspicua sonorana* [H]  
1956. 1(13): 73-74 (July 9)

Size: long. 54.6; lat. 21; alt. 6.4 mm

Type loc.: Puerto Peñasco, Sonora, México; W end of bight in tidepools and on reef

Holotype: SBMNH 34427 [articulated]  
Paratypes: CAS 043942 [ex SU 8647], 2 specimens  
SBMNH 34427, 2 specimen [articulated]; 34428, 14 specimens [articulated]; 34429, 4 specimens [3 articulated, 1 disarticulated]; 34430, 4 specimens [articulated]; 34431, 11 specimens [10 articulated, 1 disarticulated]  
SDNHM 49298, 8 valves and body dried separately  
USNM 612209, 3 specimens

[=*Stenoplax conspicua sonorana*, *fide* Thorpe in Keen, 1971: 871; = *S.* (*Stenoplax*) *sonorana* (Berry), *fide* Kaas & Van Belle, 1987: 133]

Figure 10. *Lepidozona subtilis* [H]  
1956. 1(13): 74 (July 9)

Size: long. 13.2; lat. 8.0; alt. 2.4 mm  
Type loc.: Puerto Peñasco, Sonora, México, W end of bight in  
tide pools  
Holotype: SBMNH 34432 [articulated]  
Paratypes: CAS 043943, 2 specimens  
SBMNH 34433, 13 specimens [articulated]; 34434,  
33 specimens [articulated]  
SDNHM 11399, 5 specimens  
USNM 612208, 5 specimens

[= *Lepidozona (Lepidozona) subtilis*, fide Kaas & Van Belle 1987:  
210]

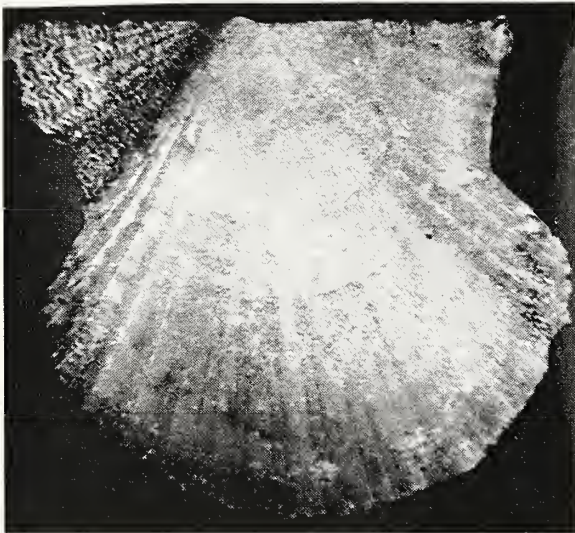


Figure 11. *Pecten (Leptopecten) euterpes* [H]  
1957. 1(14): 75-76 (July 19)

Size: long. 7.4; alt. 7.1; diam. 2.0 mm  
Type loc.: off Acapulco, Guerrero, México, in 6-10 fm  
[9-18 m]  
Holotype: CAS 043977, both valves [ex SU 8505]  
Paratype: SBMNH 34034, 1 specimen  
[= *Leptopecten (Leptopecten) euterpes* (Berry), fide Keen, 1971:  
91; Bernard, 1983: 25]

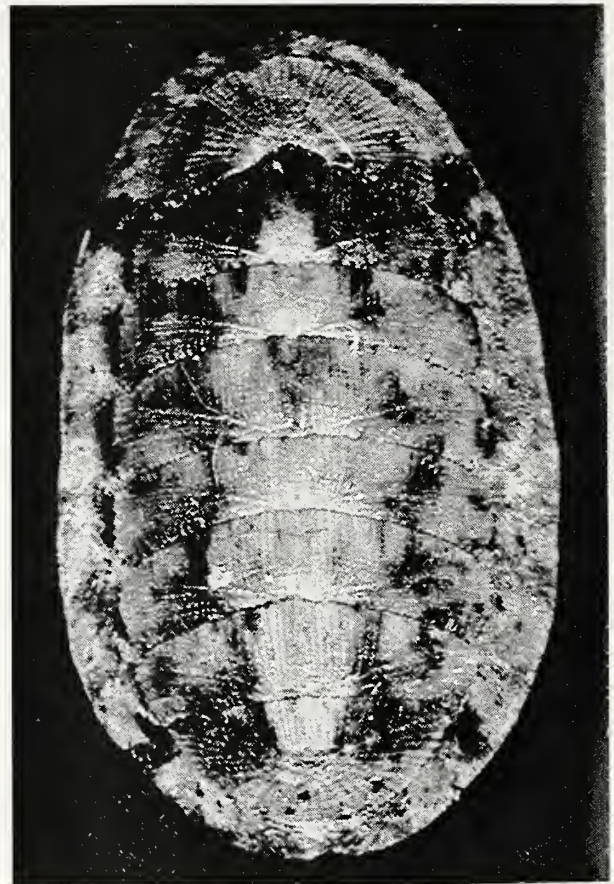


Figure 12. *Lithophaga (Labis) attenuata rogersi* [H]  
1957. 1(14): 76 (July 19)

Size: long. 71.6; of shell only 62.8 mm  
Type loc.: Cholla Cove, outer reefs, Bahía de Adair, Sonora,  
México  
Holotype: CAS 032072 [ex SU 8506], [both valves]  
Paratypes: LACM 1117, 6 specimens  
SBMNH 01726, 1 specimen [1 other specimen  
missing or listed in error in Sphon, 1966 (Scott,  
pers. comm)]; 35024, 5 specimens; 34035, 7  
specimens

[= *Lithophaga rogersi*, fide Bernard, 1983: 21; = *Lithophaga (L.)  
attenuata* (Deshayes, 1836), fide Kleeman, 1983: 3, 21]





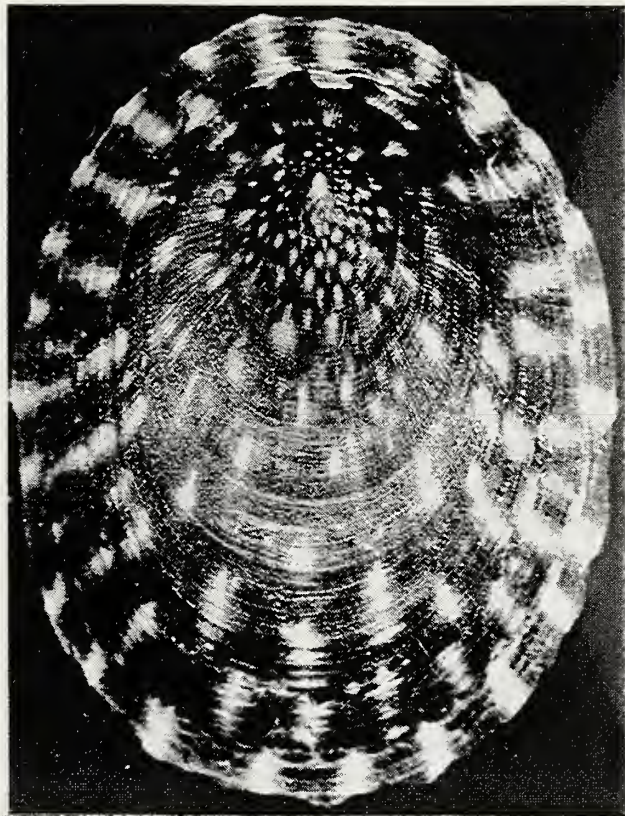


Figure 13. *"Acmaea" stanfordiana* [H]  
1957. 1(14): 76-77 (July 19)

Size: long. 27.4; lat. 21.2; alt. 4.2 mm  
Type loc.: Pelican Point, Sonora, México, S side, mid-tidal rocks  
Holotype: CAS 043932 [ex SU 8507]  
Paratypes: LACM 1012, 3 specimens  
SBMNH 34674, 30 specimens; 34675, 1 specimen  
[= *Collisella stanfordiana* (Berry), *fide* McLean in Keen, 1971: 325;  
= *Acmaea (Nomaepelta) stanfordiana* Berry, *fide* Abbott, 1974: 34; =  
*Lottia stanfordiana* (Berry), *fide* Lindberg, 1986: 142]

Figure 15. *Turritella anactor* [H]  
1957. 1(14): 78 (July 19)

Size: alt. 122+; diam. 30.4 mm  
Type loc.: mud flat 8-12 mi. [13-19 km] N of San Felipe, Baja California, México,  
Holotype: CAS 043987  
Paratypes: AMNH 106035, 1 specimen  
CAS 043988, 1 specimen  
LACM 1447, 1 specimen  
SBMNH 11963, 16 specimens; 11964, 26 specimens; 34561, 1 specimen; 34562, 1 specimen; 34563, 19 specimens; 34564, 19 specimens; 35469, 2 specimens; 50945, [lost]  
SDNHM 12005, 2 specimens



Figure 14. *Astraea guadalupeana* [H]  
1957. 1(14): 77 (July 19)

Size: alt. 23.5; diam. (base) 29.7 mm  
Type loc.: off S end of Isla Guadalupe, Baja California, México, in 26.5 fm [48 m]  
Holotype: CAS 043914  
Paratypes: SBMNH 34560; 21 specimens 34676, 1 specimen  
SDNHM 9082, 2 specimens and 1 operculum  
[= *Astraea gibberosa* (Dillwyn, 1817), *fide* McLean in Keen, 1971: 355; Abbott, 1974: 59-60]

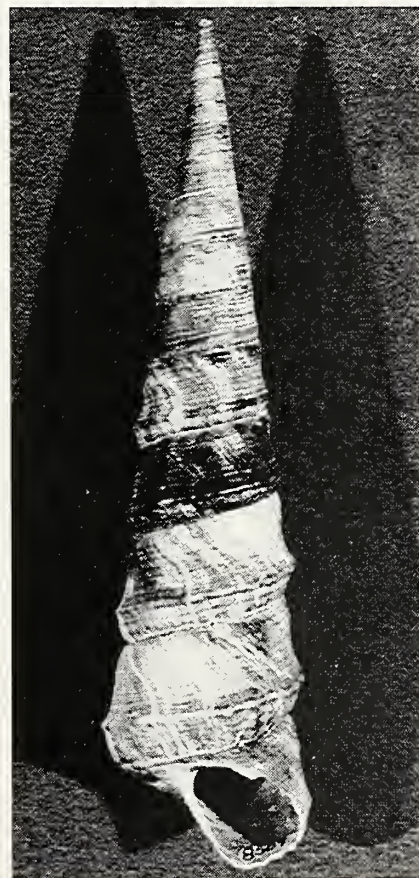




Figure 16. *Acanthina tyrianthina* [H]  
1957. 1(14): 78-79 (July 19)

Size: alt. 27.3; diam. 18.3 mm  
Type loc.: Man-of-War Cove, Bahía Magdalena, Baja California Sur, México  
Holotype: CAS 043935 [ex SU 8510]  
Paratypes: LACM 1007, 1 specimen  
SBMNH 34565, 39 specimens; 34566, 12 specimens; 34567, 3 specimens  
SDNHM 9085, 5 specimens

[=*Acanthina lugubris lugubris* (Sowerby, 1822), *fide* Wu, 1985: 52-54]



Figure 17. *Hanetia macrospira* [H]  
1957. 1(14): 79-80 (July 19)

Size: alt. 46.4; diam. 28.1 mm  
Type loc.: "Clam Beach" [Playa de Almejas], ca. 8 miles [13 km] N of San Felipe, Baja California, México  
Holotype: CAS 043920  
Paratypes: SBMNH 34568; 21 specimens; 34569, 12 specimens; 34570, 27 specimens; 34571, 7 specimens; 34572, 2 specimens  
SDNHM 9084, 2 specimens

[=*Solenosteira macrospira* (Berry), *fide* Keen, 1971: 563; =*Solenosteira* as a subgenus of *Cantharus* (Berry), *fide* Abbott, 1974: 220; Cernohorsky, 1975: 197]

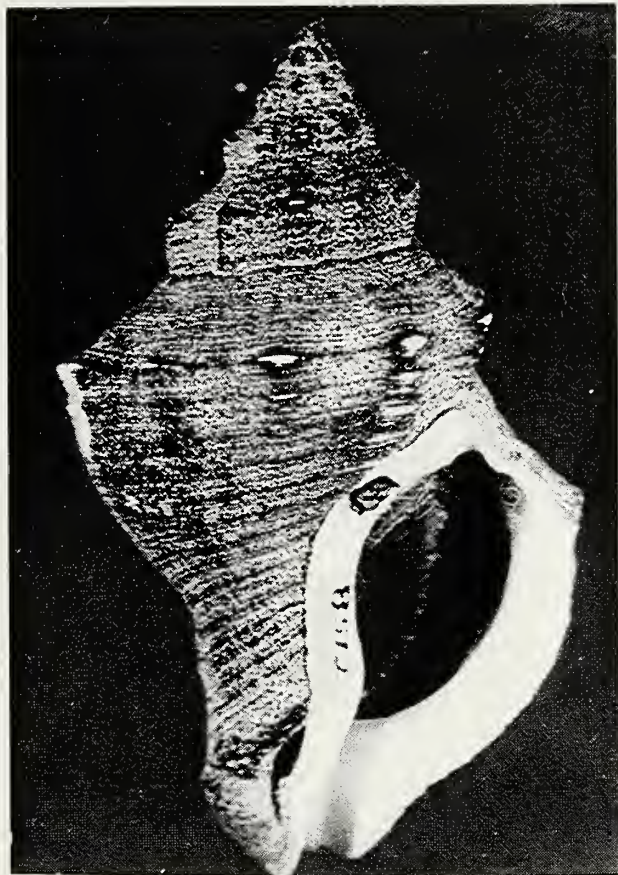


Figure 18. *Hanetia capitanea* [H]  
1957. 1(14): 80 (July 19)

Size: alt. 56.2; diam. 32.6 mm  
Type loc.: "Clam Beach" 8 mi [13 km] N of San Felipe, Baja California, México  
Holotype: CAS 043995 [SU 8512]  
Paratypes: SBMNH 34573, 1 specimen; 34574, 3 specimens; 34575, 1 specimen; 34576, 5 specimens; 34577, 4 specimens; 34578, 4 specimens

[=*Solenosteira capitanea* (Berry), *fide* Keen, 1971: 563; = *Cantharus pallidus* (Broderip & Sowerby, 1829), *fide* Abbott, 1974: 220; *Solenosteira* as a subgenus of *Cantharus*, *fide* Cernohorsky, 1975: 197]



Figure 19. *Mitra semiusta* [H]  
1957. 1(14): 80-81 (July 19)

Size: alt. 72.1; diam. 24.0 mm  
Type loc.: off Point Conception, Santa Barbara County, California, in 15 m, diving  
Holotype: CAS 043929 [ex SU 8513]  
Paratypes: SBMNH; 34579, 10 specimens [1 specimen previously catalogued as 06272]; 34580, 14 specimens; 34581, 9 specimens; SDNHM 9088, 2 specimens

[=*Mitra idae* Melvill, 1893, *fide* Abbott, 1974: 237; Cernohorsky, 1991: 363; Salisbury, 1992b: 10]



Figure 20. *Pleuroliria parthenia* [H]  
1957. 1(14): 81-82 (July 19)

Size: alt. 30.4; diam. 8.5 mm  
Type loc.: off Isla Tortugas, Golfo de  
Nicoya, Costa Rica,  
dredged in 1 fm [1.8 m]

Holotype: CAS 043926 [ex SU 8514]  
Paratypes: SBMNH 34582, 3 specimens  
SDNHM 9090, 1 specimen

[=*Polystira oxytropis* (Sowerby, 1834), *fide*  
McLean in Keen, 1971: 708; *Polystira*  
*parthenia* (Berry) a valid species, *fide* Abbott,  
1974: 267]

