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**Catalog of Non-Asteroid, Non-Mollusk Type-Specimens
in the Department of Invertebrate Zoology,
California Academy of Sciences**

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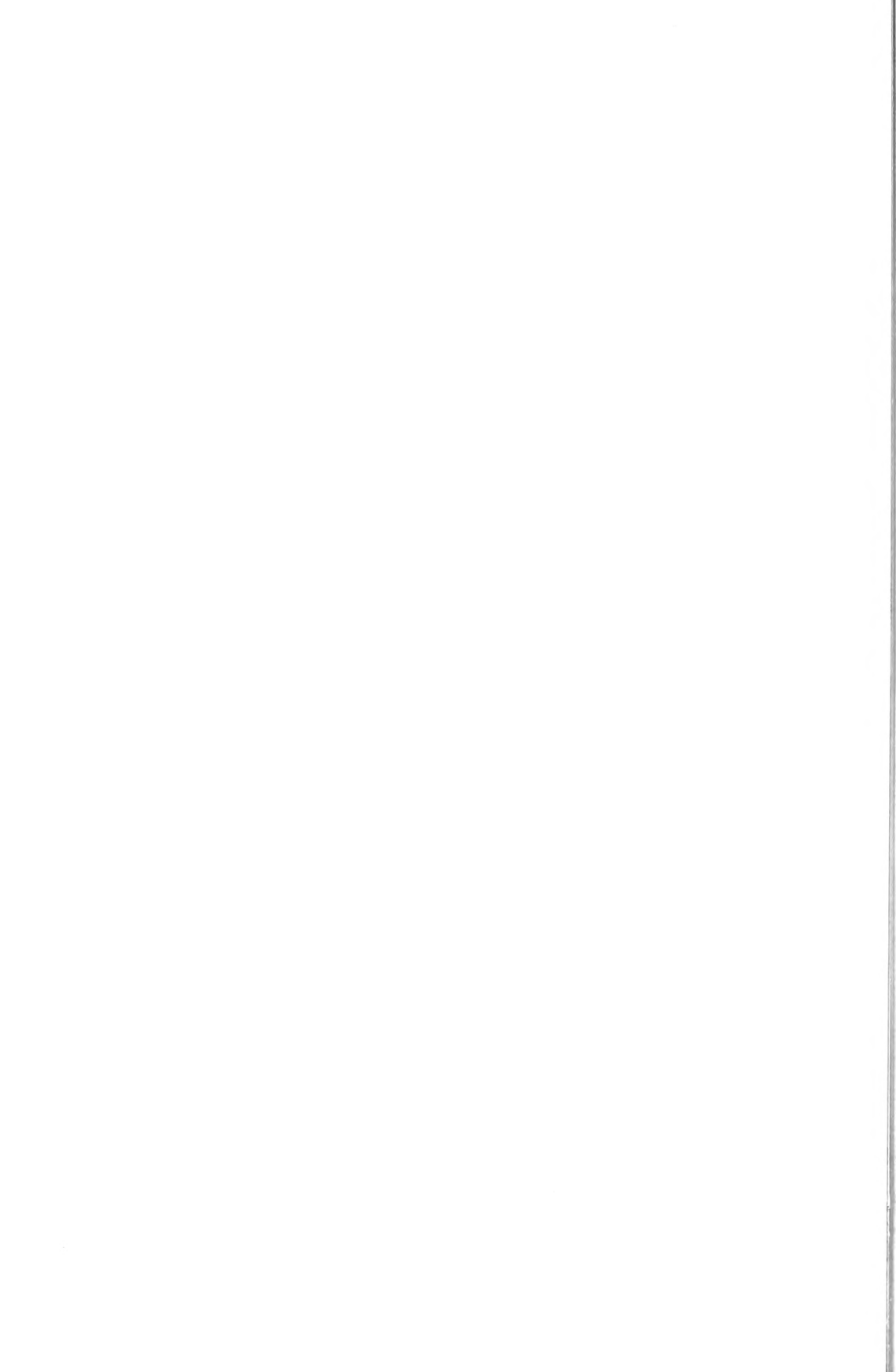
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Daphne Gail Fautin and Barbara E. Weitbrecht

INTRODUCTION

A general catalog of type-specimens held by the Department of Invertebrate Zoology, California Academy of Sciences (CAS) was published in 1966 (Stasek 1966a). This was supplemented by catalogs of solenogasters (Stasek 1966b), cephalopods (Smith 1974) and ostracods (Cohen and Chivers 1976). The CAS Department of Geology published catalogs of its type and voucher holdings of Recent and fossil cephalopods (Zullo and Hertlein 1970), echinoderms (Zullo and Hertlein 1972) and brachiopods (Roth 1972).

Much material has been acquired by the Department of Invertebrate Zoology (CAS-IZ) since these catalogs were published, through normal collection growth, transfer of Recent specimens from the Department of Geology and acquisition of type collections from other institutions, notably the University of California at Berkeley, and Stanford University and its Hopkins Marine Station. A catalog (Smith 1978) of the Stanford University paleontology type collection, which contained some Recent specimens, was compiled before the material was transferred to CAS in 1977.

All invertebrate type-specimens in CAS-IZ, except dry mollusks, have been recurated within the past three years. As part of recuration, the practice of having two series of catalog numbers, one for type-specimens and one for non-types, was abandoned, necessitating assignment of new catalog numbers to all type lots (Dunn 1981).

Due to the large volume of material and the importance of making lists of holdings available to the scientific community (International Code of Zoological Nomenclature Recommendation 72D), three type catalogs are being issued by CAS-IZ. That on asteroids, which also includes non-type material cited by W. K. Fisher in his monographs on the group, has recently been published (Chaffee and Weitbrecht 1984). Publication of the mollusk volume is anticipated within a year, when the dry type-specimens have been completely recurated. National Science Foundation grant DEB 79-08522 assisted with the preparation of the first two volumes, and grant DEB 81-21511 is supporting the malacological section.

This catalog, containing 492 specimen lots representing 316 species in 14 phyla, is arranged in systematic order. Phylum, class and order sequences follow those in *Synopsis and Classification of Living Organisms* (Parker 1982). All lower taxa are arrayed alphabetically. In case of multiple lots of the same species, primary types are listed before secondary types. Within a category, order is by catalog number.

Species are listed by the name under which they were described, followed by author and date. Beneath each name is the citation of the original description. Below that are listed all type-specimens of the taxon held by CAS-IZ. Remarks about the specimen lot, such as preservative and the number of specimens, are enclosed in parentheses after the catalog number. Other catalog numbers by which the lot may have been identified in previous publications follow in parentheses. Abbreviations used with these numbers are: **G**—CAS Geology catalog number; **GTY**—CAS Geology type series number; **IZ**—CAS Invertebrate Zoology type series number; **PMS**—University of the Pacific, Pacific Marine Station catalog number; **SSB**—S. S. Berry catalog number; **SU**—Stanford University catalog number; **UC**—University of California, Berkeley, catalog number. The last line in each entry is the general collection locality.

Our heartfelt thanks go to Sheri Dunklau for the hours she spent at the word processor in the interests of this project, and to Phoebe Grigg for all the type sheets she completed. Jeanne Lynch also made important contributions to completion of the catalog.

CATALOG

Subkingdom PROTOZOA

Phylum SARCOMASTIGOPHORA

Class Granuloreticulosa

Order FORAMINIFERIDA

Family Discorbidae

*Discorbis hanna*e Church, 1968

Proc. Calif. Acad. Sci., ser. 4, 30(17): 371

Holotype: 036407 (1, dry) (GTY13034)

off Cape San Lucas, Baja California Sur, Mexico

Discorbis laquei Church, 1952

Proc. Calif. Acad. Sci., ser. 4, 30(17): 375

Holotype: 036410 (1, dry) (GTY9517)
 Mendocino Co., California
 Paratypes: 036411 (2, dry) (GTY9518-9519)
 Mendocino Co., California
 Paratypes: 036412 (3, dry) (GTY9520-9523)
 Anacapa Island, California

Rosalina natlandi Church, 1968

Proc. Calif. Acad. Sci., ser. 4, 30(17): 373
 Holotype: 036408 (1, dry) (GTY13035)
 off Cape San Lucas, Baja California Sur, Mexico

Family Elphidiidae

Elphidium concinnum Nicol, 1944

J. Paleontol. 18(2): 179
 Paratype: 036401 (1, dry) (GTY8382)
 San Quentin, Baja California, Mexico

Elphidium excubitor Nicol, 1944

J. Paleontol. 18(2): 178
 Paratype: 036400 (1, dry) (GTY8381)
 Punta Peñasco, Sonora, Mexico

Elphidium fax fax Nicol, 1944

J. Paleontol. 18(2): 177
 Paratype: 036398 (1, dry) (GTY8378)
 Dallas Bank, Straits of Juan de Fuca, Washington

Elphidium fax pingue Nicol, 1944

J. Paleontol. 18(2): 177
 Paratype: 036399 (1, dry) (GTY8379)
 Monterey Bay, California

Elphidium hannai Cushman and Grant, 1927

Trans. San Diego Soc. Nat. Hist. 5(6): 77
 Holotype: 036406 (1, dry) (GTY2808)
 off Farallon Islands, California

Family Nodosariidae

Fronicularia gigas Church, 1929

J. Paleontol. 3(3): 303
 Holotype: 036402 (1, dry) (GTY4700)
 Santa Catalina Island, California
 Paratypes: 036403 (3, dry) (GTY4701-4703)
 Santa Catalina Island, California

Robulus strongi Church, 1929

J. Paleontol. 3(3): 305
 Holotype: 036404 (1, dry) (GTY4704)
 Santa Catalina Island, California
 Paratypes: 036405 (4, dry) (GTY4705-4708)
 Santa Catalina Island, California

Phylum MICROSPORA

Class Microsporea

Order MICROSPORIDA
 Family Glugeidae

Glugea heraldi Blasiola, 1979a

J. Fish Dis. 2: 494
 Holotype: 021391 (1, micro slide) (IZ715)
 Florida, on *Hippocampus erectus*.

Subkingdom PARAZOA

Phylum PORIFERA

Class Demospongiae

Order CHORIDITIDA
 Family Sollasellidae

Axinomimus tuscarus Ristau, 1978

Proc. Biol. Soc. Wash. 91(3): 569-589

Holotype: 046520 (1 piece, 95% EtOH)
 Carmel, California

Paratype: 046518 (several pieces, 95% EtOH)
 Carmel, California

Order HAPLOSCLERIDA
 Family Adocidae

Adocia dubia Ristau, 1978

Proc. Biol. Soc. Wash. 91(3): 569-589
 Paratype: 046524 (1 piece, 95% EtOH)
 Sonoma County, California
 Paratype: 046525 (several pieces, 95% EtOH)
 Sonoma County, California

Toxadocia zumi Ristau, 1978

Proc. Biol. Soc. Wash. 91(3): 569-589
 Paratype: 046522 (2 pieces, 95% EtOH)
 Carmel, California

Family Haliclionidae

Xestospongia trindanea Ristau, 1978

Proc. Biol. Soc. Wash. 91(3): 569-589
 Holotype: 046521 (many pieces, 95% EtOH)
 Sonoma County, California

Order HALICHONDRIDA
 Family Halichondriidae

Leucophloeus actites Ristau, 1978

Proc. Biol. Soc. Wash. 91(3): 569-589
 Paratype: 046523 (3 pieces, 95% EtOH)
 Sonoma County, California

Class Calcarea

Order CLATHRINIDA
 Family Clathrinidae

Artemisia archegona Ristau, 1978

Proc. Biol. Soc. Wash. 91(3): 569-589
 Holotype: 046519 (1 piece, 95% EtOH)
 Carmel, California

Subkingdom EUMETAZOA

Phylum CNIDARIA

Class Scyphozoa

Order STERNAEOSTOMIAE
 Family Pelagiidae

Chrysaora gilberti Kishinouye, 1899

Zool. Anz. 22: 44
 Syntype: 018826 (1, 10% formalin) (IZ162)
 Monterey Bay, California

Class Hydrozoa

Order HYDROIDA
 Family Bougainvillidae

?*Bimeria pusilla* Fraser, 1925

Univ. Calif. Publ. Zool. 28(7): 168
 Syntype: 021799 (broken, 10% formalin) (IZ114)
 San Francisco Bay, California

?*Bimeria tenella* Fraser, 1925

Univ. Calif. Publ. Zool. 28(7): 168
 Syntype: 021800 (broken, 10% formalin) (IZ115)
 San Francisco Bay, California