Figure 21. *Pleuroliria artia* [H]  
1957. 1(14): 82 (July 19)

Size: alt. 35.0 mm  
Type loc.: off Isla Angel de la Guarda,  
Golfo de California, México, in  
67 fm [123 m]

Holotype: CAS 043989  
Paratypes: SBMNH 34583, 14 specimens  
SDNHM 9083, 3 specimens

[=*Polystira oxytropis* (Sowerby, 1834), *fide*  
McLean in Keen, 1971: 708; *Polystira artia*  
(Berry) a valid species, *fide* Abbott, 1974:  
267]

Figure 22. *Tiphyocerma preposterum* [H]  
1958. 1(15): 83-84 (Mar. 28)

Size: alt. 3.14; diam. 1.50 mm  
Type loc.: Puerto Peñasco, Sonora,  
México, reef at W end of bight

Holotype: SBMNH 34585  
[=*Rissoina (Tiphyocerma) preposterum*, *fide*  
Keen, 1971: 375 = *Zebina (Tiphyocerma)*  
*preposterum*, *fide* Ponder, 1985: 89]



Figure 23. *Muricanthus callidinus* [H]  
1958. 1(15): 84 (Mar. 28)

Size: alt. 82.45 mm  
Type loc.: Bahía Culebra, Costa Rica  
Holotype: CAS 043992  
Paratypes: SBMNH 34586, 1 specimen; 34587, 10 specimens  
[=*Muricanthus radix* (Gmelin, 1791), *fide* Radwin & D'Attilio, 1976: 7, D'Attilio, 1981: 13; a valid species, *fide* Vokes, 1983: 25;  
= *Hexaplex (Muricanthus) callidinus*, *fide* Vokes, 1983: 11 = *Hexaplex ambiguus* (Reeve, 1845), *fide* Vokes, 1988: 25]

Figure 25. *Olivella (Macgintia) walkeri* [H]  
1958. 1(15): 85-86 (Mar. 28)

Size: alt. 10.5; diam. 5.2 mm  
Type loc.: first large bay W of Las Tetas de Cabra, Sonora, México, in 5 fm [9 m]  
Holotype: SBMNH 34590  
[=*Olivella (Olivella) walkeri*, *fide* Keen, 1971: 629]



Figure 24. *Olivella (Olivella) fletcheriae* [H]  
1958. 1(15): 85 (Mar. 28)

Size: alt. 9.6; diam. 3.5 mm  
Type loc.: Cholla Cove, Bahía de Adair, Sonora, México  
Holotype: CAS 043911  
Paratypes: SBMNH 34588, 66 specimens; 34589, 10 specimens

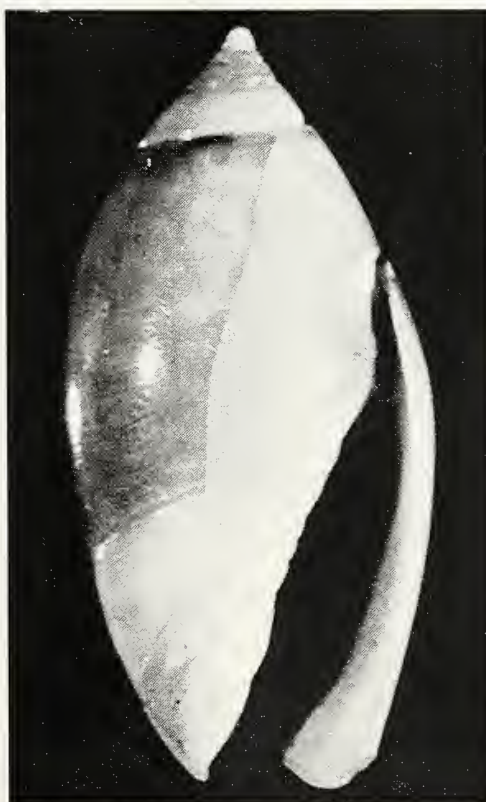




Figure 26. *Gemmula hindsiana* [H]  
1958. 1(15): 86 (Mar. 28)

Size: alt. 18.0; diam. 5.3 mm  
Type loc.: "Probably off San Jose Id.  
Gulf of California ("Orca")"  
Holotype: SDNHM 47501  
Paratype: SBMNH 34591, 1 specimen



Figure 27. *Tiariturris spectabilis* [H]  
1958. 1(15): 87 (Mar. 28)

Size: alt. 62.6; diam. 19.7 mm  
Type loc.: off Isla Angel de la Guarda,  
Baja California, México  
Holotype: SDNHM 98600  
[=*Tiariturris* as a subgenus of *Hormospira*,  
*fide* Abbott, 1974: 262]



Figure 28. *Knefastia walkeri* [H]  
1958. 1(15): 87-88 (Mar. 28)

Size: alt. 67.3+; diam. 23.1 mm  
Type loc.: off Isla Angel de la Guarda,  
Baja California, México  
Holotype: CAS 043937



Figure 29. *Turrigemma torquifer* [H]  
1958. 1(15): 88-89 (Mar. 28)

Size: alt. 39.2; diam. 12.0 mm  
Type loc.: off Puerto Refugio, Isla Angel  
de la Guarda, Baja California,  
México

Holotype: SBMNH 34592  
[=*Hindsiclava* Olsson, 1964: 96; Emerson &  
Radwin, 1969: 149; = *Hindsiclava*  
*andromeda* (Dall, 1919), *fide* McLean in  
Keen, 1971: 724]

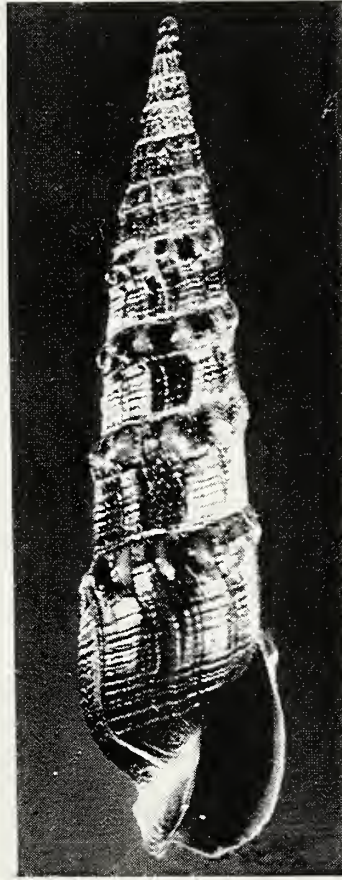


Figure 30. *Terebra (Strioterebrum) fitchi* [H]  
1958. 1(15): 89-90 (Mar. 28)

Size: alt. 34.3; diam. 7.9 mm  
Type loc.: Bahía Santa Maria, Isla  
Magdalena, Baja California  
Sur, México, at lagoon entrance

Holotype: CAS 032108  
Paratypes: SBMNH 34593, 25 specimens  
[=*T. tiarella* Deshayes, 1857, *fide* Campbell  
1964: 132-138; Bratcher & Burch in Keen,  
1971: 684, Bratcher & Cernohorsky, 1987:  
141]



Figure 31. *Hertleinella leucostephes* [H]  
1958. 1(16): 95-96 (May 31)

Size: alt. 32.7; diam. 16.9 mm  
Type loc.: off east side of Isla Cedros ca  
2 miles [3 km] N of village,  
Baja California, México

Holotype: CAS 043918  
Paratype: SBMNH 34594, 1 specimen  
[=*Calotrophon turritus* (Dall, 1919), *fide*  
McLean & Emerson, 1970: 57-62; McLean in  
Keen, 1971: 530; *fide* Abbott, 1974: 188; =  
*C. (Calotrophon) turritus* (Dall), *fide* Keen &  
Coan, 1975: 30]

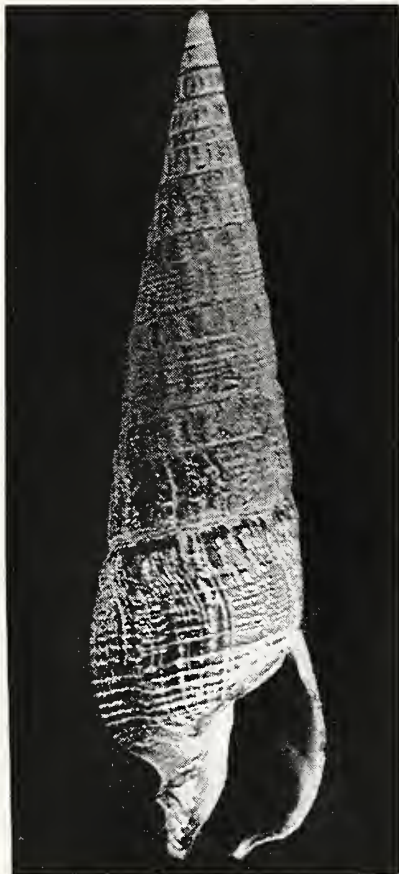


Figure 32. *Terebra (Strioterebrum) danai* [H]  
1958. 1(16): 96-97 (May 31)

Size: alt. 31.4; diam. 8.6 mm  
Type loc.: East San Pedro, California, at low tide  
Holotype: CAS 043909  
Paratype: LACM 1463, 1 specimen  
SBMNH 34595, 21 specimens

[= *Terebra hemphilli* Vanatta, 1924, *fide* Bratcher & Cernohorsky, 1987: 156]

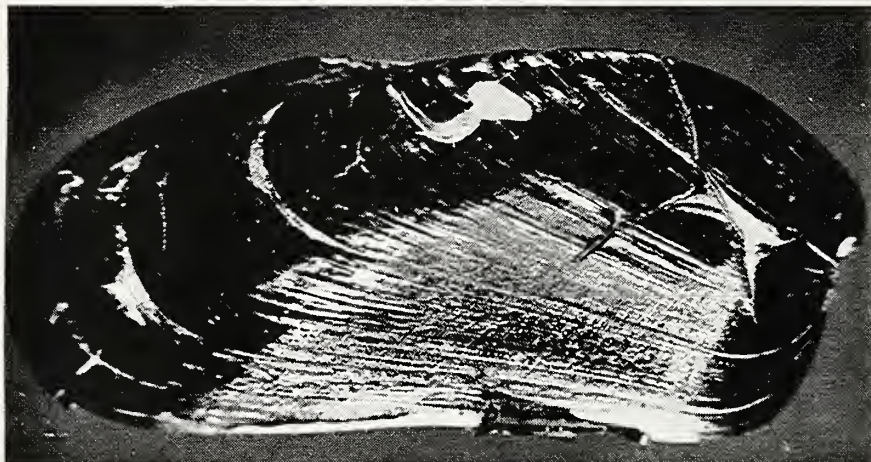


Figure 33. *Botula cylista* [H]  
1959. 1(18): 107 (July 29)

Size: long. 26.0; alt. 12.0; diam. 13.6 mm  
Type loc.: rocks at Playa Las Gaviotas, Mazatlán, Sinaloa, México, boring in *Ostrea iridescens*  
Holotype: CAS 043975, both valves  
Paratypes: SBMNH 34010, 19 specimens  
SDNHM 42803, 1 specimen  
[= *Botula fusca* (Gmelin, 1791), *fide* Bernard, 1983: 19]

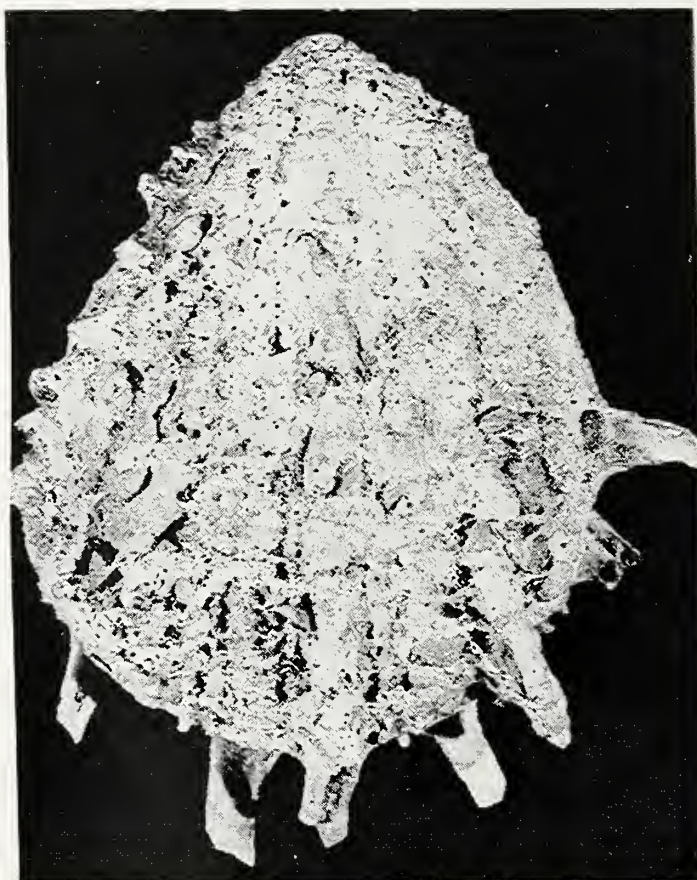


Figure 34. *Spondylus ursipes* [H]  
1959. 1(18): 107-108 (July 29)

Size: alt. 126; long. 98 mm  
Type loc.: Puerto Refugio, Isla Angel de la Guarda, Baja California, México, in ca. 20 m  
Holotype: CAS 043984, both valves  
Paratypes: SBMNH 34011, 1 specimen; 34012, 1 specimen;  
[= *Spondylus calcifer* Carpenter, 1857, *fide* Abbott, 1974: 451; = *Spondylus ursipes* Berry, *fide* Bernard, 1983: 27; = *Spondylus leucacanthus* Broderip, 1833, *fide* Skoglund & Mulliner, 1996: 96]





Figure 35. *Galeomma (Lepiroides?) mexicanum*  
1959. 1(18): 108-109 (July 29)

Size: long. 5.9; alt. 3.7 mm  
Type loc.: Bahía San Luis Gonzaga, Baja California, México, in  
3-4 fm [5-7 m] dredged  
Holotype: CAS 043981, right valve  
Paratypes: SBMNH 34013, 3 valves  
SDNHM 42813, 1 valve  
[=*Tryphomax mexicanus*, fide Keen, 1971: 135; Bernard, 1983: 30]

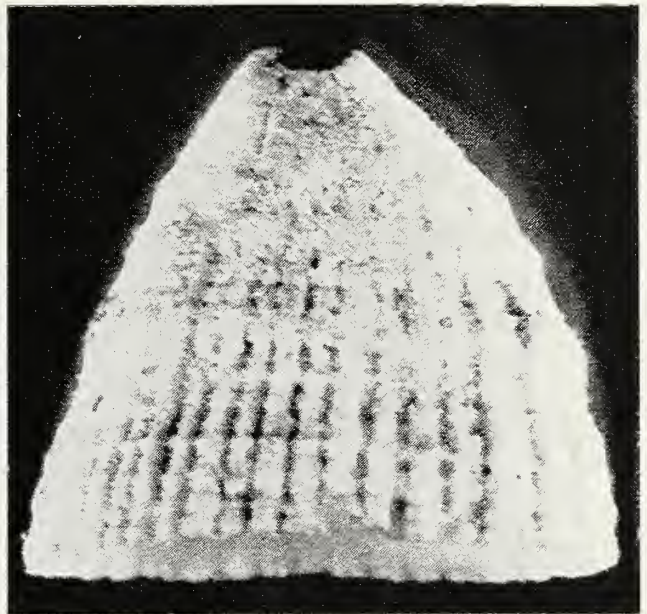


Figure 36. *Diodora pusilla* [H]  
1959. 1(18): 109 (July 29)

Size: long. 3.8; lat. 2.5; alt. 3.6 mm  
Type loc.: off Acapulco, Guerrero, México; in 6-10 fm [11-18  
m]  
Holotype: CAS 043928  
Paratypes: LACM 1721, 1 specimen  
SBMNH 34596, 219 specimens  
SDNHM 42804, 3 specimens

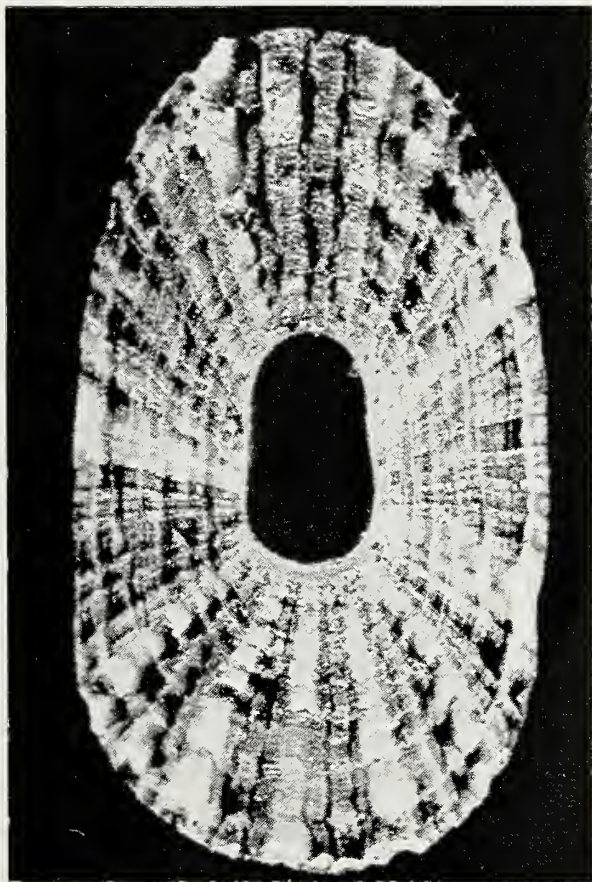


Figure 37. *Lucapinella milleri* [H]  
1959. 1(18): 109 (July 29)

Size: long. 8.6; lat. 4.6 mm  
Type loc.: Puertecitos, Baja California, México  
Holotype: CAS 036324  
Paratypes: SBMNH 34597, 5 specimens  
SDNHM 42811, 1 specimen

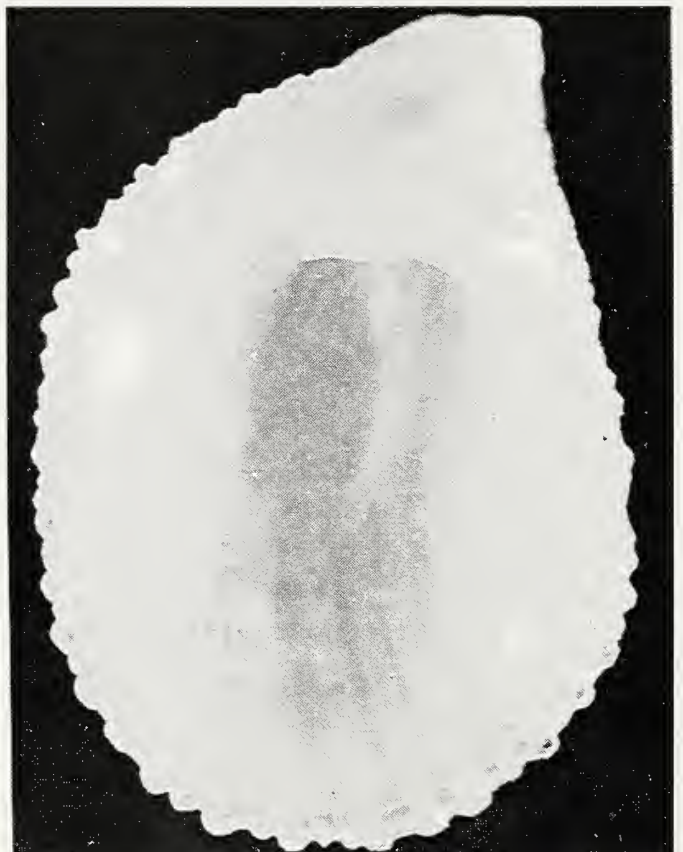
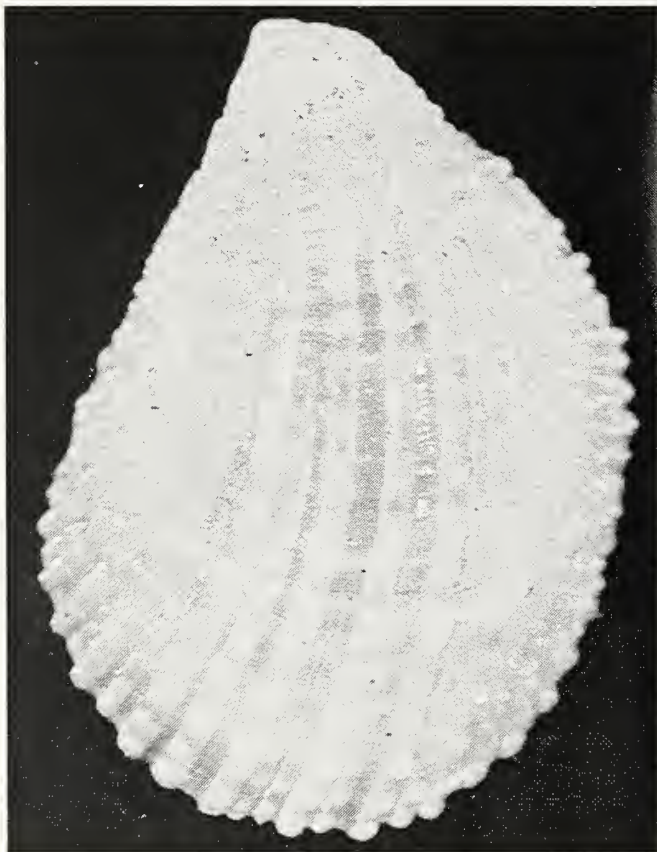
Figure 38. *Nomaeopelta myrae* [H]  
1959. 1(18): 109-110 (July 29)

Size: long. 15+ mm  
Type loc.: Playa Las Gaviotas, near Mazatlán, Sinaloa, México,  
on rocks  
Holotype: CAS 043923  
Paratypes: SBMNH 34598, 22 specimens  
SDNHM 42898, 3 specimens  
[=*Notoacmaea fascicularis* (Menke, 1851), *fide* McLean in Keen,  
1971: 327; =*Tectura fascicularis* (Menke), *fide* Lindberg, 1986: 145-  
146]



Figure 39. Exterior and interior of *Thyca (Bessomia) callista* [H]  
1959. 1(18): 110-111 (July 29)

Size: long. 7.4; lat. 5.4; alt. 3.1 mm  
Type loc.: Bahía San Carlos, Sonora, México, in 3-4 fm [5-7 m],  
parasitic on the starfish *Phataria unifascialis*  
Holotype: LACM 1120  
Paratype: CAS 043993, 1 specimen  
SBMNH 34599, 1 specimen



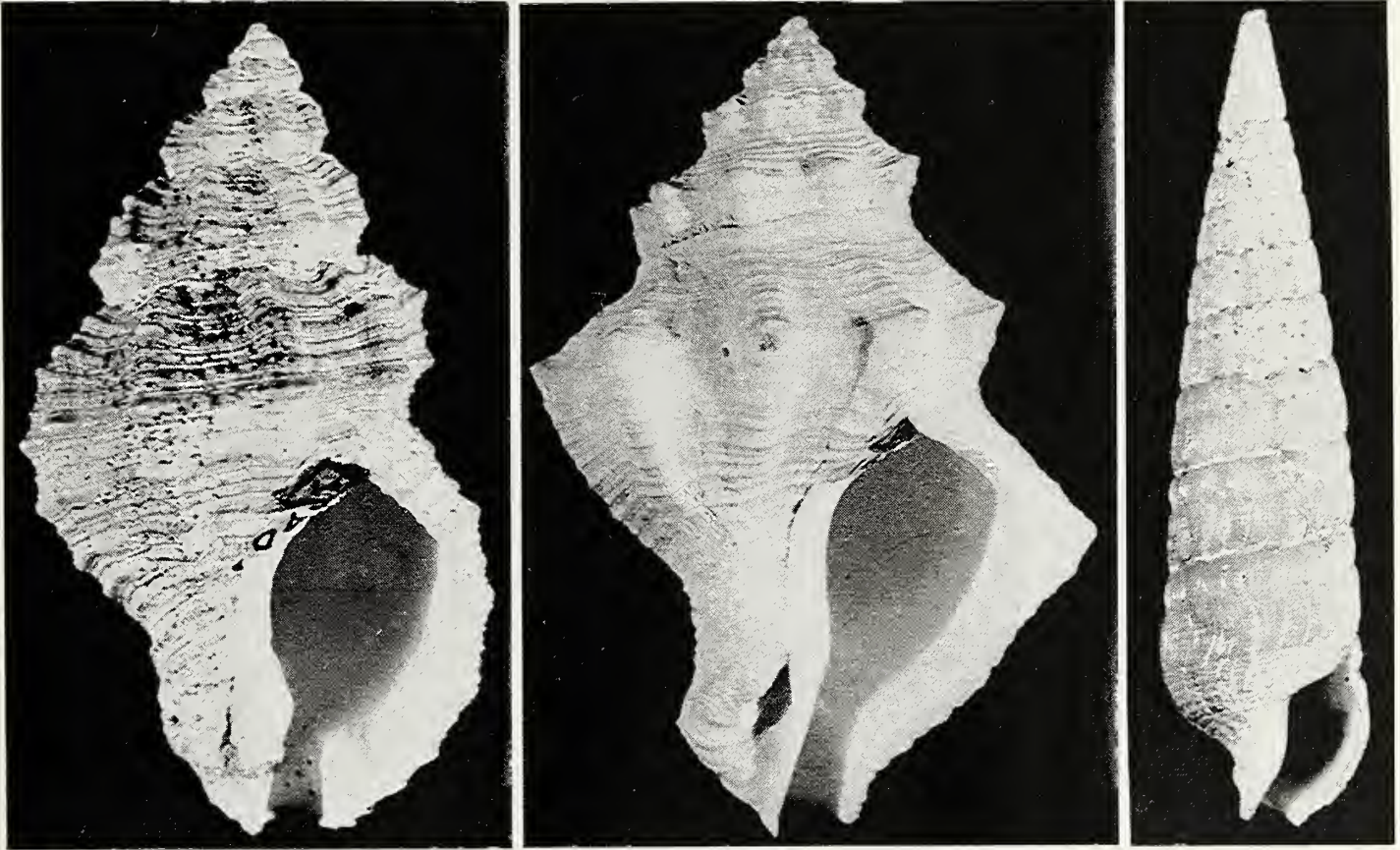


Figure 40. *Cantharus shaskyi* [H]  
1959. 1(18): 111 (July 29)

Size: alt. 44.1; diam. 24.6 mm  
Type loc.: near Guaymas, Sonora,  
México, from shrimpers, in  
moderate depths  
Holotype: CAS 043930  
Paratype: SBMNH 34600, 1 specimen

Figure 41. *Hanetia mendozana* [H]  
1959. 1(18): 111-112 (July 29)

Size: alt. 61.8; diam. 41.3 mm  
Type loc.: region of Bahía Magdalena,  
Baja California Sur, México, in  
10-25 fm [18-46 m]  
Holotype: CAS 043921  
Paratypes: SBMNH 34601, 4 specimens  
SDNHM 42805, 1 specimen  
[=*Solenosteira mendozana*, fide Keen, 1971:  
563; = *Solenosteira* as a subgenus of  
*Cantharus* (Berry), fide Abbott, 1974: 220]

Figure 42. *Terebra (Strioterebrum)*  
*puncturosa* [H]  
1959. 1(18): 112-113 (July 29)

Size: alt. 30.3; diam. 7.5 mm  
Type loc.: Bahía Santa Maria, Isla  
Magdalena, Baja California Sur,  
México  
Holotype: SDNHM 45962  
[=*Terebra puncturosa*, fide Bratcher &  
Cernohorsky, 1987: 158]

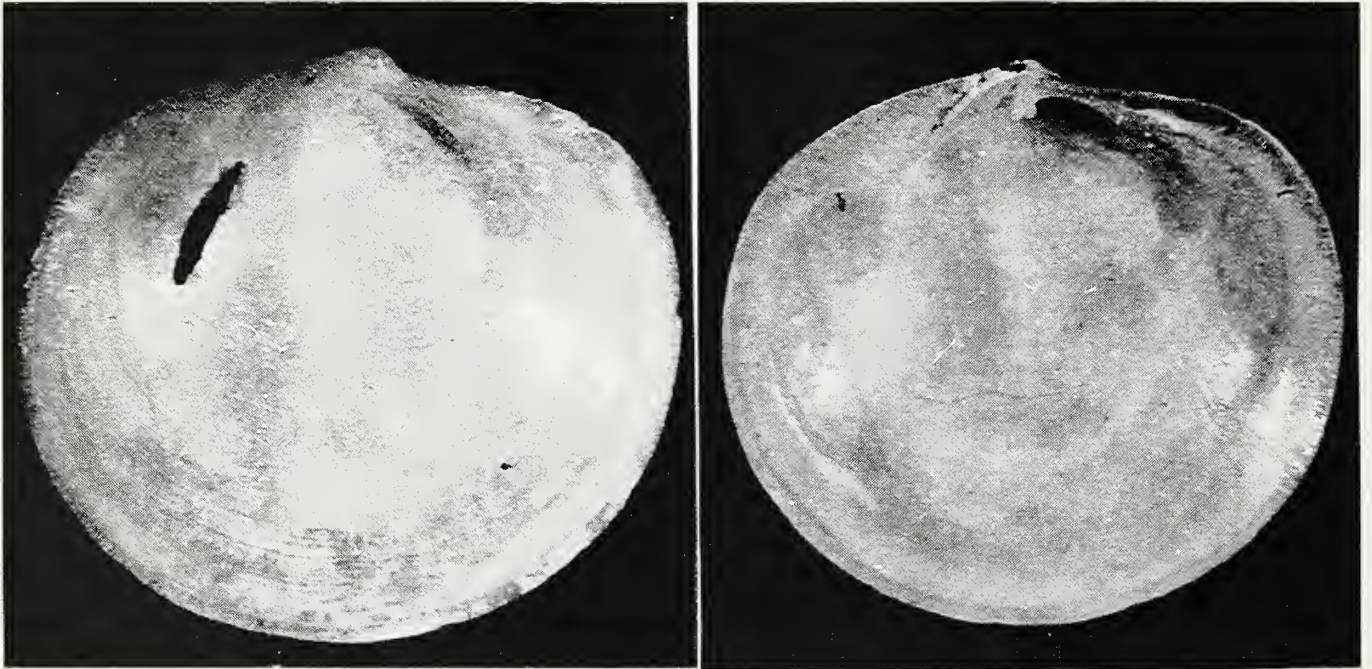


Figure 43. *Pegmapex phoebe* [H], (interior and exterior of left valve)  
1960. 1(19): 115 (Dec. 31)