Family Campanulariidae

?Campanularia castellata Fraser, 1925

Univ. Calif. Publ. Zool. 28(7): 170

Syntype: 021801 (broken, 10% formalin) (IZ116)

San Francisco Bay, California

Campanularia eloisae Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 943

Syntype: 018684 (1 colony, 75% EtOH) (IZ165)

Maui Island, Hawaii

Family Campanulinidae

Stegopoma gilberti Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 943

Syntype: 018692 (4 stalks, 75% EtOH) (IZ166)

Maui Island, Hawaii

Stegopoma plumicola Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 944

Syntype: 018685 (1 colony, 75% EtOH) (IZ167)

Laysan Island, Leeward Islands, Hawaii

Family Clavidae

Coryndendrium minor Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 941

Syntype: 018683 (1 colony, 75% EtOH) (IZ164)

Maui Island, Hawaii

Family Corynidae

?Coryne corrugata Fraser, 1925

Univ. Calif. Publ. Zool. 28(7): 167

Syntype: 021798 (broken, 10% formalin) (IZ113)

San Diego County, California

Family Lafoeidae

Cryptolaria symmetrica Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 947

Syntype: 018691 (1 colony, 75% EtOH) (IZ168)

Hawaiian Islands

Lafoea adnata Fraser, 1925

Univ. Calif. Publ. Zool. 28(7): 171

Syntype: 021802 (several branches, 10% formalin) (IZ117)

Farallon Islands, California

Family Pandeidae

Hydrodendrium gorgonooides Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 936

Syntype: 019511 (1 branch, 75% EtOH) (IZ163)

near Kauai, Hawaii

Family Plumulariidae

Aglaophenia calycifera Bale, 1914b

Biol. Res. "Endeavor" 1909-14 2(4): 178

Paratype: 014525 (2 fragments, 75% EtOH)

Great Australian Bight, Australia

Aglaophenia carinifera Bale, 1914b

Biol. Res. "Endeavor" 1909-14 2(4): 181

Paratype: 014439 (1 fragment, side branches broken, 75% EtOH)

Great Australian Bight, Australia

Aglaophenia megalocarpa Bale, 1914a

Biol. Res. "Endeavor" 1909-14 2(1): 45

Paratype: 014511 (1 branch, 75% EtOH)

Great Australian Bight, Australia

Antennella complexa Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 952

Syntype: 018687 (2 segments, 75% EtOH) (IZ170)

Pailolo Channel, Maui, Hawaii

Antennularia verticillata Fraser, 1925

Univ. Calif. Publ. Zool. 28(7): 171

Syntype: 021803 (small pieces, 10% formalin) (IZ118)

off Hecata Head, Oregon

Halicornaria flava Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 955

Syntype: 018690 (2 segments, 75% EtOH) (IZ173)

Laysan Island, Leeward Islands, Hawaii

Halicornaria sinuosa Fraser, 1925

Univ. Calif. Publ. Zool. 28(7): 171

Syntype: 021804 (numerous pieces, 10% formalin) (IZ119)

Florida

Lytocarpus hawaiiensis Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 954

Syntypes: 018689 (3 colonies, 75% EtOH) (IZ171)

Molokai, Hawaii

Lytocarpus similis Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 955

Syntype: 018688 (2 segments, 75% EtOH) (IZ172)

vicinity of Kauai, Hawaii

Monostaechas fisheri Nutting, 1905

Bull. U. S. Fish Comm. 23(3) (for 1903): 952

Syntype: 018686 (several strands, 75% EtOH) (IZ169)

Laysan Island, Leeward Islands, Hawaii

Family Sertulariidae

Sertularella halecina Torrey, 1902

Univ. Calif. Publ. Zool. 1: 61

Syntype: 022000 (part of colony, 75% EtOH) (IZ126)

San Diego Bay, California

Order STYLASTERINA

Family Stylasteridae

Allopora brochi Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 517

Syntype: 028183 (1 piece, fragment of type retained by Fisher; dry)

Semisopochnoi Island, Alaska

Allopora campyleca Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 505

Syntype: 028297 (8 medium-small fragments plus many smaller fragments of type colony retained by Fisher; dry)

Aleutian Islands, Alaska

Allopora campyleca paragea Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 507

Paratype: 028299 (1 large, 4 small, many fragments, dry)

Alaska

Allopora campyleca trachystoma Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 510

Paratype: 028296 (1 fragment, dry)

Attu Island, Alaska

Allopora moseleyana Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 512

Syntype: 028300 (2, dry)

near Agattu Island, Alaska

Allopora petrograpta Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 530

Paratype: 028184 (2 small fragments, dry)

Alexander Archipelago, Alaska

Allopora polyorchis Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 503

Syntype: 028298 (2 small pieces, many fragments, dry)
off Atka Island, Alaska*Cryptohelia gigantea* Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 535

Syntype: 029129 (3 small fragments of type colony retained
by Fisher; dry)

off Isla Santa Cruz, Galapagos Islands

Errinopora zarhyncha Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 539

Paratype: 028186 (2 pieces, dry)
off Atka Island, Alaska*Stylaster cancellatus* Fisher, 1938

Proc. U. S. Nat. Mus. 84(3024): 502

Paratype: 028302 (1, dry)
off Atka Island, Alaska*Stylaster (Allopora) norvegicus* forma *pacifica* Broch, 1936

Skr. Norske Videnskaps-Akad. 1. Mat.-Nat. Kl. 8: 52

Syntype: 028181 (3 fragments of colony; dry)
Sea of Okhotsk, USSR*Stylaster scabiosa* Broch, 1935

Issled. Mor. SSSR 22: 58

Paratype: 028295 (4 fragments, dry)
Sea of Okhotsk, USSR*Stylaster tenuis* Verrill, 1864

Bull. Mus. Comp. Zool. Harvard 1: 45

Syntype: 029622 (fragments, dry)
Upolu Island, Western Samoa

Class Anthozoa

Order GORGONACEA

Family Chrysogorgiidae

Iridogorgia bella Nutting, 1908

Proc. U. S. Nat. Mus. 34: 580

Paratype: 021663 (1 branch, 75% EtOH) (IZ159)
Kauai, Hawaii

Family Paramuriceidae

Paramuricea hawaiiensis Nutting, 1908

Proc. U. S. Nat. Mus. 34: 580

Paratype: 021662 (broken branches, 75% EtOH)
Kauai, Hawaii

Family Primnoidae

Stenella helminthophora Nutting, 1908

Proc. U. S. Nat. Mus. 34: 575

Paratype: 008522 (portion of colony, 75% EtOH) (IZ158)
French Frigate Shoal, Hawaii

Order ALCYONACEA

Family Alcyonidae

Cladiella steineri Verseveldt, 1982

Zool. Meded. 56(12): 145

Holotype: 030117 (1 colony, 75% EtOH)
Gulf of Thailand*Siphonogorgia lobata* Verseveldt, 1982

Zool. Meded. 56(12): 149

Holotype: 030118 (1, 75% EtOH)
Taiwan

Order PENNATULACEA

Family Pennatulidae

Pennatula sanguinea Nutting, 1908

Proc. U. S. Nat. Mus. 34: 557

Paratype: 003672 (1 branch, 75% EtOH) (IZ157)
Oahu, Hawaii

Order ACTINIARIA

Family Actiniidae

Anthopleura handi Dunn, 1978

Wasmann J. Biol. 35(1): 54

Holotype: 015674 (half longitudinally bisected animal, 10%
formalin; 5 micro. slides) (IZ692)
Selangor, West MalaysiaParatype: 015675 (half longitudinally bisected animal, 10%
formalin; 4 micro. slides) (IZ693)
Selangor, West MalaysiaParatype: 015676 (half longitudinally bisected animal, 10%
formalin; 3 micro. slides) (IZ694)
Selangor, West MalaysiaParatype: 015677 (half longitudinally bisected animal, 10%
formalin; 4 micro. slides) (IZ695)
Selangor, West Malaysia*Aulactinia incubans* Dunn, Chia and Levine, 1980

Can. J. Zool. 58(11): 207

Holotype: 015670 (female, half longitudinally bisected animal,
10% formalin; 3 micro. slides)
San Juan Island, WashingtonParatype: 015671 (hermaphrodite, half longitudinally bisected
animal, 10% formalin; 2 micro. slides)
San Juan Island, WashingtonParatype: 015672 (female, half longitudinally bisected animal,
10% formalin; 3 micro. slides)
San Juan Island, WashingtonParatype: 015673 (1, 10% formalin)
San Juan Island, Washington*Bolocera paucicornis* Dunn, 1983b

Antarctic Res. Ser. 39(1): 18

Paratypes: 014248 (2, 75% EtOH; 4 micro slides)
South Shetland Islands, AntarcticaParatype: 014249 (1, 75% EtOH; 4 micro slides)
South Sandwich Islands, Atlantic OceanParatype: 029662 (1, 75% EtOH)
McMurdo Sound, AntarcticaParatype: 029663 (1, 75% EtOH)
McMurdo Sound, AntarcticaParatypes: 029664 (3, 75% EtOH)
west of Antarctic Peninsula

Family Bathypheiliidae

Bathypheilia australis Dunn, 1983b

Antarctic Res. Ser. 39(1): 34

Paratype: 017958 (1, 75% EtOH; 6 micro slides)
Drake Passage, off tip of South AmericaParatype: 029636 (1, 75% EtOH)
Drake Passage, off tip of South AmericaParatype: 029637 (1, 75% EtOH)
Amundsen Sea, Antarctica

Family Hormathiidae

Paraphelliactis pabista Dunn, 1983a

Sysis 15: 51

Paratypes: 025999 (2, 75% EtOH; 9 micro slides)

Queen Charlotte Islands, British Columbia, Canada

Paratypes: 026000 (2, 75% EtOH; 4 micro slides)

Queen Charlotte Islands, British Columbia, Canada

Paratype: 028040 (1, 75% EtOH)

Queen Charlotte Islands, British Columbia, Canada

Paratype: 028043 (1, 75% EtOH)

Vancouver Island, British Columbia, Canada

Family Isanthidae

Eltaninactis infundibulum Dunn, 1983b

Antarctic Res. Ser. 39(1): 56

Paratypes: 005997 (10, 75% EtOH; 23 micro. slides)

South Shetland Islands, Antarctica

Paratype: 009750 (1, 75% EtOH; 4 micro. slides)

South Shetland Islands, Antarctica

Order CORALLIMORPHARIA

Family Actinodiscidae

Amplexidiscus fenestrafer Dunn and Hamner, 1980

Micronesica 16(1): 31

Holotype: 015553 (1, 10% formalin) (IZ708)

Lizard Island, Great Barrier Reef, Australia

Paratype: 015554 (1, 10% formalin) (IZ709)

Palau Island, Caroline Islands

Order SCLERACTINIA

Family Agariciidae

Cyathoceras quaylei Durham, 1947

Mem. Geol. Soc. Amer. 20: 32

Paratype: 036396 (1, dry) (SU7954)

off Point Sur, California

Family Dendrophylliidae

Balanophyllia cedroensis Durham, 1947

Geol. Soc. Amer. Mem. 20: 40

Holotype: 029961 (1, dry) (GTU7844)

near Cedros Island, Baja California, Mexico

Dendrophyllia californica Durham, 1947

Geol. Soc. Amer. Mem. 20: 37

Holotype: 029960 (1, dry) (GTU7858)

Baja California, Mexico

Endopachys vaughani Durham, 1947

Geol. Soc. Amer. Mem. 20: 39

Holotype: 029970 (1, dry) (GTU7839)

San Jose del Cabo Bay, Baja California, Mexico

Paratype: 029971 (1 large, 2 small, dry) (GTU7840-7842)

San Jose del Cabo Bay, Baja California, Mexico

Family Flabellidae

Flabellum(?) montereyense Durham, 1947

Geol. Soc. Amer. Mem. 20: 37

Paratype: 029966 (1, dry) (GTU7852)

off San Nicolas Island, California

Family Fungiidae

Cycloseris mexicana Durham, 1947

Geol. Soc. Amer. Mem. 20: 24

Paratype: 029965 (1, dry) (GTU7783; incorrectly published as G7782)

San Evaristo Bay, Baja California, Mexico

Paratype: 036395 (4, dry) (SU7554)

Amortajada Bay, Gulf of California, Mexico

Family Pocilloporidae

Pocillopora palmata Palmer, 1928

Proc. Amer. Phil. Soc. 67(1): 31

Syntype: 036393 (fragment, dry) (SU7556)

Puerto Angel, Oaxaca, Mexico

Family Rhizangiidae

Astrangia browni Palmer, 1928

Proc. Amer. Phil. Soc. 67(1): 27

Paratype: 036392 (fragment, dry) (SU7553)

off Puerto Angel, Oaxaca, Mexico

Astrangia (Astrangia) caboensis Durham, 1947

Geol. Soc. Amer. Mem. 20: 26

Holotype: 029959 (1, dry) (GTU7843)

San Jose del Cabo Bay, Baja California, Mexico

Astrangia (Astrangia) lajollanensis Durham, 1947

Geol. Soc. Amer. Mem. 20: 28

Paratype: 029964 (1, dry) (GTU29964)

Ensenada, Baja California, Mexico

Astrangia (Astrangia) tangolaensis Durham, 1947

Geol. Soc. Amer. Mem. 20: 30

Holotype: 029968 (1, dry) (GTU7838)

Tangola Tangola Bay, Oaxaca, Mexico

Phylum PLATYHELMINTHES

Class Turbellaria

Order ACOELA

Family Convolutidae

Polychoerus carmelensis Costello and Costello, 1938

Ann. Mag. Nat. Hist., ser. 11, 1(1): 149

Paratypes: 025095 (13, 75% EtOH)

Monterey County, California

Order NEORHABDOCOELA

Family Umagillidae

Syndisyrix franciscanus Lehman, 1946

Biol. Bull. 91(3): 296

Paratypes: 018829 (162, 75% EtOH) (IZ161)

Pacific Grove, California

Order POLYCLADIDA

Family Euryleptidae

Eurylepta aurantiaca Heath and McGregor, 1912

Proc. Acad. Nat. Sci. Phila. 64: 481

Designated in Hyman, L.H. (1953) Bull. Amer. Mus. Nat.

Hist. 100(2): 372

Lectotype: 021870 (1, micro. slide) (IZ234)

Carmel, California

Stylostomum sanjuaniana Holleman, 1972

Proc. Biol. Soc. Wash. 85(34): 409

Paratype: 019424 (1, micro. slide)

San Juan Island, Washington

Family Leptoplaniidae

Copidoplana tripyla Hyman, 1953

Bull. Amer. Mus. Nat. Hist. 100(2): 339

Holotype: 021625 (1, micro. slide) (IZ235, SU5640)

Monterey Bay, California

Diplandros singularis Hyman, 1953

Bull. Amer. Mus. Nat. Hist. 100(2): 341

Holotype: 021626 (1, 3 micro. slides) (IZ236, SU5639)

La Jolla, California

Leptoplana acticola Boone, 1929

Ann. Mag. Nat. Hist., ser. 10, 3: 38

Holotype: 021619 (1, 4 micro. slides) (IZ237)

Monterey Bay, California

Paratypes: 021620 (2, 2 micro. slides) (IZ238, 239)

Monterey Bay, California

Leptoplana saxicola Heath and McGregor, 1912

Proc. Acad. Nat. Sci. Phila. 64: 467

Designated in Hyman, L. H. (1953) Bull. Amer. Mus. Nat. Hist. 100(2): 319

Lectotype: 021867 (1, 3 micro. slides) (IZ240, SU5641)

Monterey Bay, California

Leptoplana sciophila Boone, 1929

Ann. Mag. Nat. Hist., ser. 10, 3: 40

Holotype: 021621 (1, 2 micro. slides) (IZ241)

San Diego County, California

Paratypes: 021622 (2, 2 micro. slides) (IZ242, 243)

San Diego County, California

Phylloplana chloranota Boone, 1929

Ann. Mag. Nat. Hist., ser. 10, 3: 43

Holotype: 021623 (1, micro. slide) (IZ244)

Monterey Bay, California

Phylloplana litoricola Heath and McGregor, 1912

Proc. Acad. Nat. Sci. Phila. 64: 472

Designated in Hyman, L. H. (1953) Bull. Amer. Mus. Nat. Hist. 100(2): 336

Lectotype: 021868 (1, micro. slide) (IZ245, SU5627)

Monterey Bay, California

Paralectotypes: 021869 (4, 4 micro. slides) (IZ246-249)

Monterey Bay, California

Stylochoplana heathi Boone, 1929

Ann. Mag. Nat. Hist., ser. 10, 3: 35

Holotype: 021618 (1, micro. slide) (IZ250)

Monterey Bay, California

Family Pericelidae

Pericelis hymanae Poulter, 1974*Biology of the Turbellaria*: 95

Paratypes: 024013 (2, 75% EtOH)

Oahu, Hawaii

Paratype: 024014 (1, 75% EtOH)

Oahu, Hawaii

Paratype: 024015 (1, 75% EtOH)

Oahu, Hawaii

Paratype: 024016 (1, 75% EtOH)

Oahu, Hawaii

Paratypes: 024017 (3, 75% EtOH)

Oahu, Hawaii

Family Planoceridae

Planocera californica Heath and McGregor, 1912

Proc. Acad. Nat. Sci. Phila. 64: 459

Designated in Hyman, L. H. (1953) Bull. Amer. Mus. Nat. Hist. 100(2): 347

Lectotype: 021865 (1, micro. slide) (IZ251, SU5632)

Monterey Bay, California

Planocera sandiegensis Boone, 1929

Ann. Mag. Nat. Hist., ser. 10, 3: 3

Holotype: 021616 (1, micro. slide) (IZ253)

San Diego County, California

Paratypes: 021617 (2, 2 micro. slides) (IZ254, 255)

San Diego County, California

Family Prosthostomidae

Prosthostomum (Lurymare) katoi Poulter, 1975

Pac. Sci. 29(4): 323

Paratype: 002350 (1, 75% EtOH)

Oahu Island, Hawaii

Phylum ANNELIDA

Class Polychaeta

Order PHYLLODOCIDA

Family Phyllodocidae

Phyllodoce hartmanae Blake and Walton, 1977*Essays on polychaetous annelids in memory of Dr. Olga Hartman*: 308

Paratype: 019428 (1, 75% EtOH)

Gulf of the Farallones, California

Paratype: 019430 (1, 75% EtOH)

Gulf of the Farallones, California

Paratype: 019431 (1, 75% EtOH)

Gulf of the Farallones, California

Phyllodoce medipapillata Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 237

Holotype: 001038 (1, 75% EtOH) (IZ53)

vicinity of Monterey Bay, California

Family Polynoidae

Harmothoe adventor Skogsberg, 1928

Ann. Mag. Nat. Hist., ser. 10, 1: 213

Holotype: 024049 (1, 75% EtOH) (IZ682, GTY6858)

Monterey Bay, California

Tenonia kitsapensis Nichols, 1969

Proc. Biol. Soc. Wash. 82: 205

Paratypes: 024208 (6, 75% EtOH)

Port Madison, Washington

Paratypes: 024209 (3, 75% EtOH)

Port Madison, Washington

Paratypes: 024210 (9, 75% EtOH)

Port Madison, Washington

Paratype: 024211 (1, 75% EtOH)

Port Washington, Washington

Paratypes: 024212 (2, 75% EtOH)

Port Madison, Washington

Paratypes: 024213 (4, 75% EtOH)

Port Madison, Washington

Paratypes: 024214 (2, 75% EtOH)

Port Madison, Washington

Paratypes: 024215 (2, 75% EtOH)

Port Madison, Washington

Paratype: 024216 (1, 75% EtOH)

Seattle, Washington

Paratype: 024217 (1, 75% EtOH)

Port Madison, Washington

Paratypes: 024218 (3, 75% EtOH)

Port Madison, Washington

Paratypes: 024220 (13, 75% EtOH)
Port Madison, Washington

Family Syllidae

Syllides minutus Blake and Walton, 1977

Essays on polychaetous annelids in memory of Dr. Olga Hartman: 311

Paratype: 019429 (1, 75% EtOH)
Gulf of the Farallones, California

Trypanosyllis intermedia Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 236
Holotype: 020550 (1, 75% EtOH) (IZ48, SU5522)
Monterey Bay, California

Typosyllis farallonensis Blake and Walton, 1977

Essays on polychaetous annelids in memory of Dr. Olga Hartman: 310

Holotype: 019427 (1, 75% EtOH)
Gulf of the Farallones, California
Paratype: 019425 (1, 75% EtOH)
Gulf of the Farallones, California
Paratype: 019426 (1, 75% EtOH)
Gulf of the Farallones, California

Order AMPHINOMIDA

Family Euprosinidae

Euprosyne bicirrata Moore, 1905

Proc. Acad. Nat. Sci. Phila. 57: 532
Syntype: 020705 (1, 75% EtOH)
Bowen Island, British Columbia

Order EUNICIDA

Family Arabellidae

Drilonereis nuda Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 254
Holotype: 020371 (1, 75% EtOH) (IZ56, SU5530)
Monterey Bay, California
Paratypes: 020361 (3, 75% EtOH) (IZ77, SU5584)
Monterey Bay, California

Family Dorvilleidae

Stauronereis moniloceras Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 256
Holotype: 020552 (1, 75% EtOH) (IZ54, SU5509)
Point Pinos, California
Paratypes: 020553 (2 in pieces, 75% EtOH)
Monterey Bay, California

Family Eunicidae

Eunice biannulata Moore, 1904

Proc. Acad. Nat. Sci. Phila. 56: 487
Holotype: 019712 (1, 75% EtOH) (IZ35, SU5511)
San Diego, California

Eunice interrupta Treadwell, 1906

U.S. Fish Comm. Bull. 23(3) (for 1903): 1167
Paratype: 018795 (1 fragmented, 75% EtOH) (IZ74, SU5501)
Laysan Island, Leeward Islands, Hawaii

Eunice (Eriphyle) patolooides Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 246
Holotype: 020554 (1, 75% EtOH) (IZ58, SU5519)
San Diego, California

Marphysa californica Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 251

Holotype: 020357 (1, 75% EtOH) (IZ37, SU5518)
San Diego, California

Marphysa stylobranchiata Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 249
Holotype: 019723 (1, 75% EtOH) (IZ64, SU5529)
Point Pinos, California
Paratypes: 019722 (3, 75% EtOH) (IZ78, SU5583)
Point Pinos, California

Family Lumbrineridae

Lumbriconereis erecta Moore, 1904

Proc. Acad. Nat. Sci. Phila. 56: 490
Holotype: 019713 (1, 75% EtOH) (IZ45, SU5503)
San Diego, California
Paratypes: 019711 (3, 75% EtOH) (IZ72, SU5578)
San Diego, California

Family Onuphidae

Diopatra californica Moore, 1904

Proc. Acad. Nat. Sci. Phila. 56: 484
Holotype: 019703 (1, 75% EtOH) (IZ36, SU5521)
San Diego, California
Paratype: 020548 (1, 75% EtOH) (SU5552)
San Diego, California

Order ORBINIIDA

Family Orbinidae

Aricia johnsoni Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 260
Holotype: 020564 (1, 75% EtOH) (IZ49, SU5527)
Moss Beach, Monterey County, California

Naineris longa Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 264
Holotype: 019715 (1, 75% EtOH) (IZ51, SU5528)
Point Pinos, California
Paratype: 020557 (1, 75% EtOH) (SU5585)
San Diego, California
Paratypes: 020558 (6, 75% EtOH) (IZ75, SU5595)
Monterey Bay, California
Paratype: 020559 (1, 75% EtOH)
Point Pinos, California
Paratypes: 020563 (3, 75% EtOH)
Monterey Bay, California

Naineris robusta Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 262
Holotype: 019716 (1, 75% EtOH) (IZ59, SU5557)
San Diego, California
Paratypes: 019717 (2, 75% EtOH) (IZ60, SU5558)
San Diego, California
Paratype: 020565 (1, 75% EtOH) (IZ61, SU5596)
Point Pinos, California

Order SPIONIDA

Family Spionidae

Aurospio dibranchiata Maciolek, 1981

Proc. Biol. Soc. Wash. 94(1): 230
Paratypes: 015962 (10, 75% EtOH)
Argentine Basin, South Atlantic Ocean

Carazziella calafia Blake, 1979

Proc. Biol. Soc. Wash. 92(3): 471
Paratypes: 024058 (2, 75% EtOH) (IZ711)
Monterey Bay, California