Size: long. 6.07; alt. 5.4; diam. 2.7 mm

Type loc.: Playa Las Gaviotas, Mazatlán, Sinaloa,  
México

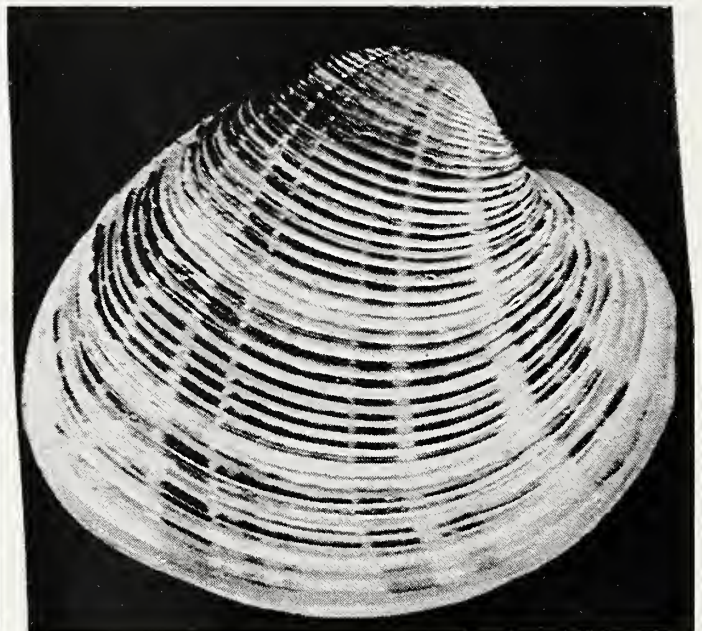
Holotype: CAS 043982, left valve  
SBMNH 34018, right valve

[= *Phlyctiderma (Pegmapex) phoebe*, fide Keen, 1971: 131]



Figure 44. *Pitar (Lamelliconcha) hesperius* [H]  
1960. 1(19): 115-116 (Dec. 31)

Size: long. 42.3; alt. 37.2; diam. 25.0 mm



Type loc.: Mazatlán area, Sinaloa, México, from shrimp  
fisherman

Holotype: CAS 043978, right valve  
SBMNH 34020, left valve

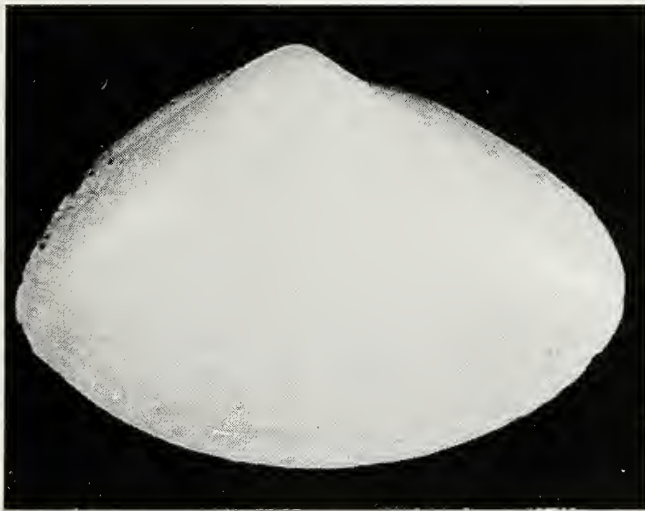


Figure 45. *Mactra (Mactra) williamsi* (right valve) [H]  
1960. 1(19): 116-117 (Dec. 31)

Size: long. 14.7; alt. 10.3; diam. 3.0 mm  
Type loc.: off La Libertad, Ecuador, in 10 fm [18 m]  
Holotype: CAS 043985, right valve  
Paratype: SBMNH 34019, left valve



Figure 46. "*Acmaea*" *acutapex* [H]  
1960. 1(19): 117 (Dec. 31)

Size: long. 11.5; lat. 8.6; alt. 5.3 mm  
Type loc.: Punta Cholla, W of Puerto Peñasco, Sonora, México  
Holotype: CAS 043986  
Paratypes: LACM 1876, 4 specimens  
SBMNH 34602, 77 specimens; 34603, 24 specimens  
SDNHM 42809, 5 specimens

[= *Collisella acutapex*, fide McLean in Keen, 1971: 323; = *Acmaea* (*C.*) *acutapex* Berry, fide Abbott, 1974: 33; = *Lottia acutapex* (Berry), fide Lindberg, 1986: 145]

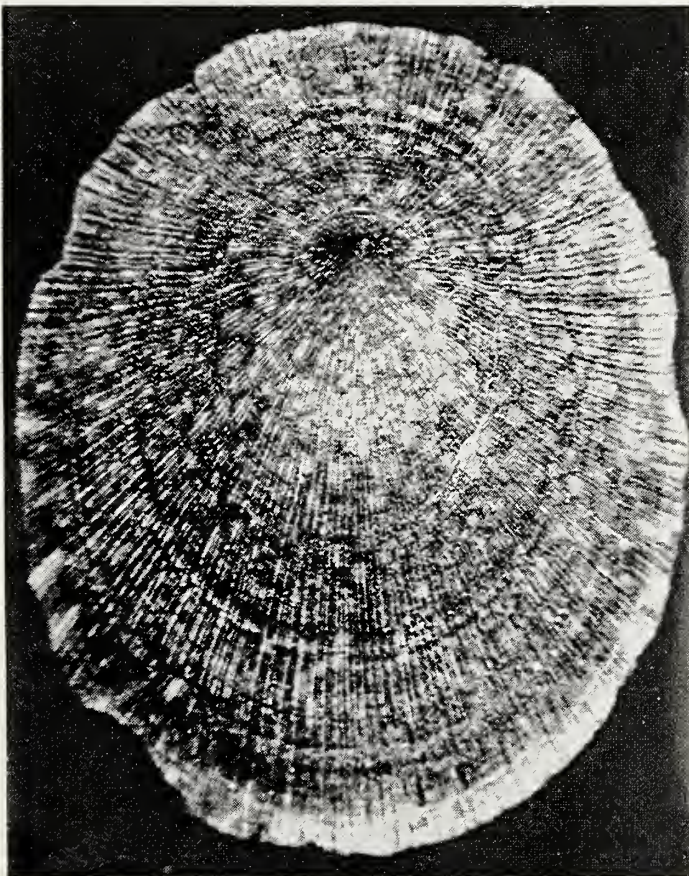


Figure 47. "*Acmaea*" *goodmani* [H]  
1960. 1(19): 117-118 (Dec. 31)

Size: long. 30.6; lat. 25.0; alt. 5.9 mm  
Type loc.: ca. 1 mile [1.6 km] N of Puertecitos, Baja California, México, rocky shore  
Holotype: CAS 043913  
Paratypes: SBMNH 34604, 44 specimens  
SDNHM 42897, 3 specimens

[= *Collisella stanfordiana* (Berry, 1957), fide McLean in Keen, 1971: 325; = *Lottia stanfordiana* (Berry), fide Lindberg, 1986: 145]



Figure 48. "*Acmaea*" *gabatella* [H]  
1960. 1(19): 118 (Dec. 31)

Size: long. 4.3; lat. 3.5; alt. 0.9 mm  
Type loc.: off Reef Point, Orange County, California, in 10 fm [18 m]  
Holotype: SDNHM 50945;  
Paratypes: SBMNH 34605, 10 specimens  
SDNHM 42810, 6 specimens  
[=*Acmaea depicta* (Hinds, 1842), *fide* Abbott, 1974: 32; =*Notoacmea depicta* (Hinds, 1842), *fide* Lindberg, 1980: 267; =*Tectura depicta* (Hinds), *fide* Lindberg, 1986: 145-146]

Figure 50. *Bursa californica sonorana* [H]  
1960. 1(19): 118-119 (Dec. 31)

Size: alt. 99.3; diam. 62.0 mm  
Type loc.: near Guaymas, Sonora, México, trawled by shrimp boat  
Holotype: CAS 043931  
Paratype: SBMNH 34609, 2 specimens  
SDNHM 42802, 1 specimen  
[= *Bursa sonorana*, *fide* Keen, 1971: 509; = *Crossota californica sonorana* (Berry), *fide* Beu, 1985:66]



Figure 49. *Neosimnia vidleri tyrianthina* [H]  
1960. 1(19): 118 (Dec. 31)

Size: long. 13.8; lat. 5.4 mm  
Type loc.: Cholla Cove, Sonora, México  
Holotype: CAS 043936  
Paratypes: SBMNH 34607, 3 specimens; 34608, 24 specimens [lots include gorgonians on which specimens were living]; 34606, 1 specimen  
SDNHM 42812, 2 specimens  
[=*Simnia aequalis* (Sowerby, 1832), *fide* Keen, 1971: 497; = *Delonovola aequalis* (Sowerby), *fide* Cate, 1973: 60; = *Neosimnia aequalis* (Sowerby), *fide* Groves, 1992: 105]





Figure 51. *Murex (Murex) tricornis* [H]  
1960. 1(19): 119 (Dec. 31)

Size: alt. 46.2; diam. 17.6 mm  
Type loc.: 1 mile off Cedros Village, Isla Cedros, Baja California, México, in 40 fm [73 m]  
Holotype: CAS 043934  
Paratypes: SBMNH 34668, 2 specimens  
[=*Murex (Murex) recurvirostris tricornis* Berry, *fide* Keen, 1971:514; =*Murex elenensis* Dall, 1909, *fide* Radwin & D'Attilio, 1976: 66; = *Murex tricornis* Berry, *fide* D'Attilio & Hertz, 1979: 60; change genus to *Haustellum*, *fide* Ponder & Vokes, 1988]



Figure 52. *Coralliophila incompta* [H]  
1960. 1(19): 119-120 (Dec. 31)

Size: alt. 33.5; diam. 20.3 mm  
Type loc.: off Puerto Refugio, Isla Angel de la Guarda, Baja California, México  
Holotype: CAS 043915  
[=*Attiliosa incompta* (Berry), *fide* Emerson, 1968: 379; =*Calotrophon (Attiliosa) incompta* (Berry), *fide* Keen & Coan, 1975: 30; =*Attiliosa incompta* (Berry), *fide* Radwin & D'Attilio, 1976: 26; =*Attiliosa nodulosa* (A. Adams, 1855), *fide* Radwin (posth.) & D'Attilio, 1978: 132; Vokes & D'Attilio, 1982: 69]



Figure 53. *Mitra (Tiara) directa* [H]  
1960. 1(19): 120-121 (Dec. 31)

Size: alt. 32.1; diam. 8.2 un  
Type loc.: off Cabo Haro, Sonora, México, 30-50 fm [55-91 m]  
Holotype: CAS 043910  
Paratypes: SBMNH 34610, 4 specimens  
SDNHM 42806, 1 specimen  
[=*Subcancilla directa* (Berry), *fide* Keen, 1971: 644; = *Subcancilla attenuata* (Broderip, 1836), *fide* Abbott, 1974: 238; = "*Ziba*" *attenuata*, *fide* Cernohorsky, 1991: 76; = *Subcancilla attenuata*, *fide* Salisbury, 1991b: 124]



Figure 54. *Mitra (Tiara) calodinota* [H]  
1960. 1(19): 121 (Dec. 31)

Size: alt. 27.1; diam. 8.7 mm  
Type loc.: off Islas Tortugas, Golfo de Nicoya, Costa Rica, dredged  
Holotype: CAS 043994  
Paratypes: SBMNH 34611, 3 specimens  
[=*Subcancilla calodinota* (Berry), *fide* Keen, 1971: 644; = *Subcancilla erythrogramma* (Tomlin, 1931), *fide* Abbott, 1974: 238; a valid species as "*Ziba*" *calodinota*, *fide* Cernohorsky, 1991: 72; = *Subcancilla calodinota*, *fide* Salisbury, 1991a: 58]



Figure 55. *Mitra (Tiara) lindsayi* [H]  
1960. 1(19): 122 (Dec. 31)

Size: alt. 22.9; diam. 7.9 mm  
Type loc.: off Puerto Peñasco, Sonora, México, in 10 fm [18 m]  
Holotype: SDNHM 42863  
Paratypes: SBMNH 34612, 2 specimens  
[=*Subcancilla lindsayi* (Berry), *fide* Keen, 1971: 645; = "*Ziba*" *calodinota* (Berry), *fide* Cernohorsky, 1991: 72-73; = *Subcancilla attenuata*, *fide* Salisbury, 1992a: 190]



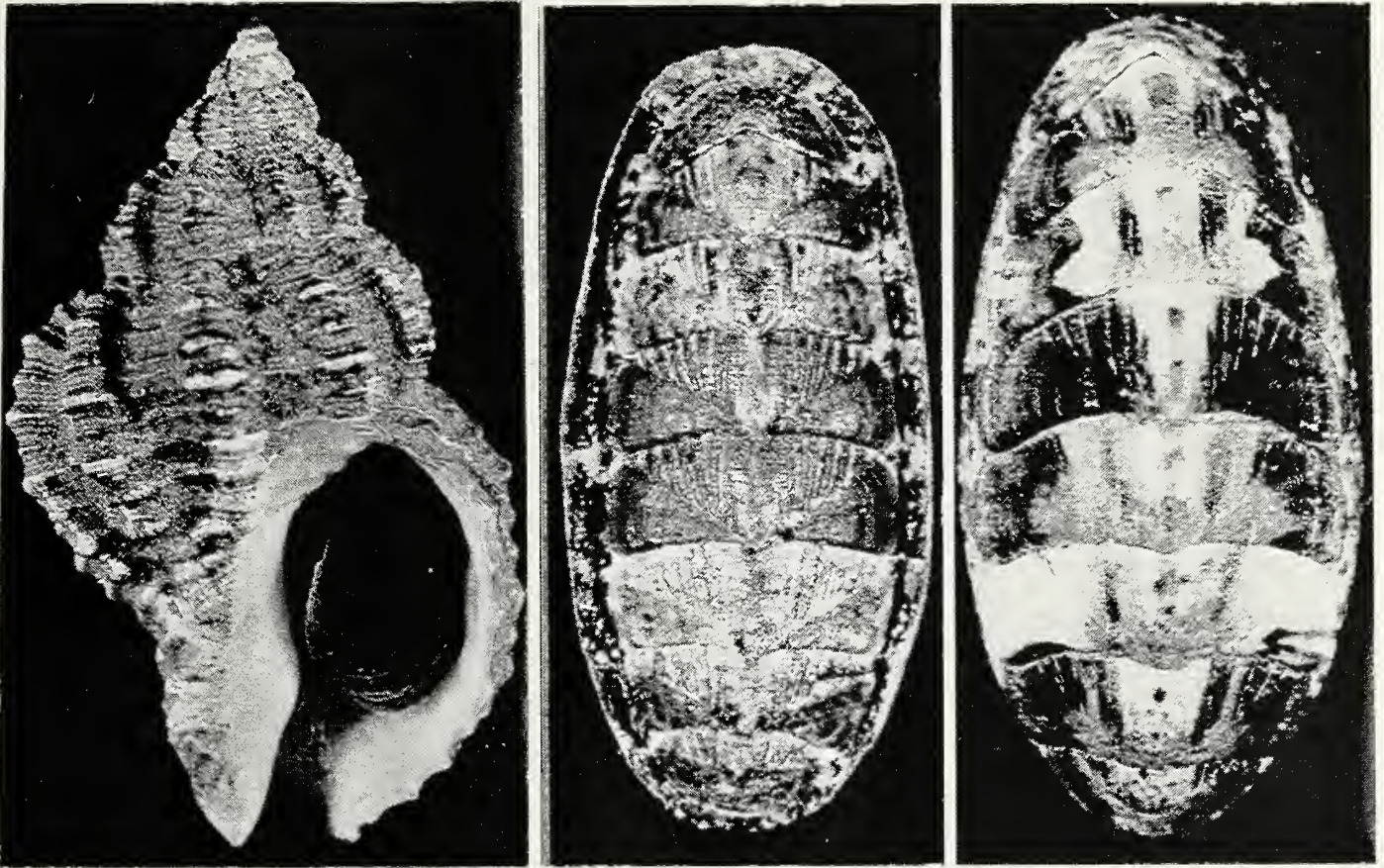


Figure 56. *Cantharus rehderi* Berry, 1962  
new name for *Solenosteira  
elegans* Dall, 1908  
1962. 1(20): 130 (Nov. 13)

Holotype: USNM 123003 (type of Dall's  
species, a homonym renamed  
by Berry).

Paratype: SBMNH 34667 [listed in  
SBMNH collection as  
"syntype"] Golfo de Panamá  
(0702°20'N, 80°55'W, 55 m  
[182 fm], mud

Figure 57. *Dendrochiton psaltes* [H]  
1963. 1(22): 135 (Mar. 29)

Size: long. 12.1; lat. 5.6; alt. 2.0 mm  
Type loc.: near entrance to Mission Bay,  
San Diego, California

Holotype: SBMNH 34435 [articulated]  
Paratypes: CAS 036326 [CAS 12619], 1  
specimen  
LACM 1448, 1 specimen  
SBMNH 34436, 26 specimens  
[articulated]; 34437, 1  
specimen [articulated]; 34438,  
1 specimen [articulated, 7-  
valved]  
SDNHM 43471, 23 specimens

[=*Mopalia* (*Dendrochiton*) *psaltes* (Berry),  
fide Abbott, 1974: 403; = *Dendrochiton*  
*thamnoporus* (Berry, 1911), fide Ferreira,  
1982: 109; = *Lepidochitona* (*Dendrochiton*)  
*thamnopora* (Berry), fide Van Belle, 1983:  
172, pl. 8, fig. 5]

Figure 58. *Dendrochiton laurae* [H]  
1963. 1(22): 136 (Mar. 29)

Size: long. 10.7; lat. 5.2; alt. 3.1 mm  
Type loc.: Bahía de los Angeles, Baja  
California, México

Holotype: SBMNH 34439 [articulated]  
[=*Dendrochiton lirulatus* Berry, 1963, fide  
Ferreira, 1982: 113-114; = *Lepidochitona*  
(*D.*) *lirulata* (Berry), fide Van Belle, 1983:  
30]

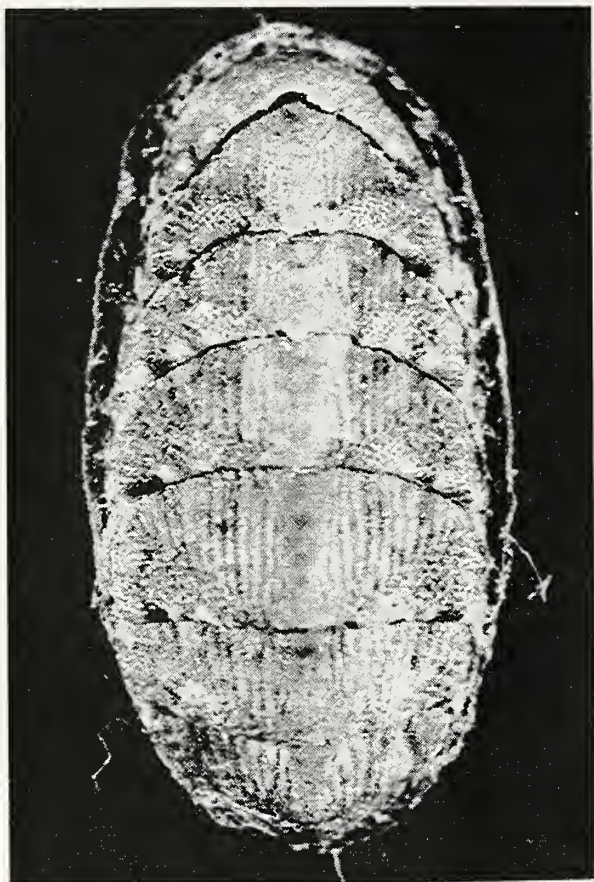


Figure 59. *Dendrochiton lirulatus* [H]  
1963. 1(22): 136-137 (Mar. 29)

Size: long. 8.3; lat. 4.1; alt. 2.2 mm  
Type loc.: N shore of Punta San Felipe, Baja California, México,  
in rocky rubble  
Holotype: SBMNH 34440 [articulated]  
Paratype: CAS 036325 [ex CAS 12618], 1 specimen  
SBMNH 34441, 2 specimens [articulated]; 34442, 7  
specimens [articulated]; 34443, 12 specimens  
[articulated]

[=*Lepidochitona* (*D.*) *lirulata* (Berry), *fide* Van Belle, 1983: 30]

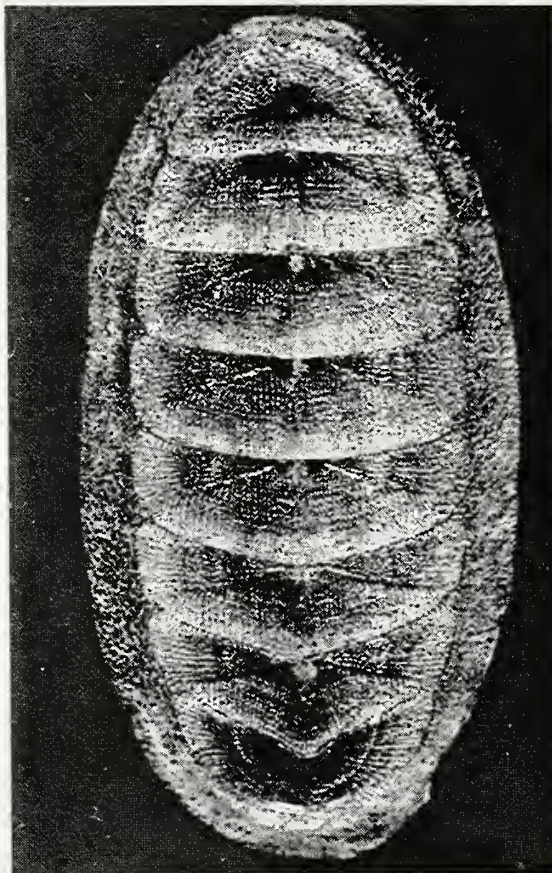


Figure 60. *Lepidozона pella* [H]  
1963. 1(22): 137-138 (Mar. 29)

Size: long. 23.1; lat. 12.1; alt. 9.0 mm  
Type loc.: San Felipe, Baja California, México, intertidal, under  
cleaner stones on rocky muddy shore  
Holotype: SBMNH 34444 [articulated]  
Paratypes: CAS 036327 [ex CAS 12620], 1 specimen  
LACM 1449, 2 specimens  
SBMNH 34445, 1 specimen [articulated, previously  
mixed with SBMNH 34446, *fide* P. Scott]; 34446, 14  
specimens [articulated]

[=*Lepidozона subtilis* Berry, 1956, *fide* Thorpe in Keen, 1971: 877;  
Ferreira, 1974: 168; = *L.* (*Lepidozона*) *subtilis*, *fide* Kaas & Van  
Belle, 1987: 210]

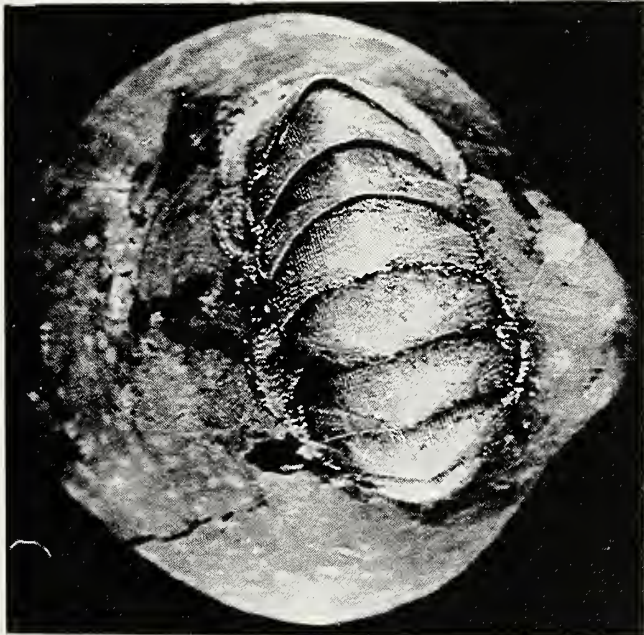


Figure 61. *Lepidozonia inefficax* [P]  
1963. 1(22): 138 (Mar. 29)

Size: long. "in situ (somewhat curled)" 21.0; lat. 13.5; alt. "(est.)" 5. + mm [H]  
Type loc.: Bahía Sebastian Vizcaino, Baja California Sur, México [28°26.5'N, 114°36'W]  
Holotype: Redlands 28,712 ["lost" according to Berry (Poorman, pers. comm.)]  
Paratype: SBMNH 34447, 1 specimen [This second specimen is mentioned in the "Leaflets" but not as paratype although collected by D. Gates on 21 Sept. 1960 at the same time as the holotype which is lost.]  
[=*Lepidozonia* (*Lepidozonia*) *scabricostata* (Carpenter, 1864), *fide* Kaas & Van Belle, 1987: 193]

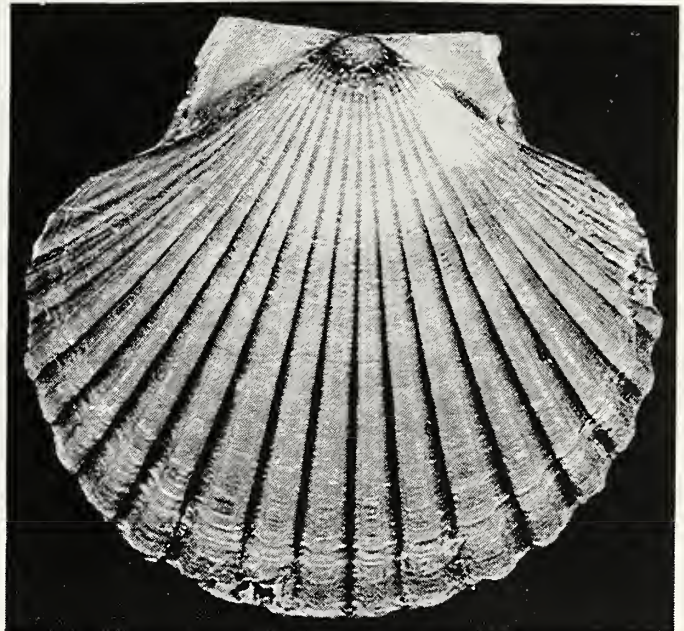


Figure 62. *Pecten lunaris* [H]  
1963. 1(23): 139-140 (Sept. 30)

Size: long. 70.8; alt. 64.1; diam. 16.1 mm  
Type loc.: off Morro Colorado, Sonora, México, in 30-45 fm [55-82 m]  
Holotype: CAS 043980, both valves  
Paratypes: CAS 042482 [ex CAS 12705], 1 specimen  
SBMNH 34673, 4 specimens  
[= *Pecten* (*Flabellipecten*) *berryi* Bernard, 1983, new name for *Pecten lunaris* Berry, 1963; not Romer, 1839, *fide* Bernard, 1983: 68; = *Pecten stillmani* Dijkstra, 1998: 247, new name for *Pecten berryi* Bernard, 1983, not *Pecten berryi* Stephenson, 1923]

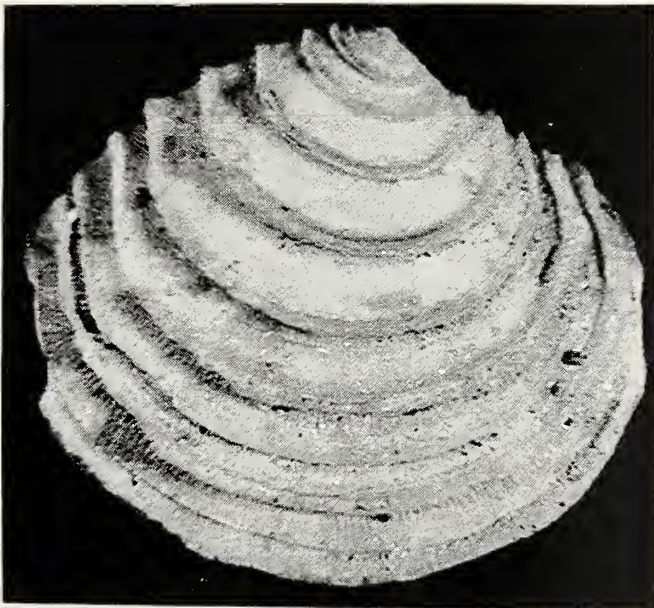


Figure 63. *Tellidorella cristulata* [H]  
1963. 1(23): 140 (Sept. 30)

Size: long 5.6; alt. 4.9; diam. 1.1 mm  
Type loc.: off Puerto Libertad, Sonora, México (29°51.8'N, 112°46.8'W), in 40 fm [73 m]  
Holotype: CAS 043974, right valve  
Paratype: SBMNH 34014, 24 specimens; 34015, 6 specimens  
SDNHM 47505, 2 valves (1 l.v., 1 r.v.)

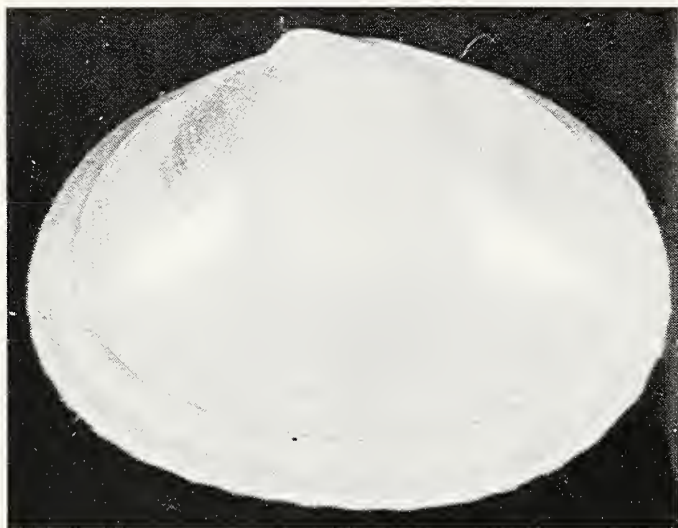


Figure 64. *Crenimargo electilis* [H]  
1963. 1(23): 140-141 (Sept. 30)

Size: long. 16.0; alt. 11.7; diam. 7.2 mm  
Type loc.: Playa las Hadas, ca. 5 miles [8 km] N of Manzanillo, Colima, México  
Holotype: CAS 043976, both valves  
Paratypes: SBMNH 34017, 2 [1 pair, 1 valve]  
[= *Cymatioa* Berry, 1964, *nom. nov.* for *Crenimargo* Berry, 1963 *nomen. praeoc.*, *fide* Berry, 1964: 154; = *Cymatioa electilis* (Berry), *fide* Shasky & Campbell, 1964: 114; Keen, 1971: 133]