- Paratypes: 024058 (2, 75% EtOH) (IZ711)
Monterey Bay, California
- Paratypes: 024059 (5, 75% EtOH) (IZ713)
Monterey Bay, California
- Paratype: 024060 (1, 75% EtOH) (IZ712)
Monterey Bay, California
- Paratype: 024061 (1, 75% EtOH) (IZ714)
Monterey Bay, California
- Polydora allopors* Light, 1970b
Proc. Calif. Acad. Sci., ser. 4, 37(14): 460
Holotype: 018812 (1, 75% EtOH) (IZ381)
"The Pinnacles," Monterey County, California
- Paratype: 018813 (1, 75% EtOH) (IZ382)
"The Pinnacles," Monterey County, California
- Paratypes: 018814 (10+, 75% EtOH) (IZ383)
"The Pinnacles," Monterey County, California
- Paratype: 018815 (1, 75% EtOH) (IZ384)
Carmel, California
- Paratype: 018816 (1, 75% EtOH) (IZ385)
"The Pinnacles," Monterey County, California
- Paratypes: 018817 (10+, 75% EtOH) (IZ386)
Point Lobos, California
- Paratype: 018818 (1, 75% EtOH) (IZ387)
Point Lobos, California
- Polydora brachycephala* Hartman, 1936
Univ. Calif. Publ. Zool. 41(6): 48
Paratypes: 019432 (2, 75% EtOH) (IZ680)
Marin County, California
- Paratype: 019433 (1, 75% EtOH) (IZ566)
Marin County, California
- Polydora narica* Light, 1969
Proc. Calif. Acad. Sci., ser. 4, 36(18): 532
Holotype: 018819 (1, 75% EtOH) (IZ380)
Monterey County, California
- Polydora wabberi* Light, 1970a
Bull. So. Calif. Acad. Sci. 69(2): 74
Holotype: 018693 (1, 75% EtOH) (IZ304)
Gulf of California, Mexico
- Pseudopolydora gibbsi* Light, 1974
Proc. Biol. Soc. Wash. 87(34): 389
Paratype: 019354 (1, slide mount of anterior end) (IZ676)
Guadalcanal, Solomon Islands
- Paratype: 019355 (1, slide mount of anterior end) (IZ677)
Guadalcanal, Solomon Islands
- Paratype: 019356 (1, slide mount of posterior end) (IZ678)
Guadalcanal, Solomon Islands
- Pseudopolydora kempii californica* Light, 1969
Proc. Calif. Acad. Sci., ser. 4, 36(18): 542
Holotype: 018820 (1, 75% EtOH) (IZ377)
Bollinas Lagoon, California
- Paratype: 018821 (1, 75% EtOH, 4 micro. slides) (IZ378)
Bollinas Lagoon, California
- Paratype: 018822 (1, 75% EtOH) (IZ379)
Bollinas Lagoon, California
- Order CIRRATULIDA
Family Cirratulidae
- Cirratulus luxuriosus* Moore, 1904
Proc. Acad. Nat. Sci. Phila. 56: 493
Holotype: 019708 (1, 75% EtOH) (IZ52, SU5506)
San Diego, California
- Paratype: 019709 (1, 75% EtOH) (IZ76, SU5546)
San Diego, California
- Cirratulus spirabranchnus* Moore, 1904
Proc. Acad. Nat. Sci. Phila. 56: 492
Holotype: 019706 (1, 75% EtOH) (IZ63, SU5505)
San Diego, California
- Paratypes: 019714 (4, 75% EtOH) (IZ226)
San Diego, California
- Tharyx multifilis* Moore, 1909
Proc. Acad. Nat. Sci. Phila. 61: 267
Holotype: 020709 (1, 75% EtOH) (IZ55, SU5502)
San Diego, California
- Order FLABELLIGERIDA
Family Flabelligeridae
- Brada pilosa* Moore, 1906
Proc. Acad. Nat. Sci. Phila. 58: 231
Paratype: 020712 (1, 75% EtOH)
Funter Bay, Alexander Archipelago, Alaska
- Flabelligera commensalis* Moore, 1909
Proc. Acad. Nat. Sci. Phila. 61: 286
Holotype: 020706 (1, 75% EtOH) (IZ41, SU5524)
Monterey Bay, California
- Paratype: 020707 (1, 75% EtOH) (IZ42, SU5525)
Monterey Bay, California
- Trophonia capulata* Moore, 1909
Proc. Acad. Nat. Sci. Phila. 61: 284
Holotype: 019721 (1, 75% EtOH) (IZ40, SU5514)
San Diego Bay, California
- Order OPHELIDIDA
Family Scalibregmidae
- Sclerocheilus pacificus* Moore, 1909
Proc. Acad. Nat. Sci. Phila. 61: 282
Holotype: 020713 (1, 75% EtOH) (IZ57, SU5526)
Third Beach Point, Monterey County, California
- Order CAPITELLIDA
Family Capitellidae
- Dasybranchus glabrus* Moore, 1909
Proc. Acad. Nat. Sci. Phila. 61: 280
Holotype: 020380 (1, 75% EtOH) (IZ46, SU5512)
San Diego Bay, California
- Eunotomastus gordiodes* Moore, 1909
Proc. Acad. Nat. Sci. Phila. 61: 278
Holotype: 019720 (1, 75% EtOH) (IZ47, SU5513)
San Diego, California
- Paratype: 019719 (1, 75% EtOH) (IZ73, SU5517)
San Diego, California
- Notomastus tenuis* Moore, 1909
Proc. Acad. Nat. Sci. Phila. 61: 277
Holotype: 019718 (1, 75% EtOH) (IZ65, SU5508)
San Diego, California
- Family Maldanidae
- Maldane coronata* Moore, 1903
Proc. Acad. Nat. Sci. Phila. 55: 483
Paratype: 016318 (1, 75% EtOH) (SU5606)
Manazuru Zaki, Honshu, Japan
- Maldane disparidentata* Moore, 1904
Proc. Acad. Nat. Sci. Phila. 56: 494
Syntype: 019707 (1, 75% EtOH) (IZ43, SU5504)
San Diego, California

Order TEREBELLIDA

Family Terebellidae

Pista (Scionopsis) alata Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 273

Holotype: 020708 (1, 75% EtOH) (IZ50, SU5507)

San Diego, California

Pista elongata Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 270

Holotype: 020379 (1, 75% EtOH) (IZ44, SU5520)

San Diego, California

Paratypes: 020715 (4, 75% EtOH) (IZ71, SU5533)

San Diego, California

Polycirrus californicus Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 276

Holotype: 005272 (1, 75% EtOH) (IZ39, SU5515)

San Diego, California

Terebella (Schmardanella) californica Moore, 1904

Proc. Acad. Nat. Sci. Phila. 56: 496

Holotype: 019704 (1, 75% EtOH) (IZ38, SU5510)

San Diego, California

Paratypes: 019705 (8, 75% EtOH) (IZ70, SU5539)

San Diego, California

Order SABELLIDA

Family Sabellidae

Distylia rugosa Moore, 1904

Proc. Acad. Nat. Sci. Phila. 56: 499

Holotype: 019710 (1, 75% EtOH) (IZ62, SU5516)

San Diego, California

Paratype: 020555 (1, 75% EtOH)

San Diego, California

Family Serpulidae

Protula superba Moore, 1909

Proc. Acad. Nat. Sci. Phila. 61: 290

Paratype: 020556 (1, 75% EtOH) (SU5541)

vicinity Monterey Bay, California

Order PROTODRILIDA

Family Saccocirridae

Saccocirrus sonomacus Martin, 1977

Trans. Amer. Microsc. Soc. 96(1): 98

Paratypes: 019344 (5 male, 5 female, 75% EtOH)

Sonoma County, California

Class Oligochaeta

Order HAPLOTAXIDA

Family Megascolecidae

Plutellus blacki MacNab and McKey-Fender, 1952

Wasmann J. Biol. 10(3): 347

Holotype: 019515 (1, 75% EtOH) (IZ10)

Marion County, Oregon

Plutellus davisii MacNab and McKey-Fender, 1952

Wasmann J. Biol. 10(3): 344

Holotype: 018181 (1, 75% EtOH) (IZ11)

near Brookings, Oregon

Family Octochaetidae

Ramiellona balantina Gates, 1962

Proc. Calif. Acad. Sci., ser. 4, 31(8): 202

Syntypes: 018636 (1 entire, 2 sectioned, 75% EtOH) (IZ67)

near Totonicapan, Guatemala

Ramiellona guatemalana Gates, 1962

Proc. Calif. Acad. Sci., ser. 4, 31(8): 195

Syntypes: 018635 (32 in pieces and whole, 75% EtOH)

(IZ66)

near Totonicapan, Guatemala

Ramiellona mexicana Gates, 1962

Proc. Calif. Acad. Sci., ser. 4, 31(8): 209

Syntypes: 018638 (1 whole, 1 cut, piece of body wall, 75% EtOH) (IZ69)

Dos Rios, Tehuantepec, Mexico

Ramiellona strigosa Gates, 1962

Proc. Calif. Acad. Sci., ser. 4, 21(8): 206

Syntypes: 018637 (1 whole, 6 pieces, 75% EtOH) (IZ68)

near Totonicapan, Guatemala

Phylum ECHIURA

Order ECHIUROINEA

Family Bonelliidae

Bonelliopsis alaskana Fisher, 1946

Proc. U. S. Nat. Mus. 96: 252

Paratype: 024612 (1, 75% EtOH)

Unalaska Island, Alaska

Family Echiuridae

Arhynchite inamoenus Fisher, 1946

Proc. U. S. Nat. Mus. 96: 247

Paratypes: 024550 (2, 75% EtOH)

Monterey Bay, California

Ochetostoma octomyotum Fisher, 1946

Proc. U. S. Nat. Mus. 96: 240

Paratypes: 024561 (4, 75% EtOH)

Newport Bay, California

Paratypes: 024564 (2, 75% EtOH)

Newport Bay, California

Order XENOPNEUSTA

Family Urechidae

Listriolobus pelodes Fisher, 1946

Proc. U. S. Nat. Mus. 96: 234

Paratypes: 024546 (6, 75% EtOH)

Monterey Bay and Newport Bay, California (mixed lot)

Paratypes: 024547 (3, 75% EtOH)

Monterey Bay, California

Paratypes: 024548 (31, 75% EtOH)

off Balboa, California

Phylum SIPUNCULA

Family Golfingiidae

Dendrostomum dyscritum Fisher, 1952

Proc. U. S. Nat. Mus. 102(3306): 417

Paratypes: 024153 (2, 75% EtOH)

Monterey Bay, California

Dendrostomum schmitti Fisher, 1952

Proc. U. S. Nat. Mus. 102(3306): 422

Paratypes: 024152 (8, 75% EtOH)

Independencia Bay, Peru

Family Sipunculidae

Siphonomecus ingens Fisher, 1947

Proc. U. S. Nat. Mus. 97(3218): 365

Paratypes: 024221 (8, 75% EtOH)

Morro Bay, California

Paratype: 024222 (1 juvenile, 75% EtOH)
Elkhorn Slough, California

Siphonosoma parvum Fischer, 1928

Zool. Anz. 76(3/6): 141

Paratypes: 024615 (2, 75% EtOH) (USNM97507)
Jaluit Island (?), Marshall Islands

Phylum ARTHROPODA

Class Pycnogonida

Family Nymphonidae

Nymphon heterodenticulatum Hedgpeth, 1941

Amer. Midl. Nat. 25(2): 447

Holotype: 018477 (1 female, 75% EtOH) (IZ151, SU3215)
Santa Catalina Island, California

Paratype: 018478 (1 female, 75% EtOH) (IZ81, SU3216)
Santa Catalina Island, California

Family Pallenidae

Pallene pacifica Hedgpeth, 1939

Amer. Midl. Nat. 22(2): 460

Holotype: 018633 (1 female, 75% EtOH) (IZ79, SU3211)
San Luis Obispo County, California

Paratype: 018634 (1 female, 75% EtOH) (IZ80, SU3212)
San Luis Obispo County, California

Class Crustacea

Subclass Ostracoda

Order PODOCOPINA

Family Cytherideidae

Cythereis aurita Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 120

Holotype: 021885 (1 male, 4 micro. slides) (IZ357)
Pacific Grove, California

Paratype: 021886 (1 male, micro. slide) (IZ358)
Monterey Bay, California

Cythereis discophora Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 83

Holotype: 021887 (1 female, 4 micro. slides) (IZ342)
Port Louis, Falkland Islands

Paratype: 021888 (1 male, micro. slide) (IZ344)
Port Louis, Falkland Islands

Paratype: 021889 (1 female, micro. slide) (IZ343)
Port Louis, Falkland Islands

Cythereis ephippiata Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 100

Holotype: 021890 (1 male, 3 micro. slides) (IZ350)
Port Louis, Falkland Islands

Paratype: 021891 (1 male, micro. slide) (IZ351)
Port Louis, Falkland Islands

Cythereis falcata Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 137

Holotype: 021892 (1, 3 micro. slides) (IZ360)
South Georgia Island

Cythereis frequens Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 95

Holotype: 021893 (1 male, 4 micro. slides) (IZ348)
South Georgia Island

Paratype: 021894 (1 female, micro. slide) (IZ349)
South Georgia Island

Cythereis glauca Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 110

Holotype: 021895 (1 male, 3 micro. slides) (IZ354)
Carmel Bay, California

Paratype: 021896 (1 female, micro. slide) (IZ355)