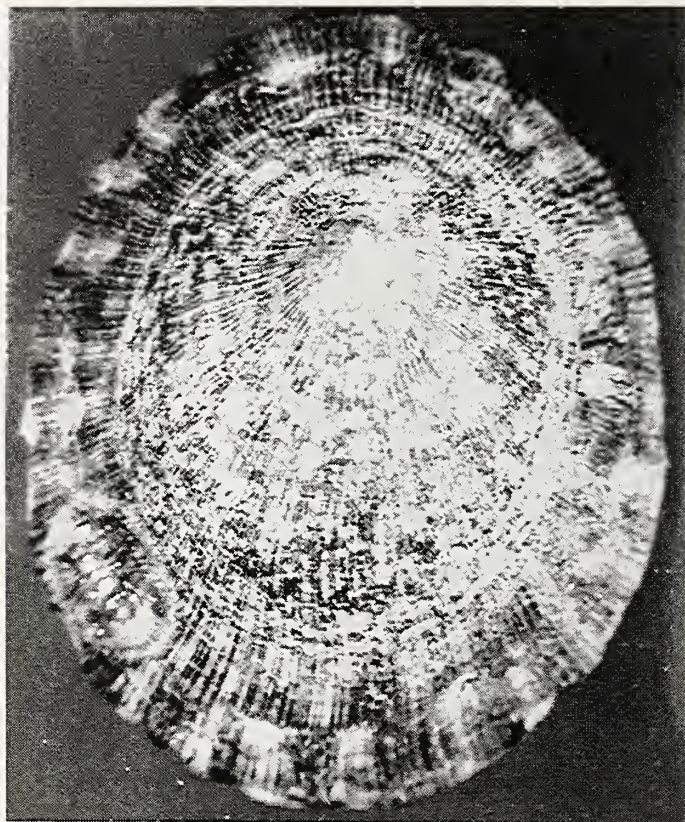
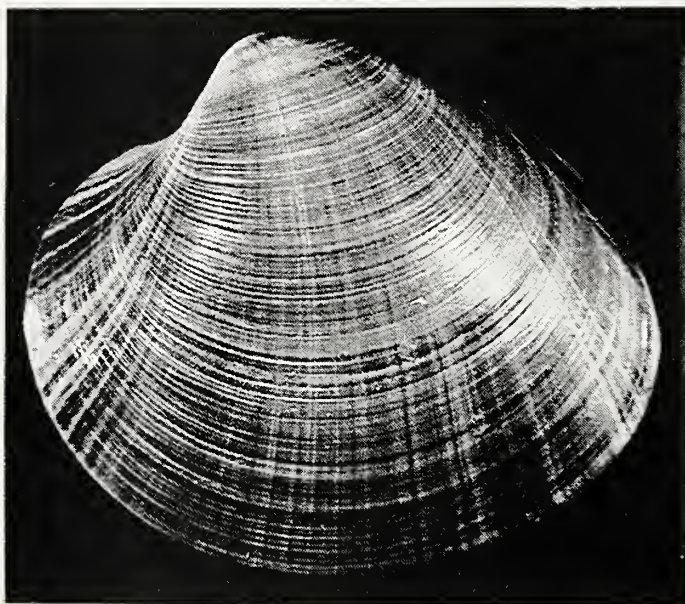


Figure 66. "*Acmaea*" *concreta* [H]  
1963. 1(23): 142-143 (Sept. 30)

Size: long. 29.9; lat. 23.4; alt. 9.0 mm  
Type loc.: Punta San Felipe, Baja California, México, intertidal rocks along N side of promontory  
Holotype: CAS 036322  
Paratypes: SBMNH 34613, 48 specimens; 34614, 13 specimens  
SDNHM 47499, 3 specimens  
[= *Collisella stanfordiana* (Berry, 1957), *fide* McLean in Keen, 1971: 325]

Figure 65. *Transennella caryonautes* [H]  
1963. 1(23): 141-142 (Sept. 30)

Size: long. 40.5; alt. 35.2; diam. 23.7 mm  
Type loc.: vicinity of Mazatlán, Sinaloa, México, from shrimp trawlers  
Holotype: CAS 043973, both valves  
Paratypes: SBMNH 34016, 2 specimens



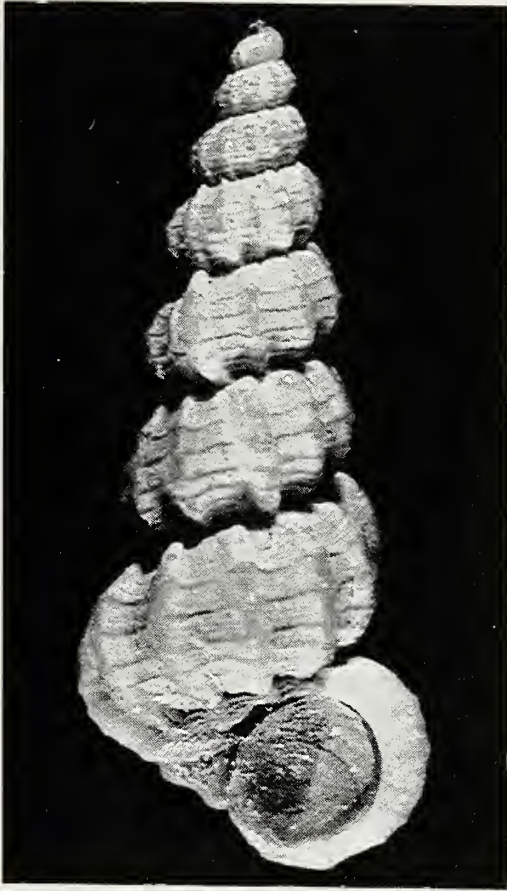


Figure 67. *Cirsotrema pentedesmum* [H]  
1963. 1(23): 143 (Sept. 30)

Size: alt. 8.2; lat. 3.7 mm  
Type loc.: Puerto San Carlos, Sonora, México  
Holotype: CAS 043927  
[=*Epitonium* (*Cirsotrema*) *vulpinum* (Hinds, 1844), *fide* Keen, 1971: 428; = *Cirsotrema vulpinum* (Hinds), *fide* DuShane, 1974: 48]

Figure 69. *Crucibulum subactum* [H]  
1963. 1(23): 144 (Sept. 30)

Size: long. 11.2; lat. 9.1; alt. 6.6 mm  
Type loc.: off Teacapán Sinaloa, México, in 25-35 fm [46-64 m]  
Holotype: CAS 043933  
Paratypes: SBMNH 34616, 30 specimens; 34617, 34 specimens  
SDNHM 47502, 3 specimens  
[=*Crucibulum* (*Dispotaea*) *subactum* Berry, *fide* Keen, 1971: 465]

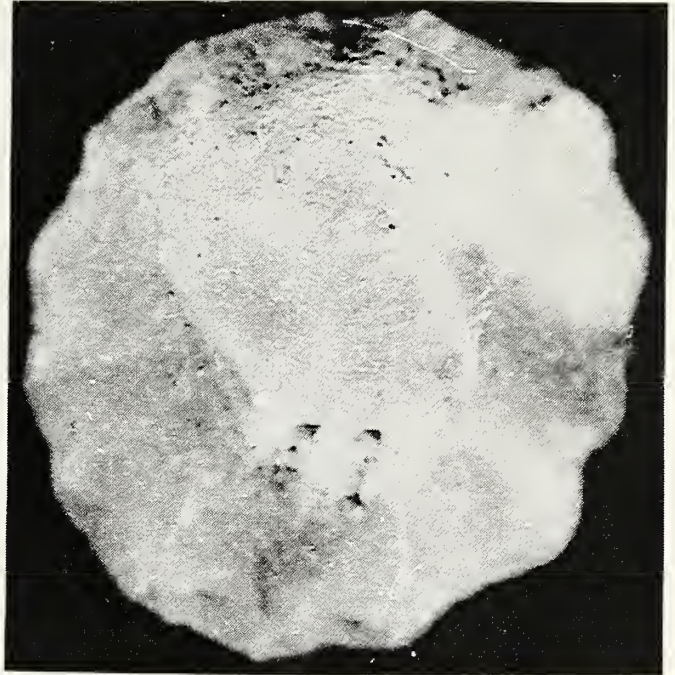


Figure 68. *Crucibulum castellum* [H]  
1963. 1(23): 143-144 (Sept. 30)

Size: major diam. 8.6; lesser diam. 7.8, alt. 4.6 mm  
Type loc.: off Acapulco, Guerrero, México, in 6-10 fm [11-18 m]  
Holotype: CAS 043996  
Paratypes: SBMNH 34615, 24 specimens  
SDNHM 47503, 3 specimens  
[=*Crucibulum* (*Dispotaea*) *concameratum* Reeve, 1859, *fide* Keen, 1971: 465; Abbott, 1974: 140]





Figure 70. *Solenosteira gatesi* [H]  
1963. 1(23): 144-145 (Sept. 30)

Size: alt. 43.8; diam. 25.2 mm  
Type loc.: Mazatlán, Sinaloa, México (23°46'N, 106°59-107°03'W), in 15 fm [27 m] in sandy mud  
Holotype: CAS 043912  
Paratypes: SBMNH 34618, 50 specimens; 34619, 2 specimens  
SDNHM 47500, 3 specimens

[= *Cantharus* (*Solenosteira*) *gatesi* (Berry), *vide* Abbott, 1974: 220;  
*Solenosteira* as a subgenus of *Cantharus*, Cernohorsky, 1975: 197]



Figure 71. *Olivella* (*Dactylidella*) *cymatilis* [H]  
1963. 1(23): 146 (Sept. 30)

Size: alt. 17.8; diam. 7.2 mm  
Type loc.: Bahía Magdalena, Baja California Sur, México  
Holotype: CAS 043908  
Paratypes: LACM 1961, 1 specimen  
SBMNH 34620, 21 specimens  
SDNHM 47504, 3 specimens

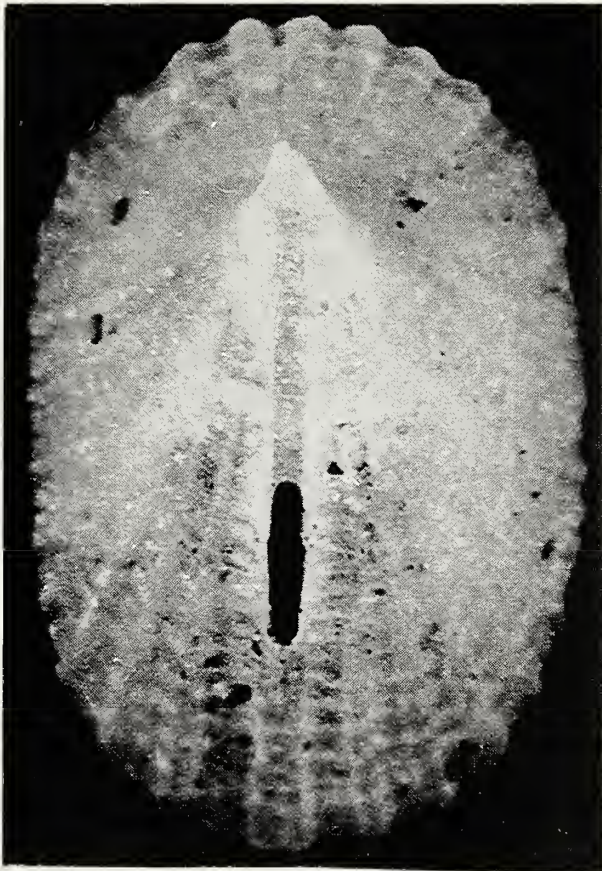


Figure 72. *Rimula californiana* [H]  
1964. 1(24): 147 (July 29)

Size: long. 3.92; diam. 2.66; alt. 1.33 mm  
Type loc.: off Long Point, Santa Catalina Island, California, 9-25 fm [16-46 m]  
Holotype: CAS 043990  
Paratypes: SBMNH 34621, 2 specimens; 34622, 2 specimens; 34623, 1 specimen

Figure 74. *Triatella cunninghamae* [H]  
1964. 1(24): 149-150 (July 29)

Size: alt. 17.0; diam. 10.1 mm  
Type loc.: near entrance to Puerto San Carlos, Sonora, México, in 15-35 fm [27-64 m]  
Holotype: CAS 043997  
Paratypes: SBMNH 34625, 2 specimens; 34626, 1 specimen  
[=*Aspella* (*Triatella*) *cunninghamae* (Berry), *fide* Keen, 1971: 529; =*Dermomurex* (*T.*) *cunninghamae* (Berry), *fide* Keen & Coan, 1975: 29; =*Dermomurex cunninghamae* (Berry), *fide* Radwin & D'Attilio, 1976: 45 = *Dermomurex* (*Triatella*) *cunninghamae*, *fide* Vokes, 1984: 212; 1985: 48]

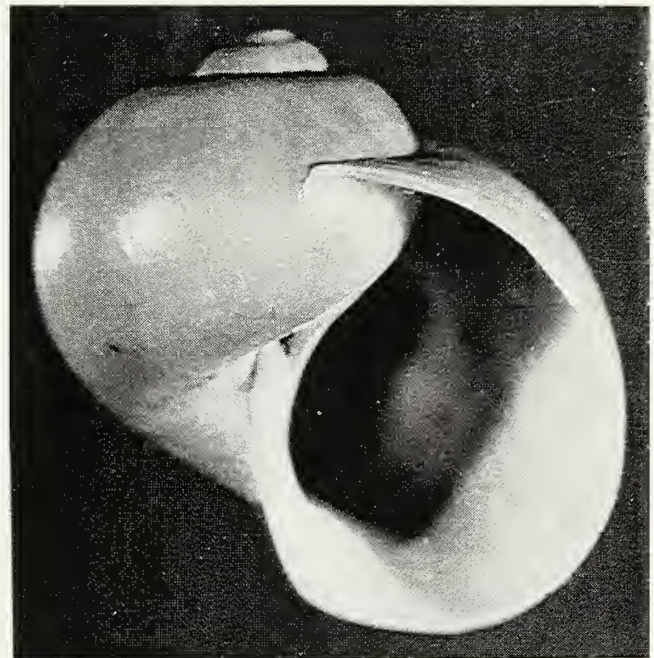
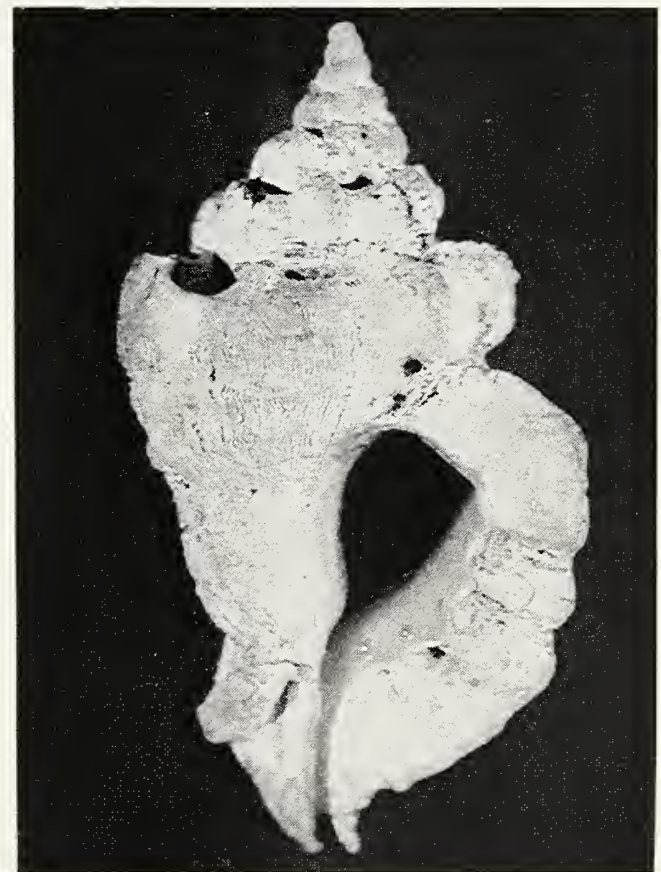


Figure 73. *Lunaia lunaris* [H]  
1964. 1(24): 148-149 (July 29)

Size: alt. 24.3; diam. 23.3 mm  
Type loc.: off Estero Tastiota, Sonora, México, in 14-25 fm  
Holotype: CAS 043919  
Paratypes: SBMNH 34624, 4 specimens  
[=*Natica* (*Lunaia*) *lunaris* (Berry), *fide* Keen, 1971: 477]



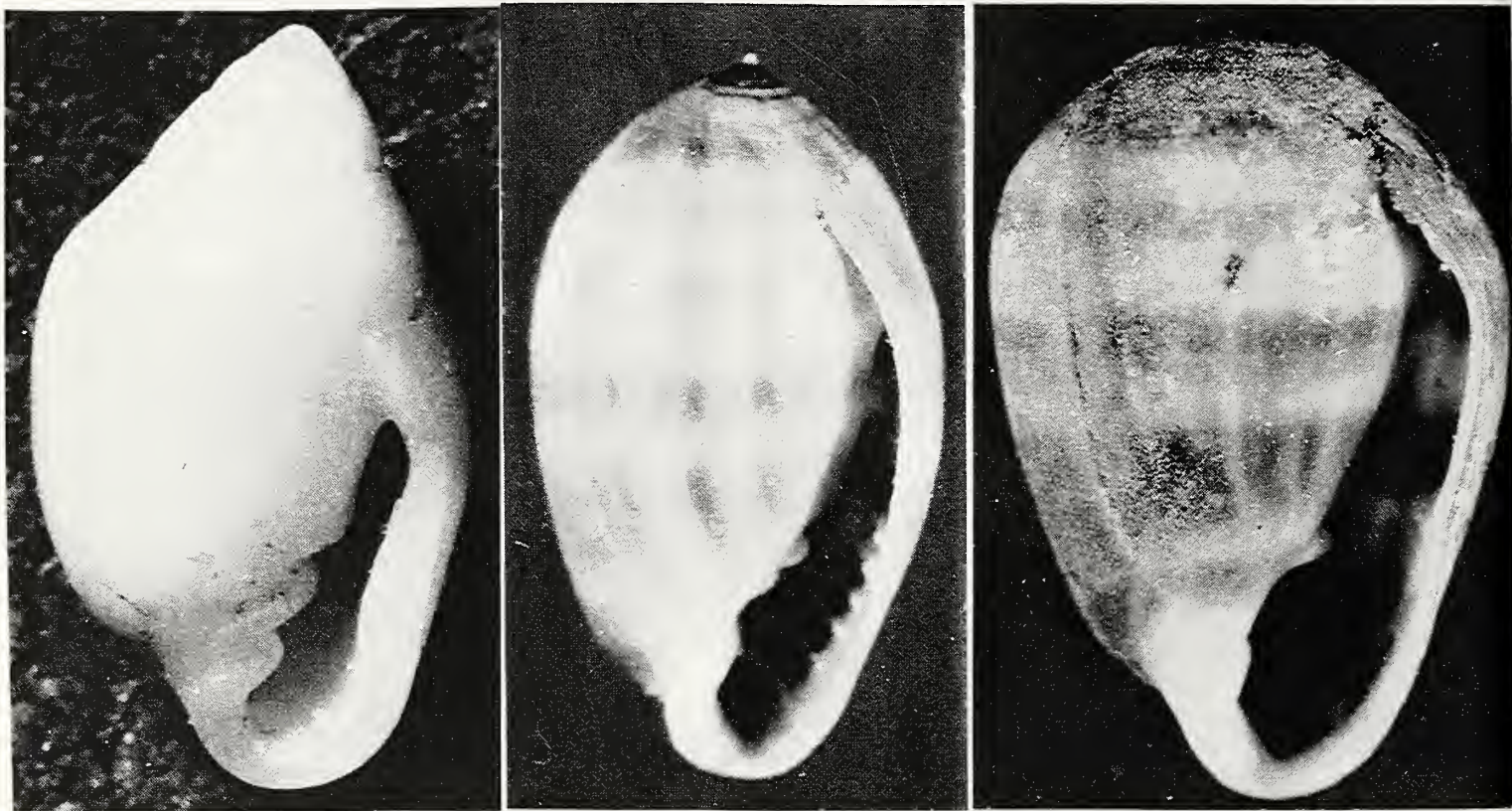


Figure 75. *Pseudomelampus mexicanus* [H]  
1964. 1(24): 151-152 (July 29)

Size: long. 4.2; lat. 2.7 mm  
Type loc.: 1½ miles [2.4 km] N of Puertecitos, Baja California, México  
Holotype: SBMNH 34627  
Paratype: SBMNH 34628, 1 specimen  
[= *Sarnia mexicana* (Berry), *fide* Keen, 1971: 850]

Figure 76. *Melampus mousleyi* [H]  
1964. 1(24): 152-153 (July 29)

Size: alt. 10.0; diam. 5.4 mm  
Type loc.: Cholla Cove, Bahía de Adair, Sonora, México, upper estero  
Holotype: CAS 043922  
Paratypes: SBMNH 34629, 34 specimens; 34630, 5 specimens; 34631, 25 specimens  
SDNHM 48949, 5 specimens

Figure 77. *Melampus olivaceus californianus* [H]  
1964. 1(24): 153-154 (July 29)

Size: alt. 11.1; diam. 7.4 mm  
Type loc.: N shore of Mission Bay, Pacific Beach, California  
Holotype: CAS 043991  
Paratypes: SDNHM 48948, 3 specimens; SBMNH 34632, 22 specimens; 34633, 13 specimens  
[= ?*Melampus (Melampus) olivaceus* Carpenter, 1857, *fide* Keen, 1971: 846; Abbott, 1974: 332]



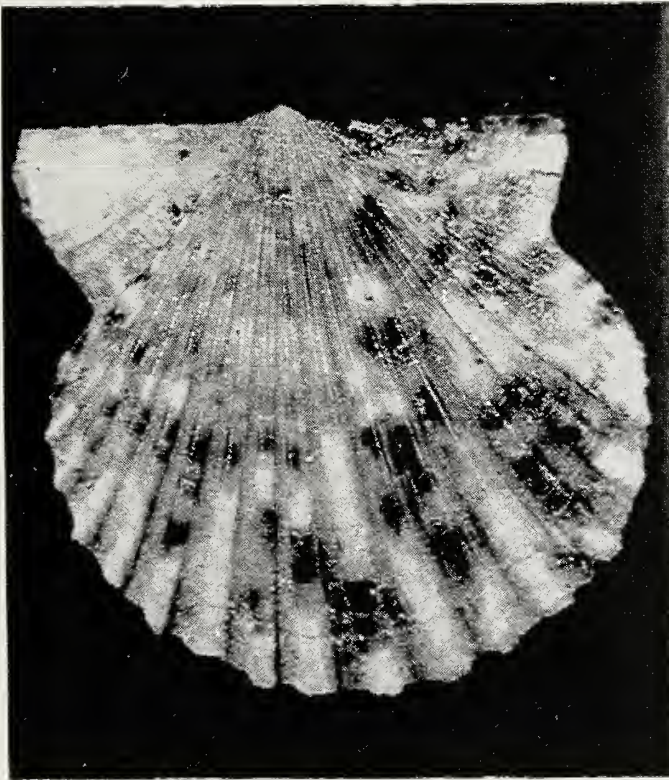


Figure 78. *Aequipecten (Leptopecten) camerella* [H]  
1968. 1(25): 155-156 (Sept. 26)

Size: long. 20.2; alt. 19.6; diam. 8.2 mm  
Type loc.: La Ribera region, Baja California Sur, México, in 35-40 fm [64-73 m]  
Holotype: SBMNH 34028  
Paratypes: SBMNH 34029, 12 specimens; 34030, 13 specimens  
[=*Leptopecten (L.) camerella* (Berry), *fide* Keen, 1971: 91]

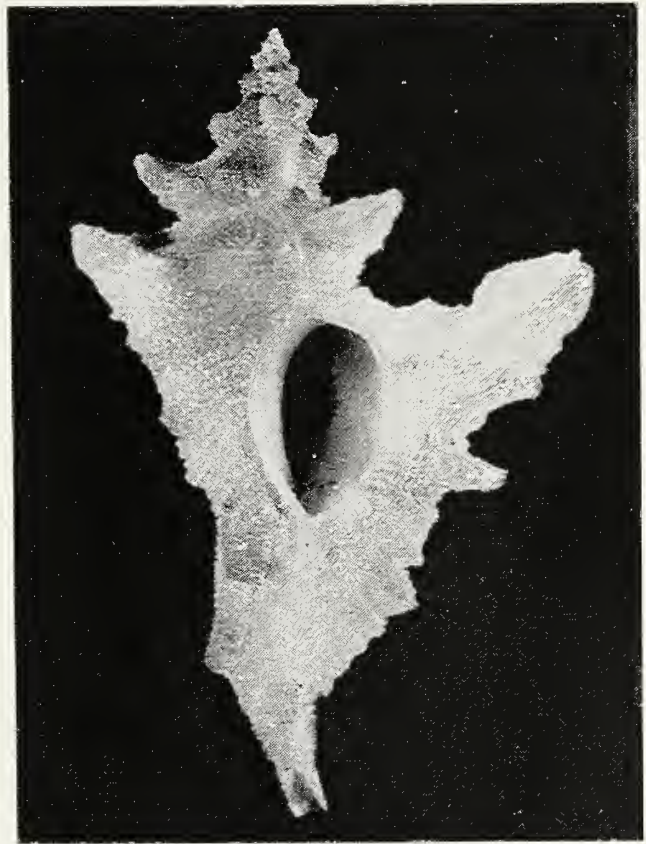


Figure 79. *Pteropurpura (Centrifuga) deroyana* [H]  
1968. 1(25): 156 (Sept. 26)

Size: alt. 33.4; let. 21.0 mm  
Type loc.: off N shore of Isla Santa Cruz (Indefatigable Island), Islas Galápagos, Ecuador, dredged in 55 fm [101 m]  
Holotype: SBMNH 34634  
Paratypes: SBMNH 34635, 4 specimens; 34636, 3 specimens; 34637, 1 specimen  
[=*Pteropurpura centrifuga* (Hinds, 1844), *fide* Radwin & D'Attilio, 1976: 130; =*Pteropurpura centrifuga deroyana*, *fide* Vokes, 1988: 41]

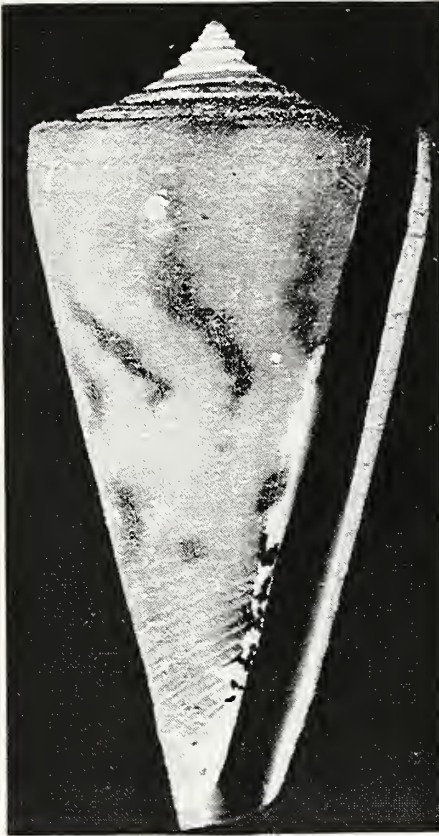


Figure 80. *Conus poormani* [H]  
1968. 1(25):1 56-157 (Sept. 26)

Size: alt. 45.0; diam. 21.9 mm  
Type loc.: off Morro Colorado, Sonora, México, trawled in 24-26 fm [44-48 m]  
Holotype: SBMNH 34638  
Paratypes: AMNH 186416, 1 specimen  
LACM 1261, 2 specimens  
SBMNH 34639, 11 specimens

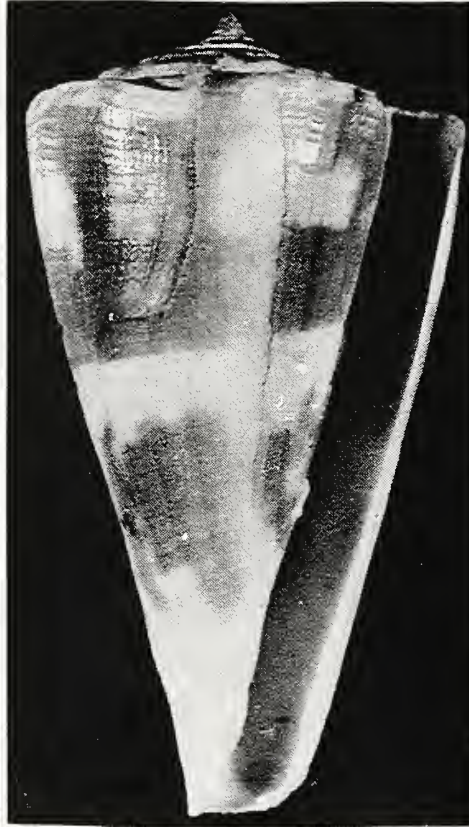


Figure 81. *Conus chrysocestus* [H]  
1968. 1(25): 157 (Sept. 26)

Size: alt. 45.3; diam. 24.3 mm  
Type loc.: off Morro Colorado, Sonora, México, trawled in 30-45 fm [55-82 m]  
Holotype: SBMNH 34640  
Paratypes: SBMNH 34641, 9 specimens  
[=*Conus (Lithoconus) fergusonii* Sowerby, 1873, *fide* Keen, 1971: 667; =*Conus xanthicus* Dall, 1910, *fide* McLean & Nybakken, 1979: 139-140]



Figure 82. *Ptychosyrinx chilensis* [H]  
1968. 1(25): 158 (Sept. 26)

Size: alt. 40.7+; diam. 14.9 mm  
Type loc.: off Coquimbo, Chile, trawled in 200 fm [366 m], from shrimp boats  
Holotype: LACM 1912  
Paratypes: SBMNH 34642, 23 specimens



Figure 83. *Rimula mexicana* [H]  
1969. 1(26): 159-160 (Dec. 17)

Size: long. 5.18; diam. 2.96; alt. 2.22 m  
Type loc.: ca. 45 miles [72 km] S of Bahía de Los Angeles, Baja California, México, dredged off Tule, 21-27½ fm [38-50 m]  
Holotype: SBMNH 34643  
Paratypes: SBMNH 34644, 2 specimens



Figure 84. *Turcica admirabilis* [H]  
1969. 1(26): 160 (Dec. 17)

Size: alt. 40.4; diam. 34.9 mm  
Type loc.: off Morro Colorado, Sonora, México, in 20-30 fm [37-55 m]  
Holotype: SBMNH 34645  
Paratypes: SBMNH 34646, 4 specimens