Carmel Bay, California

Cythereis igandersoni Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 24

Holotype: 021897 (1 female, 4 micro. slides) (IZ327)
Tierra del Fuego, Chile

Cythereis longiductus Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 78

Holotype: 021898 (1 male, 3 micro. slides) (IZ340)
South Georgia Island

Paratype: 021899 (1 male, 2 micro. slides) (IZ341)

South Georgia Island

Paratype: 025885 (1 male, dry)

South Georgia Island

Cythereis megalodiscus Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 90

Holotype: 021900 (1 male, 2 micro. slides) (IZ347)
South Georgia Island

Cythereis mesodiscus Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 87

Holotype: 021901 (1 male, 4 micro. slides) (IZ345)
Puerto Madryn, Argentina

Paratype: 021902 (1 male, micro. slide) (IZ346)
Tierra del Fuego, Chile

Cythereis montereyensis Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 56

Holotype: 021903 (1 male, 3 micro. slides) (IZ332)
Carmel Bay, California

Paratype: 021904 (1 female, 1 micro. slide) (IZ333)
Carmel Bay, California

Cythereis pacifica Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 68

Holotype: 021905 (1 male, 4 micro. slides) (IZ334)
Monterey Bay, California

Paratype: 021906 (1 male, micro. slide) (IZ335)
Carmel Bay, California

Cythereis platycapa Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 116

Holotype: 021907 (1 male, 5 micro. slides) (IZ356)
Monterey Bay, California

Cythereis polita Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 35

Holotype: 021908 (1 male, 4 micro. slides) (IZ331)
Tierra del Fuego, Chile

Cythereis radiata Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 30

Holotype: 021909 (1 male, 4 micro. slides) (IZ329)
Magellan Straits, Chile

Paratype: 021910 (1 female on slide with holotype) (IZ330)
Magellan Straits, Chile

Cythereis recurvirostra Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 108

Holotype: 021911 (1 male, 3 micro. slides) (IZ353)
Burdwood Bank, Falkland Islands

Cythereis robusta Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 27

Holotype: 021912 (1 female, 2 micro. slides) (IZ328)
South Georgia Island

Cythereis spinifera Skogsberg, 1928

Occ. Pap. Calif. Acad. Sci. 15: 130

Holotype: 021913 (1 male, micro. slide) (IZ359)
South Georgia Island

- Paratype: 024229 (1 male, micro. slide) (IZ359)
South Georgia Island
- Cythereis taeniata* Skogsberg, 1928
Occ. Pap. Calif. Acad. Sci. 15: 72
Holotype: 021914 (1 male, 4 micro. slides) (IZ336)
Port Louis, Falkland Islands
Paratypes: 021915 (2, 2 micro. slides) (IZ337-338)
Port Louis, Falkland Islands
- Cythereis taeniata deliciosa* Skogsberg, 1928
Occ. Pap. Calif. Acad. Sci. 15: 77
Holotype: 021916 (1 female, 4 micro. slides) (IZ339)
Puerto Harris, Tierra del Fuego, Chile
- Cythereis theeli* Skogsberg, 1928
Occ. Pap. Calif. Acad. Sci. 15: 106
Holotype: 021917 (1 male, 4 micro. slides) (IZ352)
Puerto Madryn, Argentina
- Cythereis torquata* Skogsberg, 1928
Occ. Pap. Calif. Acad. Sci. 15: 19
Holotype: 021918 (1 male, micro. slide) (IZ324)
Puerto Condor, Tierra del Fuego, Chile
Paratype: 021919 (1 female, micro. slide) (IZ326)
Puerto Condor, Tierra del Fuego, Chile
Paratype: 021920 (1 female, micro. slide) (IZ325)
Tierra del Fuego, Chile
- Subclass Copepoda**
Order CALANOIDA
Family Megacalanidae
- Bathycalanus sverdrupi* Johnson, 1958
Proc. Calif. Acad. Sci., ser. 4, 29(6): 258
Paratype: 018473 (1 female, 75% EtOH) (G34987, IZ008)
near Marshall Islands
- Order CALIGOIDA
Family Caligidae
- Lepeophtheirus insignis* Wilson, 1908
Proc. U. S. Nat. Mus. 35: 444
Syntypes: 024489 (6, 75% EtOH)
San Diego County, California, from *Mola mola*
- Family Lernaeceridae
- Serpentisaccus magnifica* Blasiola, 1979b
J. Parasit. 65(4): 662
Holotype: 019343 (1, micro. slide) (IZ707)
Cebu, Philippine Islands, on *Nemateleotris magnifica*
- Order LERNAEOPODOIDA
Family Lernaepodidae
- Lernaepoda gibber* Wilson, 1908
Proc. U. S. Nat. Mus. 35: 469
Syntypes: 024491 (5, 75% EtOH)
Attu Island, Alaska
- Subclass Cirripedia**
Order ACROTHORACICA
Family Cryptophyalidae
- Cryptophyalus coronatus* Tomlinson, 1960
Bull. J. F. A. N. 22A(2): 402
Paratypes: 019636 (6-8, 75% EtOH)
Goree Island, Senegal, in *Thais neritoides*
Paratype: 020202 (1, micro. slide) (G12336)
Goree Island, Senegal, in *Halions tuberculata*
- Cryptophyalus epaeris* Tomlinson, 1973
Wasmann J. Biol. 31(2): 283
Paratypes: 019730 (3, 75% EtOH)
Tikahau Atoll, Tuamotu Archipelago, in *Turbo setosus*
- Cryptophyalus heterodontus* Tomlinson, 1969
Bull. U. S. Nat. Mus. 296: 90
Paratype: 018680 (1, 75% EtOH)
Heron Island, Australia, in *Tridacna maxima*
- Cryptophyalus newmani* Tomlinson, 1969
Bull. U. S. Nat. Mus. 296: 104
Paratype: 018681 (1, 75% EtOH)
Wake Island, in *Turbo lajonkairi*
- Cryptophyalus rossi* Tomlinson, 1973
Wasmann J. Biol. 31(2): 272
Paratypes: 019728 (10 +, 75% EtOH)
Bikini Atoll, Marshall Islands, in *Turbo setosus*
- Cryptophyalus unguiculus* Tomlinson, 1969
Bull. U. S. Nat. Mus. 296: 112
Paratype: 018682 (1, 75% EtOH)
Necker Island, Line Islands, in *Thais aperta*
- Cryptophyalus wainwrighti* Tomlinson, 1969
Bull. U. S. Nat. Mus. 296: 97
Holotype: 018679 (1 female, with 3 males, 70% EtOH with 5% glycerine)
Soldado Bay, Sonora, Mexico, in *Thais triseriatis*
Paratypes: 029132 (several, 75% EtOH)
Mazatlan, Mexico, in *Thais haemostoma*
- Cryptophyalus zulloi* Tomlinson, 1973
Wasmann J. Biol. 31(2): 280
Paratypes: 019729 (6 (? +), 75% EtOH)
Tikahau Atoll, Tuamotu Archipelago, in *Turbo setosus*
- Family Lithoglyptidae
- Berndtia nodosa* Tomlinson, 1967
Bull. Nat. Mus. Singapore 33(15): 101
Paratype: 019634 (1, 75% EtOH) (IZ269)
?Singapore, in *Psammocora contigua*
Paratype: 019635 (1, 75% EtOH) (IZ270)
?Singapore, in *Psammocora contigua*
- Berndtia purpurea* Utinomi, 1950
Mem. Coll. Sci., Univ. Kyoto, ser. B, 19(3): 87
Paratypes: 029833 (2, dry) (GTY10558)
Tanabe Bay, Honshu, Japan, in *Leptastrea purpurea*
- Kochlorine ulula* Tomlinson, 1973
Wasmann J. Biol. 31(2): 266
Paratypes: 019727 (2, 75% EtOH)
Namonuito Atoll, Caroline Islands
- Lithoglyptes hirsutus* Tomlinson, 1963
Pac. Sci. 17(3): 299
Paratype: 028319 (1, micro. slide) (GTY12537)
Kaneohe Bay, Oahu, Hawaii, in *Porites compressa*
- Lithoglyptes mitis* Tomlinson, 1969
Bull. U. S. Nat. Mus. 296: 52
Paratypes: 029133 (about 10, 75% EtOH)
Necker Island, Leeward Islands, in *Thais aperta*
- Lithoglyptes spinatus* Tomlinson and Newman, 1960
Proc. U. S. Nat. Mus. 112(3445): 519
Paratype: 020203 (1, micro. slide) (GTY12337)
Salt Gut, Jamaica
- Weltneria aapta* Tomlinson, 1969
Bull. U. S. Nat. Mus. 296: 44
Paratype: 019726 (1, 75% EtOH) (IZ361)
Port Macquarie, New South Wales, Australia, from *Berysma waitii*

Weltneria reticulata Tomlinson, 1969

Bull. U. S. Nat. Mus. 296: 39

Paratypes: 019725 (3, 75% EtOH)

Heron Island, Australia, in *Tridacna maxima*

Family Trypetesidae

Trypetesa lateralis Tomlinson, 1953

J. Wash. Acad. Sci. 43(11): 374

Paratype: 020201 (1, micro. slide) (GTY9857)

Point Arena, California, in *Tegula*

Order ASCOTHORACICA

Family Dendrogasteridae

Dendrogaster arbusculus Fisher, 1911

Bull. U. S. Nat. Mus. 76: 404

Holotype: 013159 (3 vials, 75% EtOH; 5 micro. slides) (IZ1132)

Santa Cruz Island, California

Dendrogaster arctica Korschelt, 1933

Zool. Jahrb. Abt. Syst. 64: 32

Syntypes: 032074 (broken female and male, 75% EtOH; female, 1 micro. slide)

Bering Sea, from *Leptasterias groenlandica**Dendrogaster punctatus* Grygier, 1982

Proc. Calif. Acad. Sci. 42(18): 443

Paratypes: 018895 (1 male, many female and larvae, 75% EtOH; 4 micro. slides)

Pt. Pinos Lt. House, California, from *Poraniopsis inflata*

Order THORACICA

Family Balanidae

Balanus amphitrite franciscanus Rogers, 1949

J. Ent. Zool. 41(2): 29

Holotype: 029825 (1, dissected, dry) (GTY9440)

San Francisco, California

Paratypes: 029826 (2, dry) (GTY9441-9442)

San Francisco Bay, California

Balanus amphitrite herzi Rogers, 1949

J. Ent. Zool. 41(2): 28

Holotype: 029827 (1, dissected, dry) (GTY9443)

San Francisco Bay, California

Balanus amphitrite saltonensis Rogers, 1949

J. Ent. Zool. 41(2): 25

Holotype: 029828 (1, dissected, dry) (GTY9438)

Salton Sea, California

Paratype: 029829 (1, dissected, dry) (GTY9439)

Salton Sea, California

Balanus (Hexacreusia) durhami Zullo, 1961

Veliger 4(2): 71

Paratype: 029824 (1, micro. slide) (GTY12372)

Puertecitos, Baja California

Balanus panamensis Rogers, 1948

Bull. So. Calif. Acad. Sci. 47(3): 95

Holotype: 029059 (1, dry) (GTY9434)

Panama, Pacific coast

Paratype: 029060 (1 disarticulated, dry) (GTY9436)

Panama, Pacific Coast

Paratype: 029061 (1, dry) (GTY9435)

Panama, Pacific Coast

Paratype: 029062 (1, dry) (GTY9437)

Panama, Pacific Coast

Balanus tintinnulum clippertonensis Zullo, 1969

Proc. Calif. Acad. Sci., ser. 4, 36(16): 501

Paratypes: 029823 (2, dry; 2 micro. slides) (GTY13153-13154)

Clipperton Island

Subclass Malacostraca

Superorder PERACARIDA

Order TANAIDACEA

Family Apsedeutidae

Synapseudes intumescens Menzies, 1949

Proc. U. S. Nat. Mus. 99(3251): 510

Paratypes: 017630 (11 male, 19 female, 75% EtOH) (PMS1216)

Tomales Point, California

Paratype: 017636 (1 female juvenile, 75% EtOH) (PMS1209)

Tomales Point, California

Family Tanaidae

Tanais stanfordi Richardson, 1901

Proc. Wash. Acad. Sci. 3: 565

Paratypes: 021786 (20+, 75% EtOH) (IZ89)

Clipperton Island

Order ISOPODA

Family Anthuridae

Colanthur squamosissima Menzies, 1951a

Proc. U. S. Nat. Mus. 101(3273): 114

Paratypes: 016820 (2 male, 4 female, 1 juvenile, 75% EtOH) (PMS1243)

Tomales Bay, California

Cyathura munda Menzies, 1951a

Proc. U. S. Nat. Mus. 101(3273): 111

Paratypes: 016612 (2 female, 75% EtOH) (PMS1250)

Tomales Point, California

Paranthura elegans Menzies, 1951a

Proc. U. S. Nat. Mus. 101(3273): 106

Paratype: 016811 (1 female, 75% EtOH) (PMS1244)

Tomales Point, California

Paratype: 016812 (1 female, 75% EtOH) (PMS1245)

Moss Beach, San Mateo County, California

Paratypes: 016813 (1 male, 2 juvenile, 75% EtOH)

(PMS1246)

Tomales Point, California

Paratypes: 016814 (1 male, 1 female, 75% EtOH) (PMS1247)

Tomales Point, California

Paratype: 016815 (1 juvenile, 75% EtOH) (PMS1248)

Tomales Point, California

Family Antiasidae

Antias hirsutus Menzies, 1951a

Proc. U. S. Nat. Mus. 101(3273): 143

Paratypes: 017694 (2 male, 1 female part, 75% EtOH) (PMS1219)

Tomales Bay, California

Family Idoteidae

Erichsonella filiformis isabelensis Menzies, 1951b

Proc. U. S. Nat. Mus. 101(3289): 576

Paratypes: 017002 (2 female, 75% EtOH) (PMS1282)

Port Aransas, Texas

Paratype: 017003 (1 female, 75% EtOH) (PMS1281)

Port Aransas, Texas

Paratype: 017004 (1 female, 75% EtOH) (PMS1220)

Port Isabel, Texas

Synidotea media Iverson, 1972

Proc. Biol. Soc. Wash. 85(47): 542

Holotype: 019340 (1 female, 75% EtOH) (IZ563)

Monterey County, California

Paratype: 019341 (1, 75% EtOH) (IZ564)

Monterey County, California

Paratype: 019342 (1, 75% EtOH) (IZ565)

Monterey County, California

Family Jaeropsidae

Jaeropsis dubia Menzies, 1951a

Proc. U. S. Nat. Mus. 101(3273): 147

Paratype: 017193 (1 female, 75% EtOH) (PMS1229)

Dillon Beach, Marin County, California

Paratypes: 017194 (2 male, 75% EtOH) (PMS1230)

Dillon Beach, Marin County, California

Paratypes: 017195 (2 male, 2 female, 75% EtOH) (PMS1231)

Dillon Beach, Marin County, California

Paratypes: 017196 (4 female, 1 male, 75% EtOH) (PMS1232)

Dillon Beach, Marin County, California

Paratype: 017197 (1 male, 75% EtOH) (PMS1233)

Dillon Beach, Marin County, California

Paratype: 017198 (1 male, 75% EtOH) (PMS1234)

Duxbury Reef, Marin County, California

Paratypes: 017199 (1 female, 1 male, 75% EtOH) (PMS1235)

Tomales Point, California

Paratypes: 017200 (2 female, 75% EtOH) (PMS1236)

Tomales Point, California

Paratype: 017201 (1 female, 75% EtOH) (PMS1237)

Tomales Point, California

Paratype: 017202 (1, 75% EtOH) (PMS1238)

Tomales Point, California

Paratypes: 017203 (1 female, 1 male, 75% EtOH) (PMS1239)

Tomales Point, California

Jaeropsis dubia paucispinis Menzies, 1951a

Proc. U. S. Nat. Mus. 101(3273): 155

Paratype: 016808 (1 male, 75% EtOH) (PMS1241)

Tomales Point, California

Paratypes: 016809 (2 male, 75% EtOH) (PMS1242)

Tomales Point, California

Paratypes: 016810 (1 male, 1 female, 75% EtOH) (PMS1240)

Tomales Point, California

Family Janiridae

Caecianiropsis psammophila Menzies and Pettit, 1956

Proc. U. S. Nat. Mus. 106(3376): 442

Paratypes: 017656 (2 male, 1 female, 75% EtOH) (PMS1330)

Tomales Bluff, California

Ianiropsis analoga Menzies, 1952

Proc. U. S. Nat. Mus. 102(3293): 141

Paratype: 017643 (1 male, 75% EtOH) (PMS1320)

Dillon Beach, Marin County, California

Paratypes: 017644 (5 male, 1 female, 75% EtOH) (PMS1321)

Dillon Beach, Marin County, California

Paratypes: 017646 (3 male, 1 female, 75% EtOH) (PMS1322)

Tomales Point, California

Ianiropsis epilittoralis Menzies, 1952

Proc. U. S. Nat. Mus. 102(3293): 149

Paratypes: 017647 (2 female, 2 male, 2 juvenile) (PMS1324)

Dillon Beach, Marin County, California

Paratypes: 017648 (2 male, 6 female, 75% EtOH) (PMS1323)

Dillon Beach, Marin County, California

Ianiropsis montereyensis Menzies, 1952

Proc. U. S. Nat. Mus. 102(3293): 152

Paratype: 017649 (1 female, 75% EtOH) (PMS1326)

Dillon Beach, Marin County, California

Paratypes: 017650 (5 male, 6 female, 75% EtOH) (PMS1325)

Pescadero Point, Marin County, California

Ianiropsis tridens Menzies, 1952

Proc. U. S. Nat. Mus. 102(3293): 156

Paratypes: 017651 (1 male, 1 female, 75% EtOH) (PMS1327)

Moss Beach, San Mateo County, California

Paratypes: 017652 (2 male, 4 female, 75% EtOH) (PMS1328)

Asilomar, California

Paratype: 017653 (1 male, 75% EtOH) (PMS1329)

Dillon Beach, Marin County, California

Janiralata davisii Menzies, 1951a

Proc. U. S. Nat. Mus. 101(3273): 123

Paratypes: 016822 (2 female, 75% EtOH) (PMS1218)

Carmel Cove, California

Family Munnidae

Munna chromatocephala Menzies, 1952

Proc. U. S. Nat. Mus. 102(3293): 128

Paratypes: 017297 (9 juvenile, 3 female, 1 male, 75% EtOH) (PMS1299)

Dillon Beach, Marin County, California

Paratype: 017298 (1 juvenile, 75% EtOH) (PMS1301)

Dillon Beach, Marin County, California

Paratype: 017299 (1 male juvenile, 75% EtOH) (PMS1302)

Dillon Beach, Marin County, California

Munna halei Menzies, 1952

Proc. U. S. Nat. Mus. 102(3293): 132

Paratype: 017300 (1 female, 75% EtOH) (PMS1303)

Tomales Point, California

Munna ubiquita Menzies, 1952

Proc. U. S. Nat. Mus. 102(3293): 120

Paratypes: 017291 (2 male, 10 female, 75% EtOH) (PMS1283)

Tomales Bay, California

Paratype: 017292 (1, 75% EtOH) (PMS1284)

Tomales Point, California

Paratype: 017293 (1 female, 75% EtOH) (PMS1287)

Dillon Beach, Marin County, California

Paratypes: 017294 (5, 75% EtOH) (PMS1288)

Dillon Beach, Marin County, California

Paratype: 017295 (1, 75% EtOH) (PMS1289)

Bodega Bay, California

Paratype: 017296 (1 female, 75% EtOH) (PMS1290)

Bodega Harbor, California

Paramunna quadratifrons Iverson and Wilson, 1981

Proc. Biol. Soc. Wash. 93(4) (for 1980): 983

Paratype: 015902 (1 male, 75% EtOH)

Tanner Bank, Channel Islands, California

Paratype: 015903 (1 female, 75% EtOH)

Tanner Bank, Channel Islands, California

Family Scyphacidae

Armadilloniscus coronacapitalis Menzies, 1950

Proc. Calif. Acad. Sci., ser. 4, 26(13): 468

Holotype: 018800 (1 female, 75% EtOH) (GTY9502, IZ181)

Tomales Bay, California

Paratypes: 017124 (29 male, 11 female, 75% EtOH)
(PMS994-1023)

Tomales Bay, California

Paratype (Allotype): 018801 (1 male, 75% EtOH)
(GTY9502a, IZ182)

Tomales Bay, California

Paratypes: 018802 (3 male, 1 female, 75% EtOH)
(GTY9503, 9503a-c, IZ183)

Tomales Bay, California

Family Serolidae

Serolis (Serolis) menziesi Hessler, 1970

Crustaceana 18(3): 227

Paratypes: 019346 (1 female juvenile, 1 early manca, 75%
EtOH) (IZ388)

South Atlantic off Brazil

Paratypes: 019347 (1 female juvenile, 1 copulatory male, 1
male juvenile, 3 early mancas, 75% EtOH) (IZ389)

South Atlantic off Brazil

Paratypes: 019348 (1 brooding female, 1 preparatory female,
5 early mancas, 75% EtOH) (IZ390)

South Atlantic off Brazil

Paratypes: 019349 (4 copulatory male, 1 female juvenile, 1
male juvenile, 2 late manca male, 8 early mancas, 75%
EtOH) (IZ391)

South Atlantic off Brazil

Family Sphaeromatidae

Paraleptosphaeroma glynii Buss and Iverson, 1981

Postilla 184: 1-23

Paratypes: 018375 (20, 75% EtOH)

Punta Paitilla, Pacific coast, Panama

Order AMPHIPODA

Family Caprellidae

Caprella acutifrons incisa Mayer, 1903

Siboga Exped. Rpt. 34: 82

Syntypes: 021177 (25, 75% EtOH) (IZ102)

Pacific Grove, California

Caprella laeviuscula Mayer, 1903

Siboga. Exped. Rpt. 34: 109

Syntypes: 021179 (6, 75% EtOH) (IZ103)

Humboldt Bay, California

Caprella paulina Mayer, 1903

Siboga Exped. Rpt. 34: 116

Syntypes: 021180 (3, 75% EtOH) (IZ154)

St. Paul Island, Pribolot Islands

Tritella laevis Mayer, 1903

Siboga Exped. Rpt. 34: 48

Syntypes: 021176 (2 males, 75% EtOH) (IZ155)

Pacific Grove, California

Superorder EUCARIDA

Order DLCAPODA

Family Alpheidae

Betaeus macginitiae Hart, 1964

Proc. U. S. Nat. Mus. 115(3490): 451

Paratype: 014029 (1 female, 75% EtOH)

Monterey Bay, California

Betaeus setosus Hart, 1964

Proc. U. S. Nat. Mus. 115(3490): 455

Paratypes: 014042 (2 male, 75% EtOH)

Monterey Bay, California

Paratypes: 014043 (2 male, 75% EtOH)

Monterey Bay, California

Family Crangonidae

Crangon hakodatei Rathbun, 1902b

Proc. U. S. Nat. Mus. 26(1307): 42

Syntypes: 024530 (3 +, 75% EtOH)

Hokkaido, Japan

Crangon handi Kuris and Carlton, 1977

Biol. Bull. 153: 543

Paratype: 019350 (1, 75% EtOH)

Bodega Head, California

Paratype: 019351 (1, 75% EtOH)

Monterey Bay, California

Family Disciadiidae

Discias serrifer Rathbun, 1902c

Proc. Wash. Acad. Sci. 4: 290

Syntype: 021790 (1 female, 75% EtOH) (IZ84)

Isla Isabela, Galapagos Islands

Family Dromiidae

Dromidia segnipes Weymouth, 1910

Leland Stanford Jr. Univ. Publ., Univ. Ser. 4: 15

Holotype: 021159 (1 male, 75% EtOH) (IZ20, SU478)

Monterey Bay, California

Paratype: 021160 (1 female, 75% EtOH) (IZ21, SU479)

Monterey Bay, California

Family Hippolytidae

Heptacarpus pugettensis Jensen, 1983

J. Crust. Biol. 3(2): 314

Paratypes: 031126 (1 male, 3 female, 75% EtOH)

Seattle, Washington

Paratypes: 031127 (1 male, 2 female, 75% EtOH)

Seattle, Washington

Family Leucosinidae

Ebalia jordani Rathbun, 1906

Bull. U. S. Fish Comm. 23(3) (for 1903): 889

Paratype: 021781 (1 male, 75% EtOH) (IZ86)

Molokai, Hawaii

Randallia gilberti Rathbun, 1906

Bull. U. S. Fish Comm. 23(3) (for 1903): 890

Paratype: 024436 (1 male, 75% EtOH)