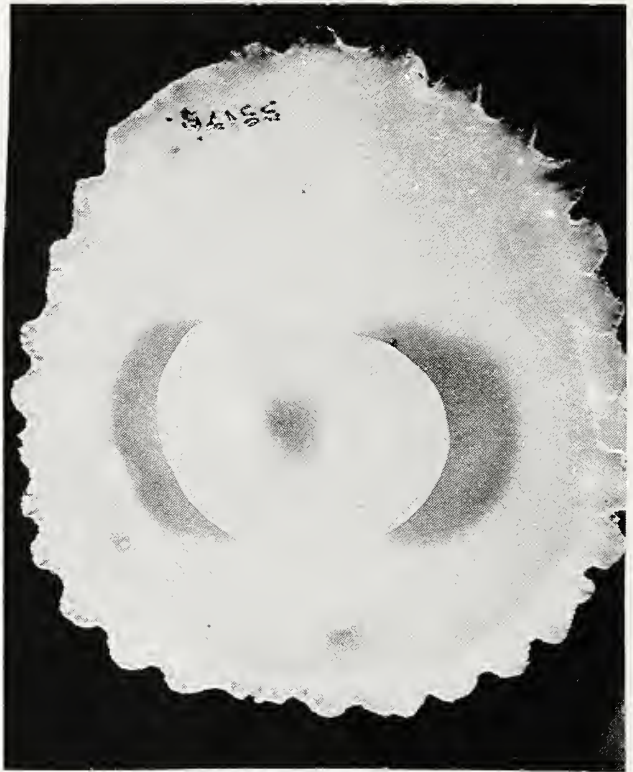
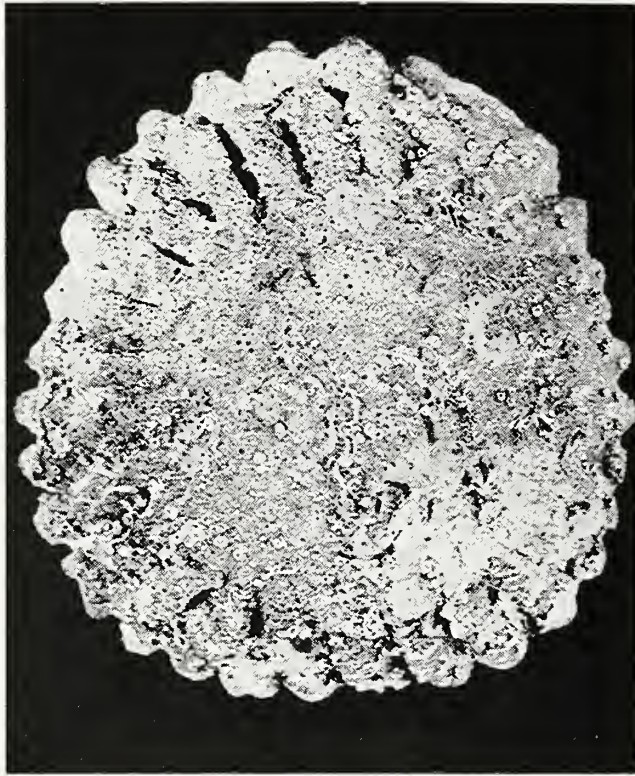


Figure 85. *Crucibulum cyclopium* [H]  
(exterior and interior views)  
1969. 1(26): 161 (Dec. 17)

Size: alt. ca. 22.0; diam. 65.7 mm  
Type loc.: Playa Miramar, Bahía Santiago area,  
Manzanillo, Colima, México, intertidal  
Holotype: SBMNH 34647  
Paratypes: SBMNH 34648, 3 specimens

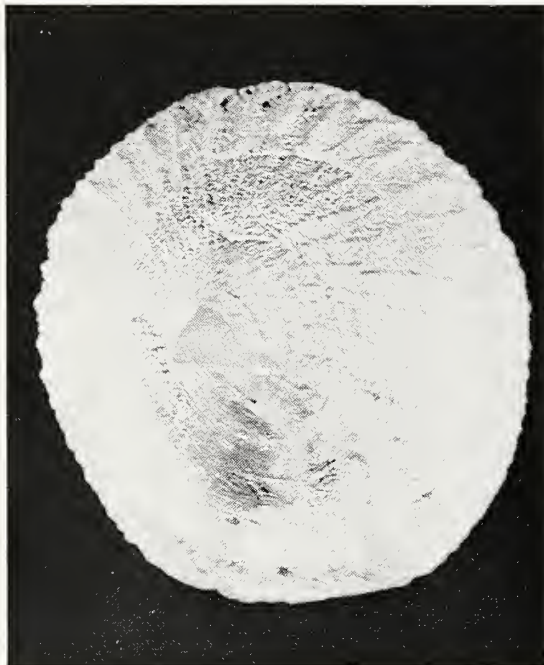


Figure 86. *Crucibulum monticulus* [H]  
(exterior and interior views)  
1969. 1(26): 162 (Dec. 17)

Size: long. or major diam. 29.0 mm  
Type loc.: Mazatlán area, Sinaloa, México  
Holotype: SBMNH 34649  
Paratypes: SBMNH 34650, 27 specimens; 34651,  
2 specimens

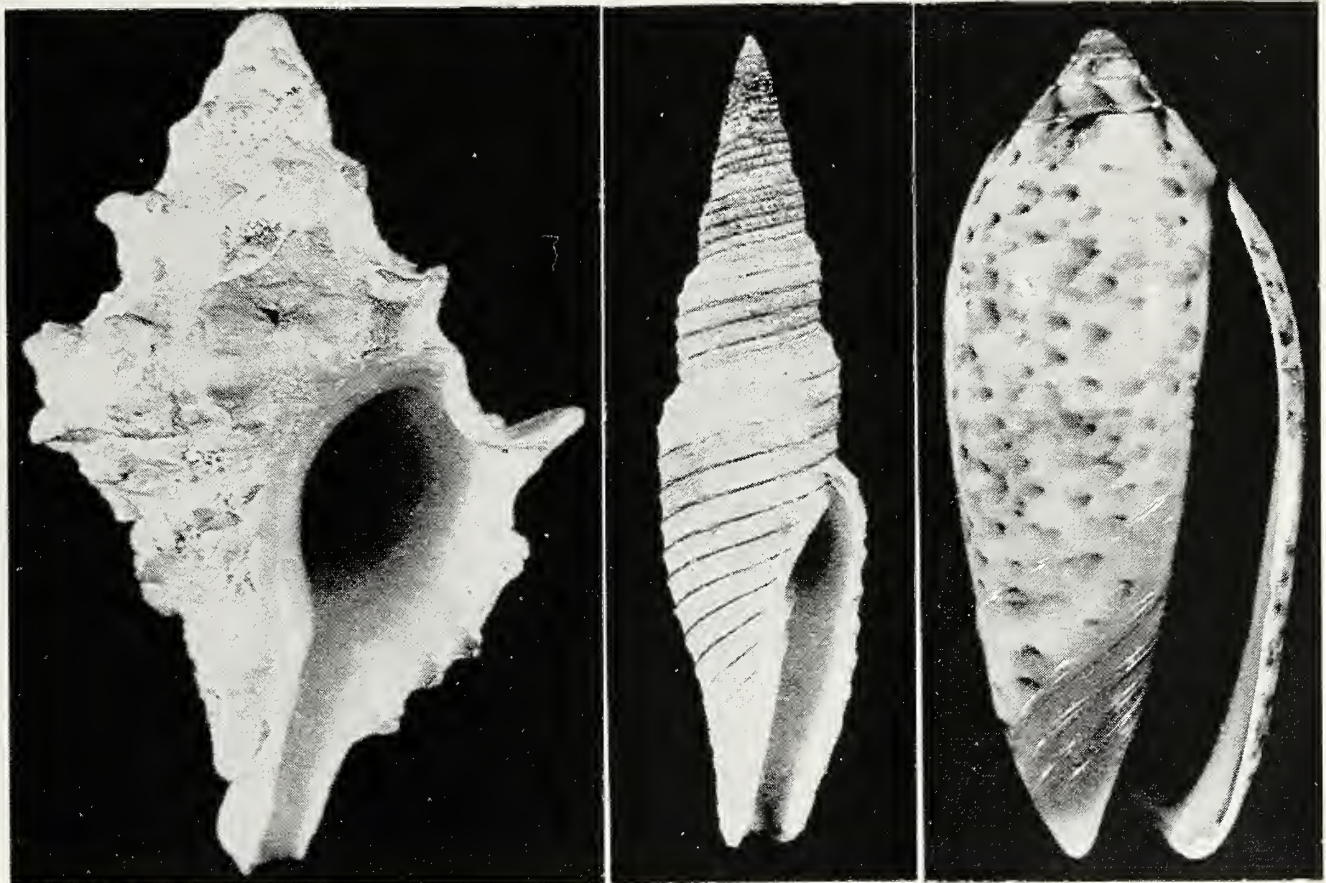


Figure 87. *Acanthotrophon sentus* [H]  
1969. 1(26): 162 (Dec. 17)

Size: alt. 19.8+; diam. 14.9 mm  
Type loc.: Academy Bay, Indefatigable  
Island (Isla Santa Cruz), Islas  
Galápagos, Ecuador, in 50 m,  
dredged

Holotype: SBMNH 34652  
Paratypes: SBMNH 34653, 4 specimens  
[=*Trophon (Acanthotrophon) sentus* (Berry),  
*fide* Keen, 1971: 537; =*Acanthotrophon*  
*carduus* Broderip, 1833], *fide* Radwin &  
D'Attilio, 1976: 19; Vokes in Radwin  
(posth.) & D'Attilio, 1978: 134;  
=*Acanthotrophon sentus* Berry, *fide* Vokes,  
1980: 11]

Figure 88. *Mitra (Subcancilla) phorminx*  
[H]  
1969. 1(26): 162-163 (Dec. 17)

Size: alt. 40.2+; diam. 10.3 mm  
Type loc.: off Río Bolsa, Acapulco,  
Guerrero, México, trawled in  
35-45 fm [64-82 m]

Holotype: SBMNH 34654  
Paratypes: LACM 1954, 3 specimens  
SBMNH 34655, 1 specimen  
[=*Subcancilla phorminx* (Berry), *fide* Keen,  
1971: 645; Whitney, 1977: 53; = "*Ziba*"  
*phorminx*, *fide* Chernohorsky, 1991: 74; =  
*Subcancilla phorminx*, *fide* Salisbury 1992b:  
6]

Figure 89. *Oliva ionopsis* [H]  
1969. 1(26): 163-164 (Dec. 17)

Size: alt. 30.4; diam. 13.5 mm  
Type loc.: Bahía de las Palmas, Baja  
California Sur, México, dredged  
in 10-33 fm [18-60 m]

Holotype: SBMNH 34656  
Paratypes: SBMNH 34657, 7 specimens;  
34658, 2 specimens  
[=*Oliva (Oliva) spicata* (Röding, 1798), *fide*  
Keen, 1971: 624; =*Oliva ionopsis* Berry, *fide*  
Abbott, 1974: 232; = *Sirephona ionopsis*  
(Berry), *fide* Penuch & Sargent, 1986: 135]

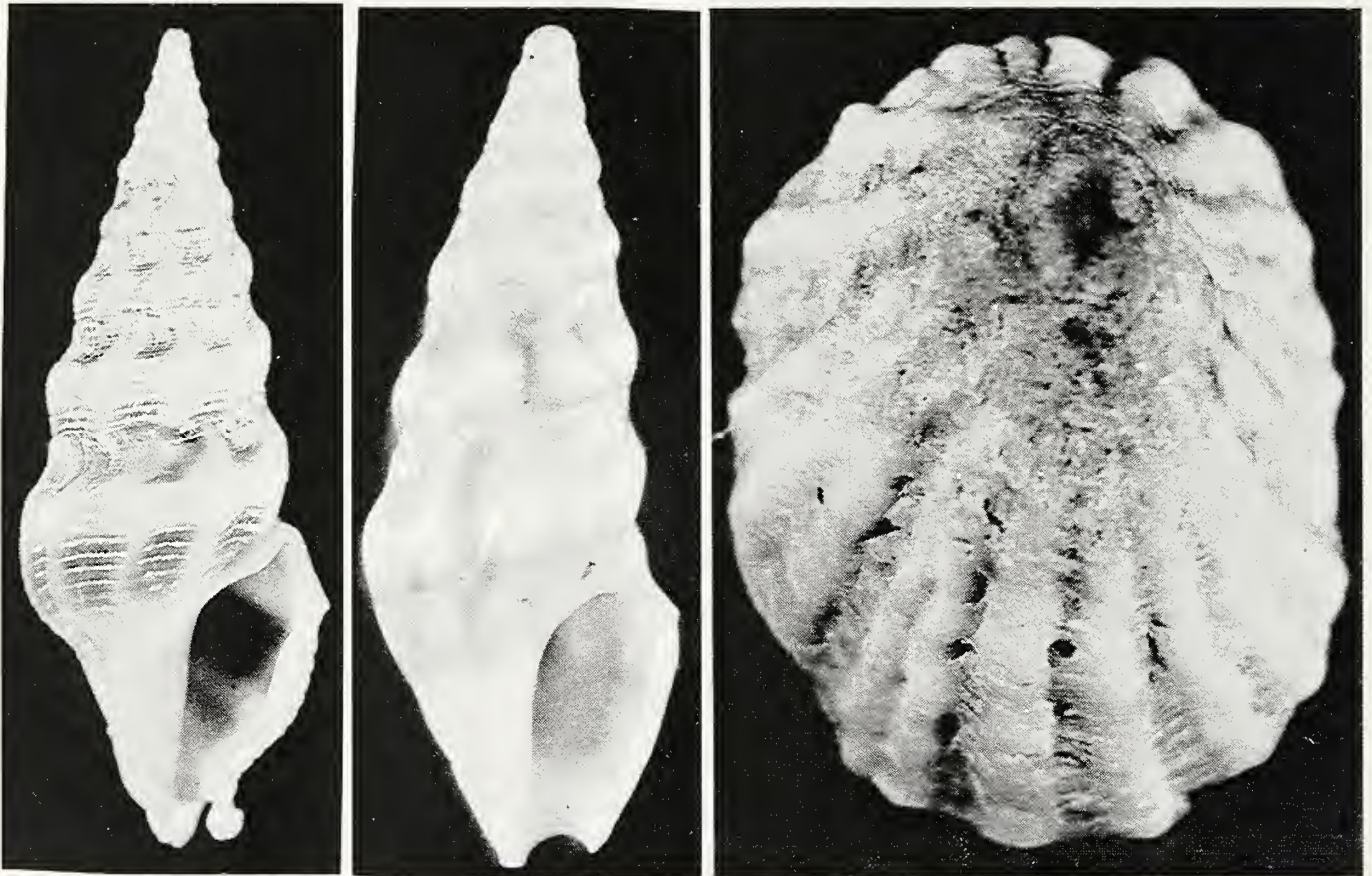


Figure 90. *Elaeocyma ricaudae* [H]  
1969. 1(26): 164-165 (Dec. 17)

Size: alt. 29.4; diam. 11.9 mm  
Type loc.: San Juanico area, "probably more precisely Boca Soledad" Baja California Sur, México, trawled in 24-26 fm [44-48 m]  
Holotype: not found  
Paratypes: LACM 1445, 2 specimens  
SBMNH 34659, 32 specimens  
[= *Cymatosyrinx* (*Elaeocyma*) *ricaudae* (Berry), *fide* Abbott, 1974: 276]

Figure 91. *Elaeocyma baileyi* [H]  
1969. 1(26): 165-166 (Dec. 17)

Size: alt. 8.5; diam. 3.33 mm  
Type loc.: Bahía de las Palmas, Baja California Sur, México, dredged in 17-33 fm [31-60 m]  
Holotype: SBMNH 34660  
Paratypes: SBMNH 34661, 3 specimens  
[= *Splendrillia lalage* (Dall, 1919), *fide* McLean *in* Keen, 1971: 705; Abbott, 1974: 275]

Figure 92. *Siphonaria williamsi* [H]  
1969. 1(26): 166 (Dec. 17)

Size: long. 7.10; lat. 5.25; alt. 2.96 mm  
Type loc.: cove inside Flat Rock, S end of Isla Natividad, Baja California, México  
Holotype: SBMNH 34662  
Paratype: SBMNH 34663, 2 specimens  
[= *Siphonaria* (*Kerguelenia*) *williamsi* Berry, *fide* Abbott, 1974: 336]

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<i>laurae</i> , <i>Dendrochiton</i> . . . . .	27	<i>williamsi</i> , <i>Mactra</i> ( <i>Mactra</i> ) . . . . .	23
<i>leucostephes</i> , <i>Hertleinella</i> . . . . .	17	<i>williamsi</i> , <i>Siphonaria</i> . . . . .	40





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