Molokai, Hawaii

Family Majidae

Libinia setosa Lockington, 1877

Proc. Calif. Acad. Sci. 7(5): 68

Designated by Garth (1958) in Allan Hancock Pac. Expeds.
21(4): 323

Neotype: 018840 (1 male, 75% EtOH) (IZ120)

Santa Maria Bay, Baja California

Family Ocyropsidae

Uca helleri Rathbun, 1902c

Proc. Wash. Acad. Sci. 4: 277

Syntypes: 021788 (4 male, 2 female, 75% EtOH) (IZ82, SU4501)

Isla Fernandina, Galapagos Islands

Uca thayeri Rathbun, 1900

Proc. Wash. Acad. Sci. 2: 134

Syntype: 021787 (1 male, 75% EtOH) (IZ90)

Cabadelo, Paraiba, Brazil

Family Ophiophoridae

Acanthephyra chacei Krygier and Forss, 1981

J. Crust. Biol. 1(1): 96-104

Paratype: (015935) (1 female, 75% EtOH)

north Pacific Ocean, off Oregon

Paratypes: (015936) (1 female, 75% EtOH)

north Pacific Ocean, off Oregon

Paratype: (015937) (1 male, 75% EtOH)

north Pacific Ocean, off Oregon

Family Palaemonidae

Periclimenes pusillus Rathbun, 1906

Bull. U. S. Fish Comm. 23(3) (for 1903): 921

Paratype: 021782 (1, 75% EtOH) (IZ87)

Oahu, Hawaii

Family Pandalidae

Pandalopsis aleutica Rathbun, 1902a

Proc. U. S. Nat. Mus. 24(1272): 901

Syntype: 028180 (1, dry)

Aleutian Islands, Alaska

Pandalus latirostris Rathbun, 1902b

Proc. U. S. Nat. Mus. 26(1307): 46

Syntypes: 024529 (7, 75% EtOH)

Hokkaido, Japan

Family Penaeidae

Sicyonia longicauda Rathbun, 1906

Bull. U. S. Fish Comm. 23 (3) (for 1903): 908

Paratype: 024532 (1, 75% EtOH)

Pailolo Channel, Hawaii

Family Potamidae

Pseudohelphusa sonorensis Miles, 1967

J. Ariz. Acad. Sci. 4(4): 231

Paratype: 018666 (1 male, 75% EtOH) (IZ257)

Sonora, Mexico

Paratype: 018667 (1 female, 75% EtOH) (IZ258)

Sonora, Mexico

Family Xanthidae

Carpilodes virgatus Rathbun, 1906

Bull. U. S. Fish Comm. 23 (3) (for 1903): 843

Paratype: 021783 (1, 75% EtOH) (IZ88)

Auau Channel, Hawaii

Platypodia gemmata Rathbun, 1902c

Proc. Wash. Acad. Sci. 4: 279

Syntype: 021789 (1 immature female, 75% EtOH) (IZ83)

Isla Isabela, Galapagos Islands

Xantho lacunosus Rathbun, 1906

Bull. U. S. Fish Comm. 23 (3) (for 1903): 847

Paratype: 021780 (1, 75% EtOH) (IZ85)

Auau Channel, Hawaii

Phylum TARDIGRADA

Order HETEROTARDIGRADA

Family Echiniscidae

Echiniscus cavagnaroi Schuster and Grigarick, 1966

Proc. Calif. Acad. Sci., ser. 4, 34(5): 321

Paratypes: 021631 (2, 2 micro. slides) (IZ311-312)

Isla Santa Cruz, Galapagos Islands

Echiniscus kofordi Schuster and Grigarick, 1966

Proc. Calif. Acad. Sci., ser. 4, 34(5): 321

Paratype: 021632 (1, micro. slide) (IZ313)

Isla Santa Cruz, Galapagos Islands

Pseudechiniscus goedeni Grigarick, Mihelčić, and Schuster, 1964

Proc. Biol. Soc. Wash. 77: 5

Paratypes: 021634 (3, 3 micro. slides) (IZ184-186)

Marion County, Oregon

Pseudechiniscus raneyi Grigarick, Mihelčić, and Schuster, 1964

Proc. Biol. Soc. Wash. 77: 6

Paratypes: 021635 (3, 3 micro slides) (IZ187-189)

Tulare County, California

Phylum BRYOZOA

Class Gymnolaemata

Order CHEILOSTOMATA

Family Bugulidae

Bugula californica Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 267

Syntype: 021951 (fragments, 75% EtOH) (UC14601)

Marin County, California

Syntype: 021952 (many fragments, 75% EtOH) (UC14602)

Monterey County, California

Syntype: 021953 (many fragments, 75% EtOH) (IZ271, UC14625)

Marin County, California

Bugula curvirostrata Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 272

Syntype: 021955 (fragments, 75% EtOH) (IZ272, UC14606)

off Catalina Island, California

Bugula laxa Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 275

Syntype: 021957 (fragments, 75% EtOH) (UC14610)

Puget Sound, Washington

Bugula longirostrata Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 274

Holotype: 021956 (fragments, 75% EtOH) (UC14624)

San Diego County, California

Bugula pacifica Robertson, 1900

Proc. Wash. Acad. Sci. 2: 321

Syntype: 021947 (pieces, 75% EtOH) (UC14594)

Prince William Sound, Alaska

Syntype: 021948 (pieces, 75% EtOH)

Puget Sound, Washington

Bugula pugeti Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 271

Syntype: 021954 (fragments on limpet shells, 75% EtOH)

(UC14619)

Sitka, Alaska

Stirparia californica Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 281

Syntype: 021964 (fragments, 75% EtOH) (UC14651)

San Diego, California

Stirparia ciliata Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 279

Syntype: 021958 (fragments, 75% EtOH) (UC14823)

Marin County, California

Syntype: 021959 (fragments, 75% EtOH) (UC14629)

San Francisco Bay, California

Syntype: 021960 (fragments, 75% EtOH) (UC14627)

San Francisco Bay, California

Syntype: 021961 (fragments, 75% EtOH) (UC14621)

San Francisco, California

Stirparia occidentalis Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 280

Syntype: 021962 (fragments, 75% EtOH) (UC14622)

Puget Sound, Washington

Syntype: 021963 (fragments, 75% EtOH) (UC14620)

Monterey Bay, California

Family Cellariidae

Cellaria diffusa Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 289

Syntype: 021965 (fragments, 75% EtOH) (UC14636)

San Diego, California

Syntype: 021966 (fragments, 75% EtOH) (UC14635)

San Diego, California

Syntype: 021967 (fragments, 75% EtOH) (UC14633)

San Pedro, California

Syntype: 021968 (fragments, 75% EtOH) (UC14634)

Puget Sound, Washington

Family Flustridae

Flustra lichenoides Robertson, 1900

Proc. Wash. Acad. Sci. 2: 322

Syntypes: 018827 (many colonies, 75% EtOH) (IZ266)

Puget Sound, Washington

Syntypes: 018828 (many colonies, 75% EtOH) (IZ267)

Puget Sound, Washington

Family Reteporidae

Retepora pacifica catalinensis Robertson, 1908

Univ. Calif. Publ. Zool. 4(5): 311

Syntype: 021945 (fragments, 75% EtOH) (IZ268, UC14845)

Channel Islands, California

Family Scrupocellariidae

Menipea erecta Robertson, 1900

Proc. Wash. Acad. Sci. 2: 317

Syntype: 021946 (fragments, 75% EtOH) (UC14544)

Sitka, Alaska

Menipea pribilofi Robertson, 1905

Univ. Calif. Publ. Zool. 2(5): 257

Syntype: 021949 (many fragments, 75% EtOH)

Pribilof Islands, Alaska

Syntype: 021950 (many fragments, 75% EtOH) (UC14528)

Yakutat, Alaska

Phylum BRACHIOPODA

Class Articulata

Order TEREBRATULIDA

Family Terebratulidae

Argyotheca lowei Hertlein and Grant, 1944

UCLA Publ. Math. Phys. Sci. 3: 104

Paratypes: 029807 (2, dry) (GTY7306-7307)

off Angel de la Guarda Island, Baja California, Mexico

Phylum ECHINODERMATA

Class Stellerioidea

Subclass Ophiuroidea

Order PHRYNOPHURIIDA

Family Euryalidae

Astroscchema sublaeve Lütken and Mortensen, 1899

Mem. Mus. Comp. Zool. Harvard 23(2): 187

Syntype: 021182 (1, 75% EtOH) (IZ99)

north of Isla Santa Cruz, Galapagos Islands

Order OPHIURIDA

Family Amphiuridae

Amphiodia psara Clark, 1935

Ann. Mag. Nat. Hist., ser. 10, 15: 127

Paratype: 021812 (1, 75% EtOH)

Corona del Mar, California

Amphiura diomedea Lütken and Mortensen, 1899

Mem. Mus. Comp. Zool. Harvard 23(2): 151

Syntype: 021181 (1, 75% EtOH) (IZ111)

Pacific coast of Panama

Family Ophiacanthidae

Ophiacantha eurythra Clark, 1935

Ann. Mag. Nat. Hist., ser. 10, 15: 125

Paratype: 028176 (1, dry) (G2640-2641)

Corona del Mar, California

Class Echinoidea

Order SALENIODA

Family Seleniidae

Salenia scrippsae Zullo and Allison, in Zullo, Kaar, Durham and Allison, 1964

Paleontology 7(2): 339

Paratype: 029957 (1, dry) (GTY12621)

Nasca Ridge, Pacific Ocean

Order CLYPEASTEROIDA

Family Dendrasteridae

Dendraster laevis Clark, 1948

Allan Hancock Pac. Expeds. 8(5): 312

Paratypes: 029947 (2, dry) (GTY9924-9925)

N of Santa Barbara Island, California

Dendraster mexicanus Clark, 1948

Allan Hancock Pac. Expeds. 8(5): 313

Paratype: 029950 (1, dry) (GTY9923)

Rosario Bay, Baja California, Mexico

Family Fibulariidae

Echinocyamus terminalis Grant and Hertlein, 1938

Publ. Univ. Calif. Los Angeles Math. Phys. Sci. 2: 48

Holotype: 029939 (1, dry) (GTY7168)

Guadalupe Island, Mexico

Paratypes: 029940 (3, dry) (GTY7179)

Guadalupe Island, Mexico

Family Mellitidae

Encope ecuadorensis Clark, 1948

Allan Hancock Pac. Expeds. 8(5): 333
Paratype: 029945 (1, dry) (GTY9921)
Salengo Island, Manabi, Ecuador

Encope fragilis Clark, 1948

Allan Hancock Pac. Expeds. 8(5): 335
Paratype: 029946 (1, dry) (GTY9919)
Petatlan Bay, Guerrero, Mexico

Encope irregularis Clark, 1948

Allan Hancock Pacific Expeds. 8(5): 332
Paratype: 029948 (1, dry) (GTY9922)
Octavia Bay, Choco, Colombia

Encope laevis Clark, 1948

Allan Hancock Pac. Expeds. 8(5): 327
Paratype: 029949 (1, dry) (GTY9920)
Chinandega, Pacific Coast, Nicaragua

Mellita kanakoffi Durham, 1961

Contrib. Sci. Los Angeles Co. Mus. 48: 5
Paratype: 029953 (1, dry) (GTY12368)
Piedra Blanca Bay, Guanacaste, Costa Rica

Order SPATANGOIDA

Family Asterostomatidae

Scrippsechinus fisheri Allison, Durham and Mintz, 1967

Occ. Pap. Calif. Acad. Sci. 62: 16
Paratype: 029952 (1, dry) (GTY12945)
Nasca Ridge, Pacific Ocean

Class Holothuroidea

Order DENDROCHIROTIDA

Family Cucumariidae

Cucumaria tenuicoriata Wells, 1924

Ann. Mag. Nat. Hist., ser. 9, 14: 120
Paratype: 024897 (1, 75% EtOH)
Monterey Bay, California

Sphaerothuria bitentaculata Ludwig, 1893

Zool. Anz. 16(420): 184
Syntype: 018476 (1, 75% EtOH) (IZ022)
off Panama, Pacific Ocean

Family Psolidae

Psolidium panamense Ludwig, 1894

Mem. Mus. Comp. Zool. Harvard 17(3): 17
Syntypes: 018694 (2, 75% EtOH) (IZ124)
Gulf of Panama

Psolus californicus Fisher, 1905

Zool. Anz. 29(18): 573
Holotype: 028179 (1, dry)
Monterey Bay, California

Order ASPIDOCHIROTIDA

Family Holothuriidae

Holothuria frequentiamensis Clark, 1902

Proc. Wash. Acad. Sci. 4: 530
Syntypes: 021165 (7, 75% EtOH) (IZ150)
Clipperton Island, Pacific Ocean

Holothuria hawaiiensis Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 668
Paratype: 021358 (1, 75% EtOH) (IZ397)
Auau Channel, Hawaii

Mesothuria carnosa Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 679
Paratypes: 021359 (5, 75% EtOH) (IZ402 and 259)
Kauai, Hawaii

Paratype: 021360 (1, 75% EtOH) (IZ260)

Kauai, Hawaii

Paratype: 021361 (1, 75% EtOH) (IZ261)

Kauai, Hawaii

Paratypes: 036328 (2 + , 75% EtOH)

Kauai, Hawaii

Paclopatides retifer Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 693
Paratype: 021364 (1, 75% EtOH) (IZ123)
Nihoa Island, Leeward Islands

Pseudostichopus propinquus Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 691
Paratype: 021363 (1, 75% EtOH) (IZ403)
Pailolo Channel, Hawaii

Family Stichopodidae

Stichopus tropicalis Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 676
Syntypes: 021370 (2, 75% EtOH) (IZ404)
Oahu, Hawaii

Order ELASIPODIDA

Family Deimatidae

Orphnurgus insignis Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 702
Paratype: 021365 (1, 75% EtOH) (IZ405)
Kauai, Hawaii

Paratype: 024494 (1, 75% EtOH)

Molokai, Hawaii

Paratype: 024495 (1, 75% EtOH)

Maui, Hawaii

Paratype: 024496 (1, 75% EtOH)

Kauai, Hawaii

Paratype: 024497 (1, 75% EtOH)

Kauai, Hawaii

Family Elpidiidae

Laetmogone biserialis Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 706
Paratype: 021366 (1, 75% EtOH) (IZ406)
Kauai, Hawaii

Order APODIDA

Family Chiridotidae

Chiridota hawaiiensis Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 731
Paratypes: 024498 (13, dry)
Oahu, Hawaii

Family Synaptidae

Anapta inermis Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 730
Paratypes: 021369 (2, 75% EtOH) (IZ407)
Oahu, Hawaii

Opheodesoma spectabilis Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 723
Paratypes: 024499 (3, 75% EtOH)
Oahu, Hawaii

Protankyra albatrossi Fisher, 1907

Proc. U. S. Nat. Mus. 32(1555): 728

Paratype: 021367 (1, 75% EtOH) (IZ149)

Molokai, Hawaii

Paratype: 021368 (1, 75% EtOH) (IZ409)

Molokai, Hawaii

Phylum CHORDATA
Subphylum TUNICATA

Class Ascidiacea

Order APLOUSOBRANCHIA

Family Polycitoridae

Distaplia smithi Abbott and Trason, 1968

Bull. So. Calif. Acad. Sci. 67(3): 147

Paratypes: 018794 (20+ colonies, 75% EtOH) (IZ229)

Pescadero Point, Monterey County, California

Eudistoma diaphanes Ritter and Forsyth, 1917

Univ. Calif. Publ. Zool. 16(24): 469

Syntype: 035396 (several pieces, 75% EtOH)

La Jolla, California

Eudistoma psammion Ritter and Forsyth, 1917

Univ. Calif. Publ. Zool. 16(24): 467

Syntype: 035395 (8 pieces, 75% EtOH)

La Jolla, California

Ritterella rubra Abbott and Trason, 1968

Bull. So. Calif. Acad. Sci. 67(3): 143

Paratypes: 018793 (10+ colonies, 75% EtOH) (IZ228)

Pacific Grove, California

Family Polyclinidae

Amaroucium aequalisiphonis Ritter and Forsyth, 1917

Univ. Calif. Publ. Zool. 16(24): 487

Syntype: 035397 (several pieces, 75% EtOH)

Santa Barbara, California

Order STOLIDOBRANCHIA

Family Styelidae

Dendrodoa subpunctulata Ritter, 1899

The Fur Seals and Fur-Seal Islands of the North Pacific Ocean,

III: 514

Syntypes: 018792 (14+, 75% EtOH) (IZ108)

Pribilof Islands, Alaska

Dendrodoa tuberculata Ritter, 1899

The Fur Seals and Fur-Seal Islands of the North Pacific Ocean,

III: 512

Syntypes: 035618 (31 pieces, 75% EtOH)

Pribilof Islands, Alaska

Styela barnharti Ritter and Forsyth, 1917

Univ. Calif. Publ. Zool. 16(24): 452

Holotype: 021166 (1, 75% EtOH)

San Diego Bay, California

Styela sabulifera Ritter, 1913

Proc. U. S. Nat. Mus. 45: 475

Paratypes: 034776 (17, 75% EtOH)

Bering Sea, Alaska

BALE, W. M. 1914a. Report on the Hydroida collected in the Great Australian Bight and other localities. Part I. Biol. Res. "Endeavour" 1909-14, 2(1): 3-62.

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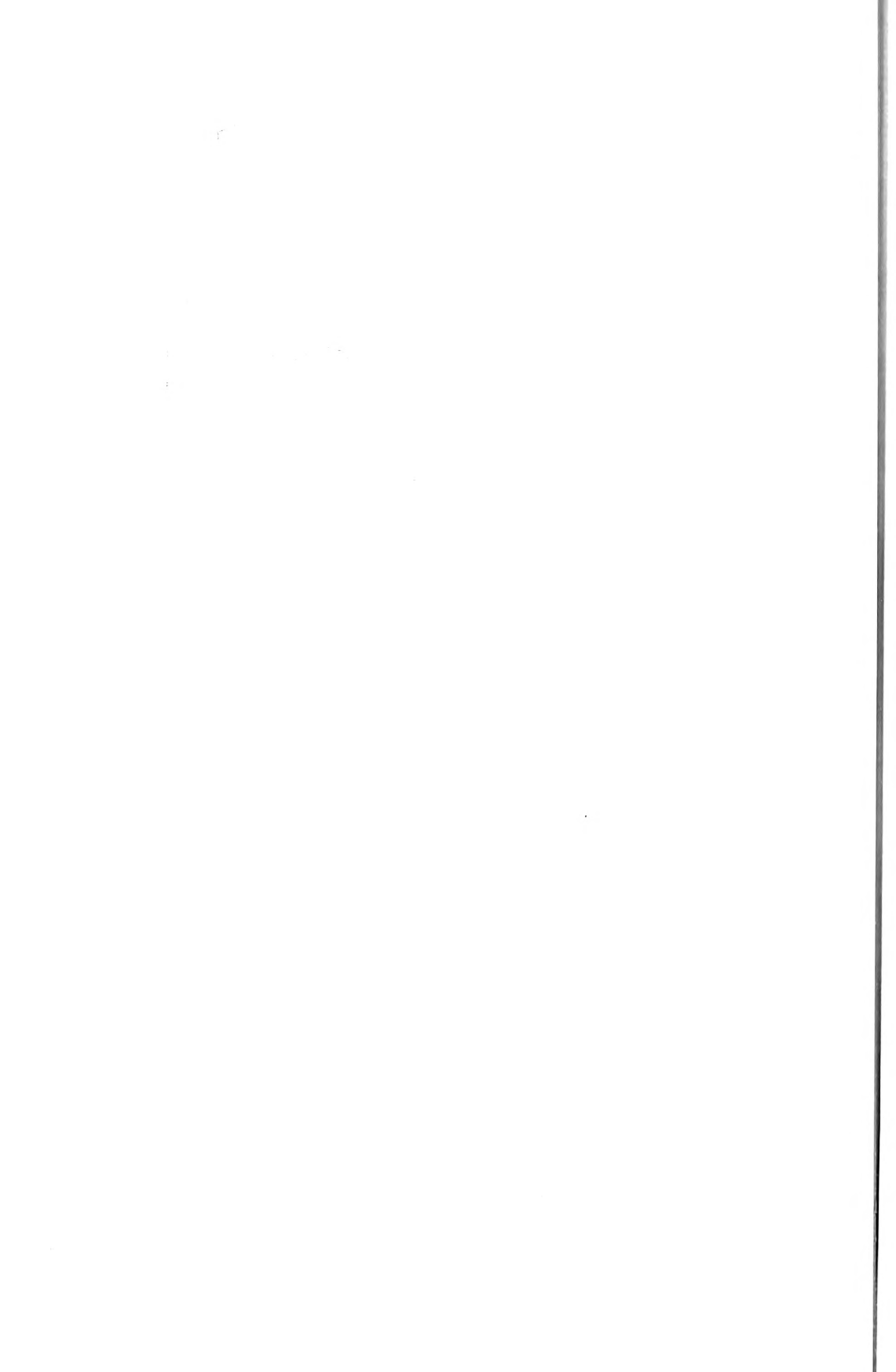
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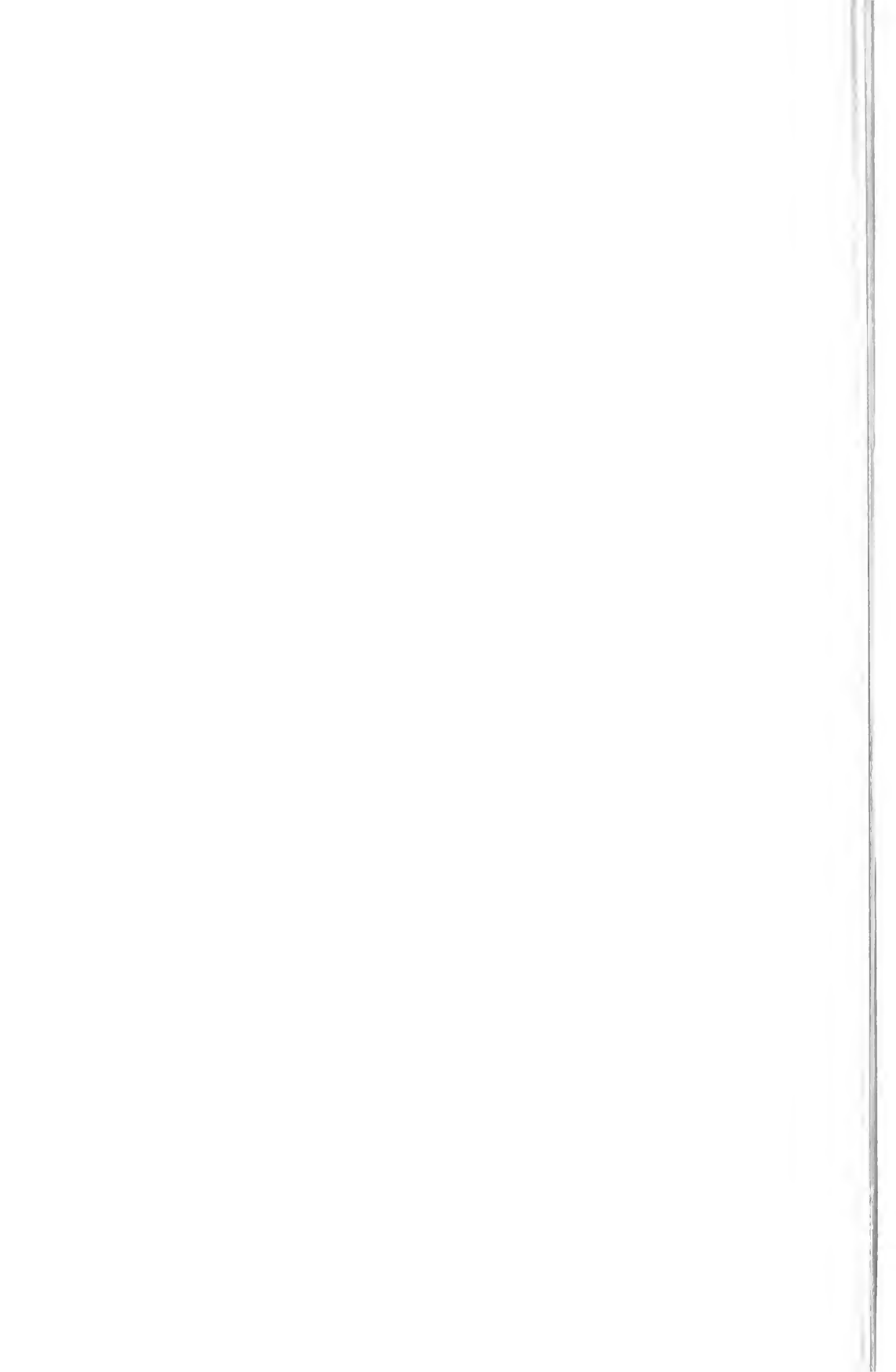
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